

# HCLSoftware

## HCL DRYiCE MyCloud

Developer Guide

Version 10.8.2



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## Document Revision History

This guide is updated with each release of the product or when necessary.

This table provides the revision history of this User Guide.

| Version Date    | Description                               |
|-----------------|-------------------------------------------|
| May, 2020       | DRYiCE MyCloud v9.2 Developer Guide       |
| August, 2020    | DRYiCE MyCloud v10.0 Developer Guide      |
| November, 2020  | DRYiCE MyCloud v10.1 Developer Guide      |
| February, 2021  | DRYiCE MyCloud v10.2 Developer Guide      |
| April, 2021     | DRYiCE MyCloud v10.4 Developer Guide      |
| October, 2021   | DRYiCE MyCloud v10.5 Developer Guide      |
| September, 2022 | DRYiCE MyCloud v10.6 Developer Guide      |
| August, 2023    | HCL_DRYiCE_MyCloud_10.7_Developer_Guide   |
| April, 2024     | HCL_DRYiCE_MyCloud_10.8_Developer_Guide   |
| September, 2024 | HCL_DRYiCE_MyCloud_10.8.1_Developer_Guide |
| February, 2025  | HCL_DRYiCE_MyCloud_10.8.2_Developer_Guide |

# 1 Preface

This section provides information about the MyCloud Developer Guide and includes the following topics:

- [Intended Audience](#)
- [About This Guide](#)
- [Related Documents](#)
- [Conventions](#)

## 1.1 Intended Audience

This document is intended for the developers responsible for the following:

- Developing service request forms
- Using APIs to consume MyCloud services.
- Defining process workflows in MyCloud

## 1.2 About this Guide

This guide provides instructions to develop UI (User Interface) forms and define process workflows. It includes the post-installation and configuration procedures for the product.

## 1.3 Related Documents

The following documents can be referenced in addition to this guide for further information on MyCloud.

- MyCloud Introduction Guide
- MyCloud Installation Guide
- MyCloud Configuration Guide - Admin Module
- MyCloud Configuration Guide - Provider Module – Part 1
- MyCloud Configuration Guide - Provider Module – Part 2
- MyCloud Troubleshooting Guide
- MyCloud User Guide
- MyCloud V3 API Guide

## 1.4 Conventions

The following typographic conventions are used in this document:

---

Table 1 – Conventions

---

| Convention         | Element                                                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------------------------------|
| Boldface           | Indicates graphical user interface elements associated with an action, or terms defined in text or the glossary            |
| Underlined blue    | Indicates cross-reference and links                                                                                        |
| Italic             | Indicates document titles, occasional emphasis, or glossary terms                                                          |
| Courier New (Font) | Indicates commands within a paragraph, URLs, code in examples, and paths including onscreen text and text input from users |
| Numbered lists     | Indicates steps in a procedure to be followed in a sequence                                                                |
| Bulleted lists     | Indicates a list of items that is not necessarily meant to be followed in a sequence                                       |

## 2 MyCloud Overview

Today, many enterprises see cloud-based applications as an effective way to optimize IT-related costs, by leveraging pay-as-you-go model. Some organizations also realized the benefits that liberalization of IT deployment and management across departments brings on the table, agility being of prime importance.

At the same time, the approach of having a decentralized, unregulated, cloud-based IT ecosystem poses new challenges around managing costs, visibility, and others. There is a need to have a hybrid cloud management platform which gives them the flexibility to manage a complex and fast-changing cloud environment.

DRYiCE MyCloud is a hybrid cloud management product that empowers organizations to optimally govern, provision, monitor, and manage cloud infrastructure. It combines data exploration and data visualization in an easy-to-use product that enables effective analysis and generates actionable insights for IaaS, PaaS resources and multi-machine blueprints. DRYiCE MyCloud's data-driven recommendations and advisories ensure continuous optimization of enterprise cloud environments across areas, including cost, performance, security, and utilization.

### 2.1 MyCloud Roles

This below table highlights the various roles that are available in MyCloud:

Table 2 - MyCloud Roles and Responsibilities

| Role               | Description                                                                                                                                                                       |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MyCloud Admin      | MyCloud Admin has the rights to manage providers, admin level jobs and other component related configurations.                                                                    |
| Provider           | Provider has the right to manage Jobs, Organizations, Approval & Process workflows, master activities and integrate subscriptions (vCenter, Hyper V, public cloud subscriptions). |
| Organization Admin | Organization Admin has the rights to manage the users, roles, and groups assigned to them (organization-specific).                                                                |
| Requester          | Requester has the rights to request for Infrastructure resources (IaaS & PaaS services), view or manage reports related to the resources.                                         |
| Approver           | Approver has the right to approve the requests raised by the requesters.                                                                                                          |

Refer to MyCloud Configuration Guide for more information about MyCloud Admin and Provider Admin.

### 2.2 MyCloud Features

- **'Self Service Catalog' based Provisioning and Auto-decommissioning:**  
Self Service Catalog based Provisioning & Auto-decommissioning– Provisioning of IaaS, PaaS, and multi-machine blueprints in a multi-cloud environment, through an intuitive self-service catalog and auto-decommissioning post a defined interval to avoid cost leakages.
- **Metering & Show back:**  
Track utilization of resources across BUs, enabling transparency and visibility.

- **Advisory & Recommendation:**  
Proactive recommendations around Cost Optimization, Fault Tolerance, Performance and Security.
- **Dynamic User interface:**  
Flexibility to customize the service request form templates to capture configuration parameters while placing provisioning requests.
- **Dynamic Process Workflows:**  
Enables automation of generic & custom tasks like installing agents, machine cloning etc. with support for parallel execution.
- **Script Library:**  
Creates new or leverage out-of-the-box scripts in process workflows across environments.
- **Forecasting & RI recommendation:**  
Enables cost optimization and resource utilization by analyzing the past usage patterns & recommending the most optimal resource types on AWS and Azure.
- **Role Based Access Control:**  
Manages user privileges based on their roles, eligibility, and policies.
- **Policy driven Orchestration:**  
Be in control of your cloud orchestration ecosystem aligned to your organizational policies.
- **Rich Integration Ecosystem:**  
Enables integration with industry leading third party tools through REST APIs and CLI.
- **Enterprise-Grade Security:**  
Ensures security of end-to-end cloud management and orchestration ecosystem through various mechanisms.

## 2.3 MyCloud Benefits

- Reduce Costs
  - Higher cost savings through Process standardization & Automation
  - Provide visibility of usage of virtual assets & cost obligations to key custodians
  - Optimize virtual asset utilization to avoid cost leakages.
- Mitigate Risks
  - Improve Performance and Fault Tolerance of systems and services through proactive advisories.
  - Transform the process from Human driven to Automation driven and eliminate human error from the equation.
  - Mitigate security related risks based on system driven suggestions.
- Drive Efficiency
  - Reduce VM provisioning cycle by up to 85%.
  - Achieve up to 50% faster deployment of services through automation.

## 3 Dynamic UI

MyCloud provides the functionality to create customized service request forms and associated actions.

Dynamic UI (User Interface) offers:

- Drag and drop feature to build/configure customized service request form(s)
- Write your script, validations and set the desired sequence of the controls that get executed with the form.
- It also leverages the feature where the user overwrites the pre-existing scripts and embeds the third-party JavaScript library.

### 3.1 Dynamic UI Creation

This section explains the steps required to create a customized service request form in MyCloud.

1. On the main menu bar, click Workflow Management
2. From dropdown menu click Manage UI Template

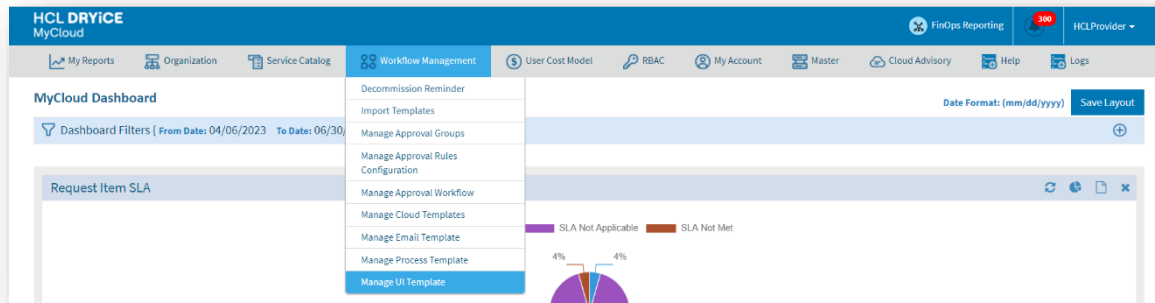


Figure 1 - Manage UI Template

To know about the other modules like Service Catalog, User Cost Model, Workflow Management, Master and so on, refer DRYiCE MyCloud Configuration Guide.

### 3.2 Manage UI Template

This section provides the steps to create Dynamic UI form associated with published service catalog for requesters based on the Platform. MyCloud provides the functionality to create a customized form having a pre-defined control from the control list.

The dynamic UI module helps the user to manage the UI templates in MyCloud.

It has following options:

- Create UI Template
- View UI Template
- Import UI Template

#### 3.2.1 Create UI Template

To create UI Templates, provider user needs to follow the below steps:

1. On the Manage UI Template pane, click on Create UI Template tab.

Figure 2 - Create Manage UI Template

2. Enter the details of the fields mentioned in the Field column of the table below. Refer to the Description column of the table to understand the fields:

Table 3 – Fields to Create UI Template

| Fields               | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Organization         | Lists of logged-in provider's organization                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Platform             | Lists of cloud service provider(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Template Name        | Input box to provide a unique name for the template. This name will be used as a unique identifier across the application                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Template description | Provide a description of the template                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Number of Tabs       | Provide the count of tab required for the customized screen. User has an option of adding up to 5 tabs. This field is mandatory but can be edited later.                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Approval Types       | <p>A user can add an approval in the designed screen. Once any approval type is selected, then Orchestration will be executed followed by the approval process, which is defined in the approval workflow template. If no approval templates are being added, then Orchestration will directly execute the service. There are three types of Approvals.</p> <p>No Approval: In this no approval will be attached.</p> <p>Static Approval: Predefined approval Template will be used for Approval.</p> <p>Dynamic Approval Rule: On Run time, Approval Template will be decided.</p> |
| Request Item Mode    | <p>There are two types of mode:</p> <p>Single Mode: In this option, controls get rendered for a single time on the customized screen irrespective of the number of instances that have been selected.</p> <p>Multiple Item Mode: In this option, controls get rendered on the customized screen based on several instances that have been selected. User needs to fill the details on the customized screen that get used in request fulfilment and provisioning of instances.</p>                                                                                                  |

### 3.2.1.1 Canvas, Controls and Tabs

You will be navigated to a canvas where controls and tabs are visible, as shown below:

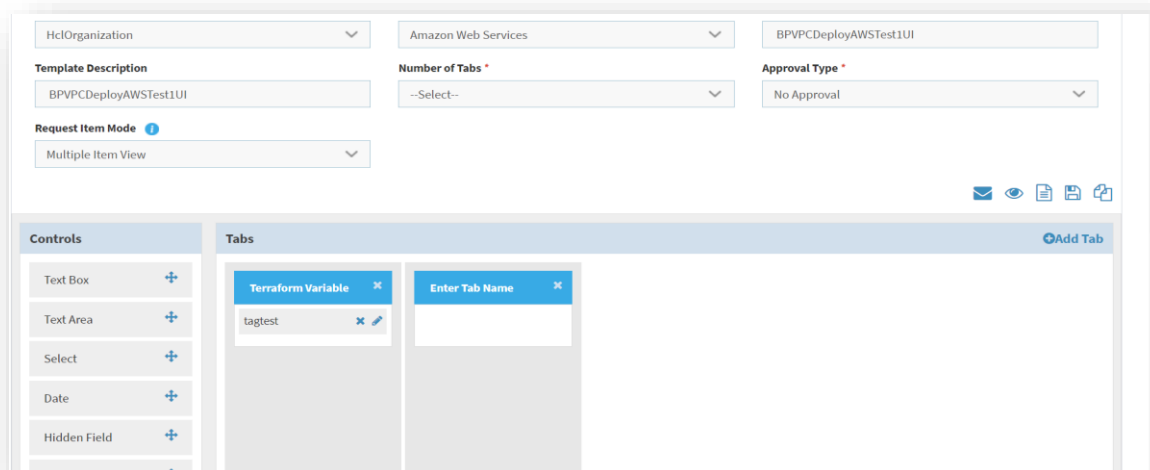


Figure 3 - Number of Tabs Selection

The left-side panel lists all the controls, and the right-side panel contains the tab details, based on no. of tabs selected in the above section:

1. In the Tabs section, there is an Add Tab (  ) option that helps the user to add more tab(s) on canvas.
2. Tabs sequence can be changed using the drag drop tabs into the tab container area.

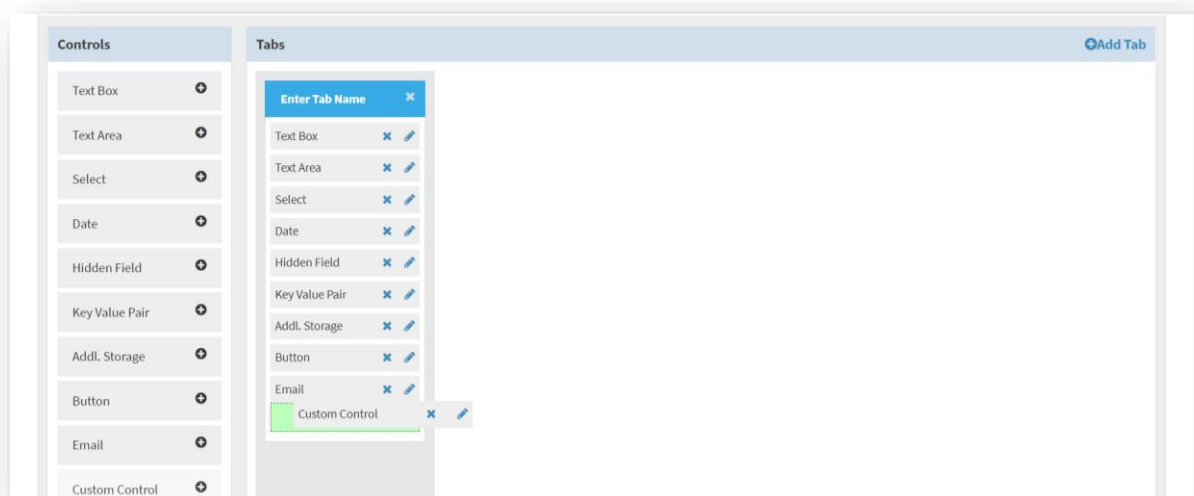


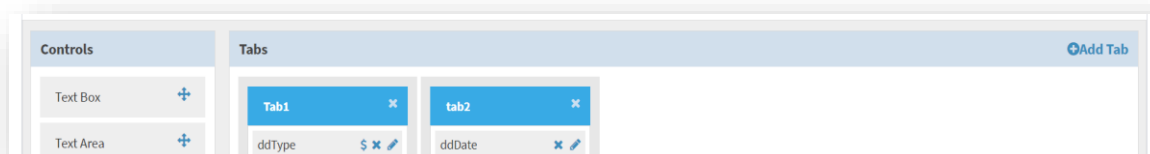
Figure 4 – Adding Control to a Tab

Refer the below table to understand the fields mentioned in the above figure:

Table 4 - Edit Tab Fields

| Fields         | Description                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Text Box       | Add the text box on the screen                                                                                                                                                                                                                                                                                                                                                                               |
| Text Area      | Add the text area (multi-line text box) on the screen and used for input like large text, i.e., description, address, etc.                                                                                                                                                                                                                                                                                   |
| Select         | Add the select/drop down list on the screen. It is used for selecting data from the list like region, city, state, etc.                                                                                                                                                                                                                                                                                      |
| Date           | Add the text box with date calendar control on the screen. It is used for selecting the date like From Date, To Date, etc.                                                                                                                                                                                                                                                                                   |
| Hidden Field   | Used for storing the value which is not visible to end-user                                                                                                                                                                                                                                                                                                                                                  |
| Key value Pair | Used for tags. USER can take multiple key value pair controls.                                                                                                                                                                                                                                                                                                                                               |
| Addl. Storage  | This is a custom control which is used for collecting the storage details. All storage details are in GB, and only one additional storage control per screen is allowed                                                                                                                                                                                                                                      |
| Button         | Generates the button on the screen. It used for performing any action on the screen                                                                                                                                                                                                                                                                                                                          |
| Email          | Add the text box on the screen. It used for sending additional emails. We can define multiple email with semicolon (;)                                                                                                                                                                                                                                                                                       |
| Custom control | Custom control is set of controls which can be used for collecting disk and network details for different cloud platforms. User will have options to select different controls which are readily available and can customize their properties. It is platform dependent and can render controls based on specific cloud platforms. User can take only one custom control for disk and network, respectively. |

3. Drag and drop the Controls (Text Area, Text, Select, Date, Key-value Pair and many more) on the Tab container area.
4. To remove a tab, click on  icon.



The tab container area is where a user drags and drops any number of control(s) and Tab name is mandatory.

The Header section contains the following controls:

|                                                                                     |                                                                                         |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|  | The user can preview the email of the UI by clicking on this <b>Email Preview</b> icon. |
|  | User can preview the complete form using the <b>Preview</b> icon.                       |
|  | The user can create new UI Form using the <b>Create New</b> icon.                       |
|  | The user can update the update UI Form using the <b>Update</b> icon.                    |



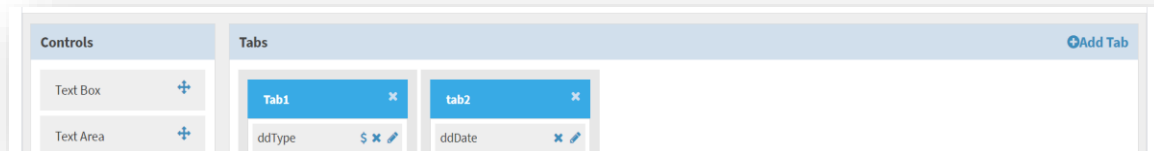
The **Copy to NewUI** icon helps users to copy the existing UI into new UI Form.

### 3.2.1.2 Control Properties

This section details the steps for a provider user to edit the control and provide customized value to controls.

To edit/modify the properties, the provider needs to follow the steps below:

1. Click Property ()



2. A pop-up window appears as shown below:

Figure 5 - Properties

Refer the below table to understand the fields mentioned in the above figure:

Table 5 - Control Properties

| Fields    | Description                                                                                                         |
|-----------|---------------------------------------------------------------------------------------------------------------------|
| Unique ID | A unique identifier for each control (i.e., tags, additional storage, subnet) can't be chosen as an id of a control |

| Fields                                     | Description                                                                                                                                                                                                                                                                                      |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display Name                               | To display the name of the control on screen                                                                                                                                                                                                                                                     |
| Visibility                                 | To show/hide control on the screen. By default, it is set to true                                                                                                                                                                                                                                |
| Events                                     | <ul style="list-style-type: none"> <li>Defines the event for a control, like onblur=blurevent ().</li> <li>Multiple events can be separated by a pipe ( ); e.g., onblur=blurevent ();, onkeyup=keyupevent();</li> </ul>                                                                          |
| Tool Tip                                   | Display the note as a tooltip when a user hovers on the control                                                                                                                                                                                                                                  |
| Description                                | Provide details about the control                                                                                                                                                                                                                                                                |
| Default value                              | Auto-populate the default text/selected value of the control                                                                                                                                                                                                                                     |
| Placeholder text                           | Provide a piece of information as watermark within the control                                                                                                                                                                                                                                   |
| Control value can be Override by Technical | This contains two values true and false. It is false by default; It means that the technical Approver cannot override it. When it is marked as true, then technical approver can change the value of the control irrespective of the visibility property of the control is set to true or false. |
| Validation                                 | To enable/disable validation for control. By default, it is false. It means there is no validation on control                                                                                                                                                                                    |
| Validators                                 | This contains the available validator list. Multiple validators can be selected                                                                                                                                                                                                                  |
| Validation Message                         | Shows the validation message for a control. In case of multiple validators, multiple validation messages can be separated by double pipe (  )                                                                                                                                                    |
| ReadOnly                                   | To make control as read-only                                                                                                                                                                                                                                                                     |
| Maximum length                             | Used for defining the control length so that the user cannot type more than the defined length                                                                                                                                                                                                   |
| TextMode                                   | This is used for defining the control mode like a text box/password                                                                                                                                                                                                                              |
| CssClass                                   | This is used for defining the pre-build CSS classes on the control for designing purpose                                                                                                                                                                                                         |
| HelpText                                   | To provide the help text for a control, once there is a value in this property, a control will appear on screen with information icon, and the help text will be visible by hovering on the information icon                                                                                     |
| Allowed Values                             | This field is unique for “Select” control. It contains comma-separated values which is used for the drop down/select control data binding                                                                                                                                                        |
| Multiple                                   | This field is unique for “Select” control. It allows the user to select more than one value. By default, it is false, and user can select only one value, but if it’s set as true, then it can select multiple items from the list                                                               |
| Max tag count                              | This field is unique for “Key value pair” control. It sets the limit of the tag, e.g., if the value is five then user can add only five tags                                                                                                                                                     |
| Collection Type                            | This field is unique for “Key value pair” control                                                                                                                                                                                                                                                |
| Max Tag count                              | This field is unique for “Addl. storage” control. It sets the limit for storage, e.g., if it is five so user can only add five storages                                                                                                                                                          |

| Fields            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Required in Email | To enable/disable control availability for email.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Email Order       | For defining the sequence number on email.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Data Source       | This field is unique for "Select" control. It contains functions which are used for the drop down/ select control data binding.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Cost Component    | <p>This field defines whether control will be used for expected cost calculation., if this property is enabled for a control, then symbol "\$" will be visible with control Possible values are "Applicable" and "Not Applicable".</p> <p>"Not Applicable": Control will not be used for expected cost calculation.</p> <p>"Applicable": Control will be used for expected cost calculation.</p> <p>Below are the values for Cost Component:</p> <ul style="list-style-type: none"> <li>• Not Applicable (default)</li> <li>• Compute CPU</li> <li>• Compute Memory</li> <li>• OS Disk Quantity</li> <li>• OS Disk Type</li> <li>• Period Interval</li> <li>• Period Value</li> <li>• Service Plan</li> </ul> <p>In Custom control &amp; Additional Storage there will be 2 values in "Cost Component" as</p> <ul style="list-style-type: none"> <li>• Not Applicable (default)</li> <li>• Additional Disk Type</li> </ul> <p>By default, cost from above configuration will be calculated in show cost, in case user want to calculate by their logic they will write their logic in dynamic UI form under Function showCost and comment the MyCloud out of box function</p> <p>"GetComponentExpectedCost" as mentioned in below.</p> <pre>function ShowCost() { // Comment below function to write your own custom logic to calculate cost. GetComponentExpectedCost(); return true; }</pre> <p>For all UI fields, by default "Cost Component" will have "Not Applicable" as selected and \$ will display (as in below screen shot for objected) in case there is other value then "Not Applicable" selected in any fields.</p> |

3. Enter the details in each field and click **Submit**.

### 3.2.1.2.1 Custom Control Properties

This section describes how a provider admin can edit custom controls and provides customized values to it.

To edit/modify the properties, the provider needs to follow the below steps:

1. Click  icon on the Custom Control.
2. A pop-up window appears as shown below:

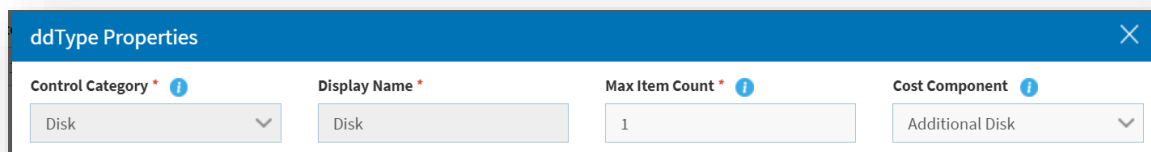


Figure 6- Custom Control Properties

Refer the below table to understand the fields mentioned in the above figure:

Table 6 - Custom Control Properties

| Fields           | Description                                                                                                                                                                                                                                                 |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Control Category | It has an option to select category of the control either “Disk” or “Network”. Based on Control Category pre-defined controls will be populated and can be customized further.                                                                              |
| Display Name     | To display the name of the control on screen.                                                                                                                                                                                                               |
| Max Item Count   | This field is unique for “Custom control”. It sets the limit of the categories (disk/network), for no limit set “0”. e.g., if the value is five then user can add only five categories(disk/network).                                                       |
| Cost Component   | Property defines whether control will be used for expected cost calculation.<br>Control will be used for expected cost calculation of additional disk. Value for Cost components field will be as following:<br>Not Applicable (default)<br>Additional Disk |

3. Select Control Category.
4. This will display the pre-configured control list based on platform. Controls are displayed on screen as shown below.

**Disk Properties**

Control Category \* i Disk ▼ Display Name \* Disk Max Item Count \* i 1 Cost Component i Not Applicable ▼

DiskID i Applicable

Name i Applicable

Disk Type i Applicable

SizeInGB i Applicable

Unit i Applicable

DataStorageName i Applicable

Uniqueld \* DataStorageName Display Name \* DataStorageName Visibility true ▼ Events onChange=checkadditionainfo

Tooltip Default Value DataSource Allowed Values

Figure 7 - Pre-configured Control

5. Select Applicable. This defines the control availability on the screen.
6. Selecting the Applicable option displays the properties of the corresponding control as shown below:

**ddType Properties**

Control Category \* i Disk ▼ Display Name \* Disk Max Item Count \* i 1 Cost Component i Additional Disk ▼

DiskID i Applicable

Uniqueld \* DiskID Display Name \* DiskID Visibility true ▼ Events Add multiple events with | sep

Tooltip Default Value Overridden By Technical false ▼ Maximum Length 30

ReadOnly false ▼ Validation false ▼ Validators Required Numeric Validation Message Add multiple messages with ||

Figure 8 - Pre-Configured Control Properties

Refer to Table 5 - Control Properties to know more about the properties.

If you wish to see all the properties at once, Kindly hover over that control.

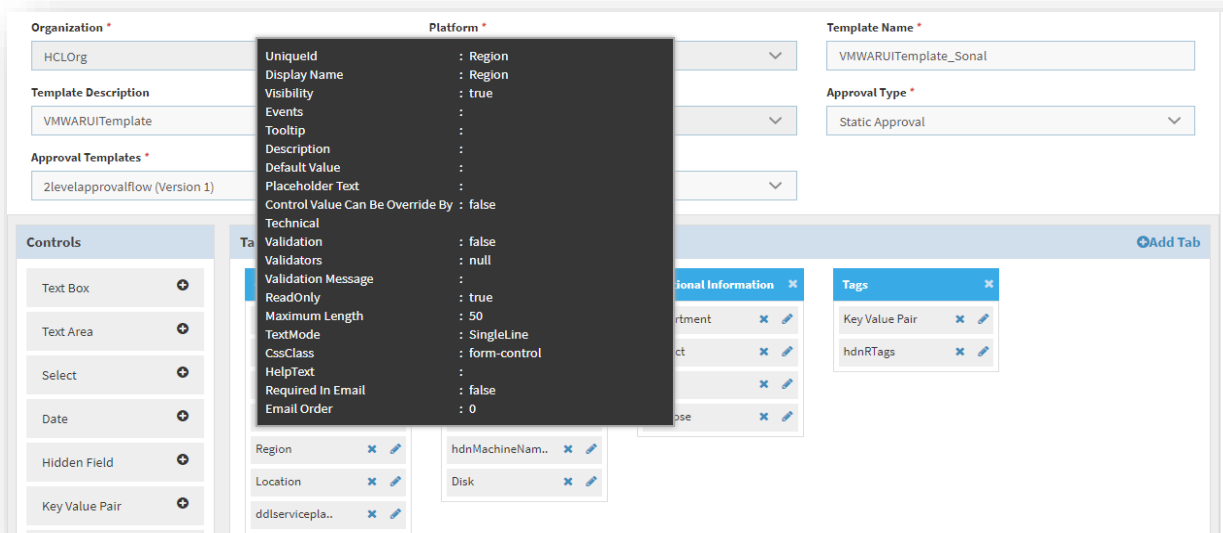


Figure 9 - Control Properties

### 3.2.1.2.2 Platform Wise Custom Control

This section describes the pre-defined platform wise custom control list for Disk and Network.

Control Availability Matrix:

- Y: available
- N: not available

#### 3.2.1.2.2.1 Disk Control List

This section describes the pre-defined platform wise custom control list for Disk.

Table 7 - Disk Control Pre-configured List

| Control                      | Type    | VMWAR | ARM | AWS | GCP | SCVMM |
|------------------------------|---------|-------|-----|-----|-----|-------|
| Disk Id                      | textbox | Y     | N   | N   | N   | Y     |
| Name                         | textbox | Y     | Y   | N   | N   | Y     |
| Size in GB                   | textbox | Y     | N   | N   | N   | Y     |
| Unit                         | select  | Y     | N   | N   | N   | Y     |
| Data Storage Name            | select  | Y     | N   | N   | N   | N     |
| Data Storage Id              | textbox | Y     | N   | N   | N   | N     |
| Drive Letter                 | textbox | Y     | N   | N   | N   | Y     |
| Operation                    | textbox | Y     | N   | N   | N   | Y     |
| Disk Size                    | textbox | N     | Y   | N   | Y   | N     |
| Lun                          | textbox | N     | Y   | N   | N   | N     |
| Storage Managed Account Type | select  | N     | Y   | N   | N   | N     |
| Create Option                | select  | N     | Y   | N   | N   | N     |
| Caching                      | select  | N     | Y   | N   | N   | N     |
| Device Name                  | textbox | N     | N   | Y   | Y   | N     |
| Volume Size                  | textbox | N     | N   | Y   | N   | N     |
| Ebs Type                     | select  | N     | N   | Y   | N   | N     |
| IOPS                         | textbox | N     | N   | Y   | N   | N     |
| Disk Type                    | select  | N     | N   | N   | Y   | N     |
| Interface                    | textbox | N     | N   | N   | Y   | N     |
| Type                         | textbox | N     | N   | N   | Y   | N     |
| Auto Delete                  | select  | N     | N   | N   | Y   | N     |
| Snapshot Schedule            | select  | N     | N   | N   | Y   | N     |
| Customer Managed Encryption  | select  | N     | N   | N   | Y   | N     |

#### 3.2.1.2.2.2 Network Control List

This section describes the pre-defined platform wise custom control list for Network.

Table 8 - Network Control Pre-configured List

| Control                    | Type    | VMWAR | ARM | AWS | GCP | SCVMM |
|----------------------------|---------|-------|-----|-----|-----|-------|
| Network Name               | select  | Y     | N   | N   | N   | Y     |
| IP Address                 | textbox | Y     | Y   | N   | N   | Y     |
| Subnet Mask                | textbox | Y     | N   | N   | N   | Y     |
| Default Gateway            | textbox | Y     | N   | N   | N   | Y     |
| Is Primary                 | select  | Y     | N   | N   | N   | N     |
| Primary                    | select  | N     | Y   | N   | N   | N     |
| Virtual Network Name       | select  | N     | Y   | N   | N   | N     |
| Virtual Network RG Name    | textbox | N     | Y   | N   | N   | N     |
| Subnet Name                | select  | N     | Y   | N   | N   | N     |
| Network Interface          | textbox | N     | Y   | N   | N   | N     |
| SNO                        | textbox | N     | N   | Y   | N   | N     |
| Secondary IP Address Count | textbox | N     | N   | Y   | N   | N     |
| Subnet                     | select  | N     | N   | Y   | N   | N     |
| Device Index               | textbox | N     | N   | Y   | N   | N     |
| Network Interface          | select  | N     | N   | N   | Y   | N     |
| Subnet Interface           | select  | N     | N   | N   | Y   | N     |
| Network Tier               | select  | N     | N   | N   | Y   | N     |
| NatIp                      | textbox | N     | N   | N   | Y   | N     |
| vLANID                     | select  | N     | N   | N   | N   | Y     |

### 3.2.1.3 Scripting Block

This section helps to write the different levels (control level, pre-defined methods, and external JavaScript) of scripts in MyCloud while creating the UI template.

To write scripts in MyCloud to customize the service request fields, Provider needs to follow any/all the below sections:

- Control tabs level
- Parent page level
- External JavaScript

#### 3.2.1.3.1 Write Control Level Script

Control Level Script section enables user to access or customize the behavior of controls. If user wishes to override any property or needs to run some business logic, he can write his custom logic using this section. Start-up scripts like “document.ready()” can be written here.

For example, if there is a dropdown control on the form and a user wants to perform any action on the drop-down item change, a JavaScript function will be written in the below provided area. This function will be called by “Events” property of the control.

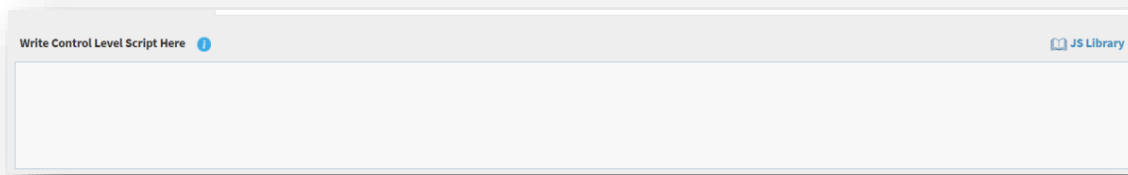


Figure 10 - Write Control Level Script Here

We have some pre-defined methods which are used in Requester screen to get and set the values.

Table 9 - Write Control Level Script Pre-Defined Methods

| Parent Page Name | Method Name                            | Description                                                                                                                                                                                                                                                                    |
|------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Requester        | requestParam.SetInstanceCount (value)  | This method is useful when we want to change instance count dynamically based on specific condition. This method is overridden to instance values which we selected on catalog selection screen.<br>Note: This method will only work if Request Item Mode is Single Item mode. |
| Requester        | requestParam.GetInstanceCount ()       | This method will return the value of Instance count.                                                                                                                                                                                                                           |
| Requester        | requestParam.GetEnvironmentEntityId()  | This method will return the value of environment entity id.                                                                                                                                                                                                                    |
| Requester        | requestParam.GetCatalogueName()        | This method will return Name of the catalog.                                                                                                                                                                                                                                   |
| Requester        | requestParam.GetCatalogueEntityId()    | This method will return Catalog entity id.                                                                                                                                                                                                                                     |
| Requester        | requestParam.GetPlatformCode()         | This method will return platform code.                                                                                                                                                                                                                                         |
| Requester        | requestParam.GetOrganizationEntityId() | This method will return Organization entity id.                                                                                                                                                                                                                                |

### 3.2.1.3.2 Reusable JS Library

By using this functionality, the Provider User can add and reutilize custom functions in the 'Write Control Level Script' in the UI template screen.

**For Example:** When a function is to be used in multiple UIs, the provider user must write the same function in each UI. To avoid this rework, we need to provide a JS script library, where provider can add function(s) and can reuse them in any UI.

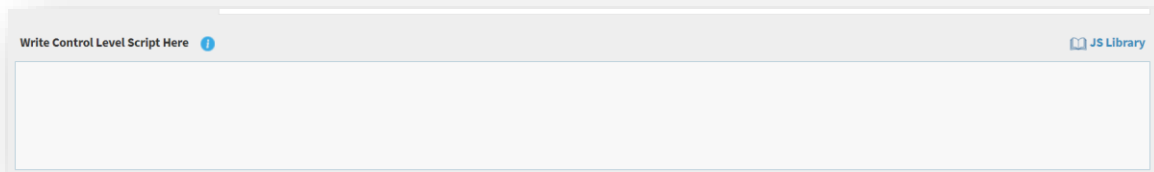


Figure 11 – JS Library

1. On clicking the (  ), the Provider user can filter the records based on Tags and Function names and can sort the records by using the **Sort By** column.

The list displays the Master JS function(s), and Custom JS function(s) where Master functions are not editable.

2. The Sort By column will have following options:

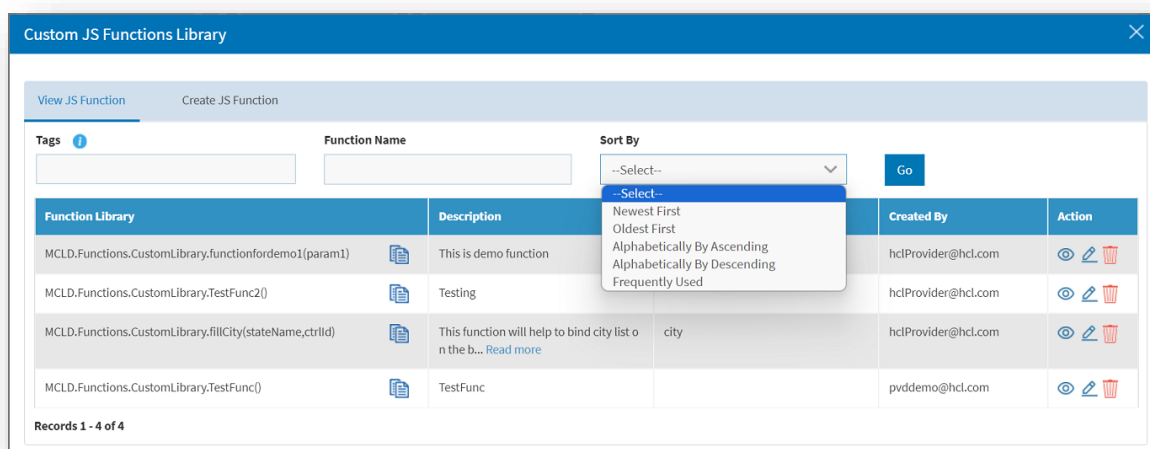


Figure 12 – Sorting Functions

- **Newest First:** Newest records will come on top.
  - **Oldest First:** Oldest records will come on top.
  - **Alphabetically By Ascending:** Function name in ascending order by alphabetical order.
  - **Alphabetically By Descending:** Function name in descending order by alphabetical order.
  - **Frequently Used:** The most used function will come on the top.
3. To create a new JS function, click on the **Create JS Function** tab.

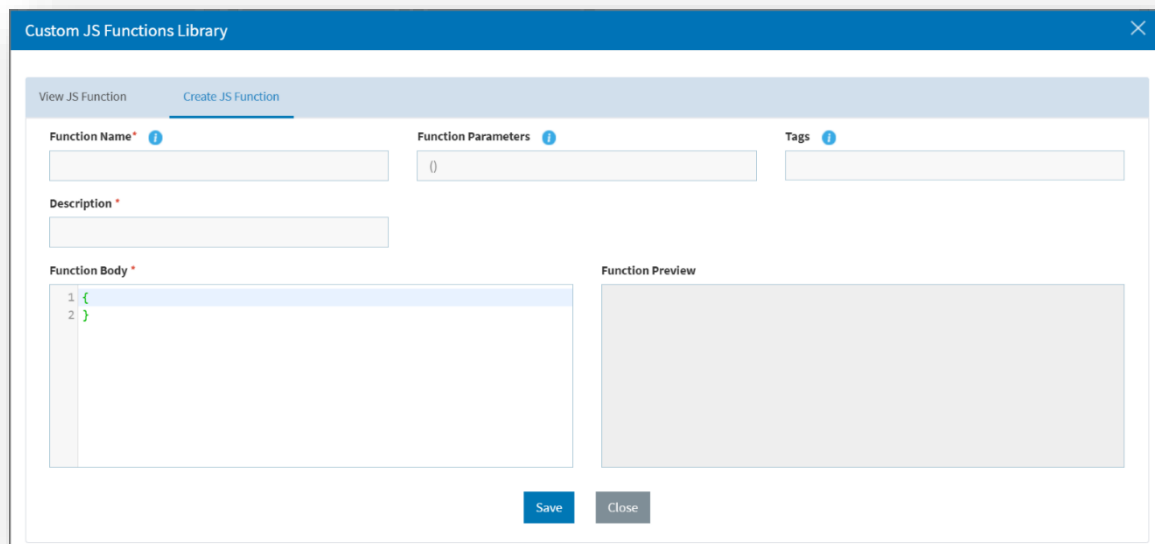


Figure 13 – Create JS Function

4. The following fields need to be populated:
  - **Function Name:** A unique function name.
  - **Function Parameters:** The default value will be (). If user wants to add parameters, then it can be modified like (param1, param2....)
  - **Tags:** Add Tag for each function to search/filter the functions.
  - **Description:** A brief description of the function.
  - **Function Body:** A definition for the function.
  - **Function Preview:** It displays the preview of the actual function.
5. On clicking the **Save** button, the function will be saved, and an alert message will be displayed. At the same time, function name will also be added in MCLD.Function.CustomFunctionLibrary, so that same function will be available on the current screen without refreshing the page.

Function will be available only after getting a success message.

6. On clicking the **Cancel** button, popup will close.

The combination of “Function name” and “Function parameter” for a provider must be unique. For Example, BindRegion() and BindRegion(a, b) are two different functions.

All the existing and newly added functions will be available in the below screens:

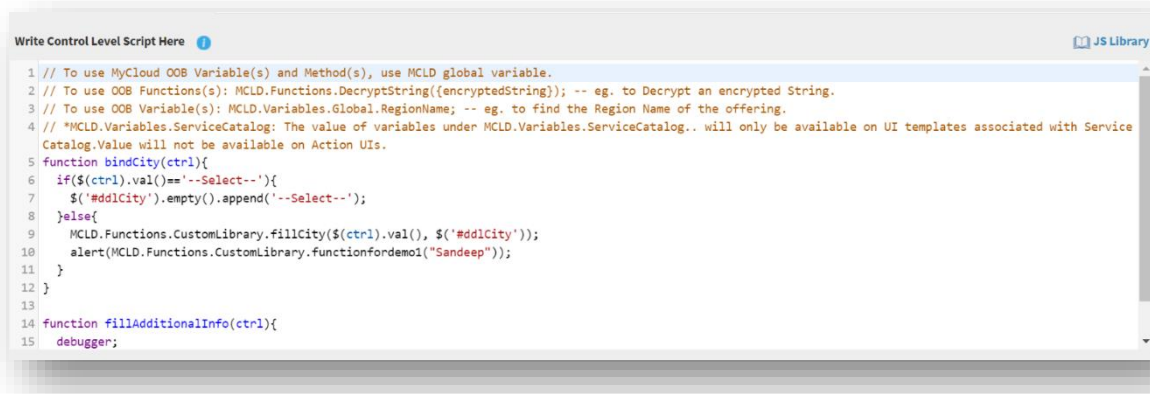


Figure 14 – Write Control Level Script Here Screen

User can add functions from script library that is MCLD.Function.CustomFunctionLibrary.XXX() where XXX() is the function name. If the function name has any parameter(s) then function name will be displayed as MCLD.Function.CustomFunctionLibrary.XXX(a,b).

Functions used from Script Library will be the part of UI Template.

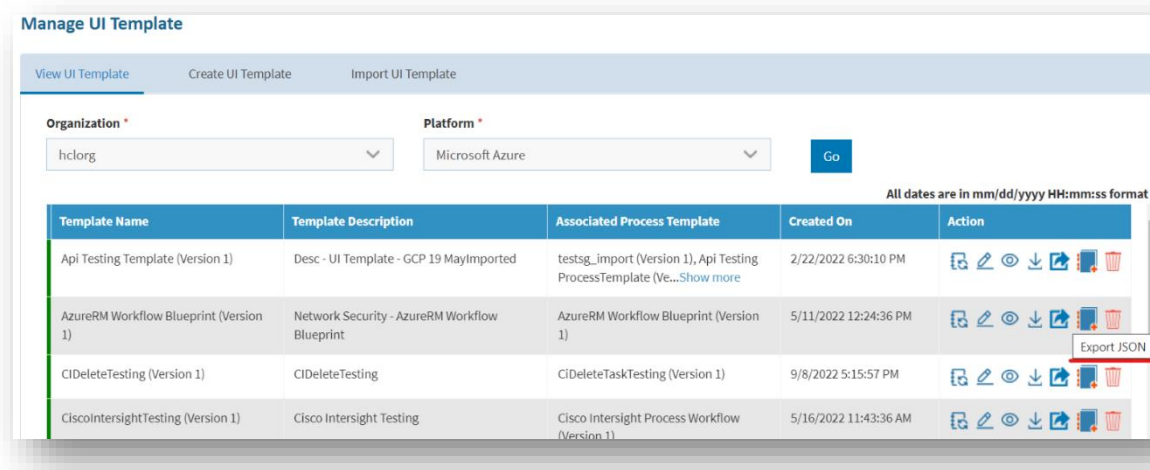


Figure 15 – Manage UI Template

### 3.2.1.3.3 Write/Modify Pre-defined method(s)

Below are some pre-defined JavaScript methods that are being called by the Parent page before performing any action on it.

Table 10 - Write/ Modify Pre-defined Methods

| Parent Page Name | Method Name | Description                                                                                                                                                                                                                                                          |
|------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Requester        | ShowCost()  | This function is called from Requester screen by clicking, “Show Cost” and returns the value as true or false, else parent page level functionality does not move forward. There are two type of cost.<br>Cloud Platform Wise Cost based on cost model configuration |

| Parent Page Name | Method Name | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  |             | <p>Consumed service cost by Cloud Provider (service cost dependent on native cloud provider price list)</p> <p>Note: Recommended approach to calculate cost is Consumed service cost by Cloud Provider and the billing job must be enabled for the public cloud.</p> <p>Cloud Platform Wise Cost based on cost model configuration.</p> <p>Use below method Based on Cloud platform to show the cost:</p> <p>Cloud Platform: VMWAR / SCVMM</p> <p>Method: PrivateCloud_ExpectedCost(Period, PeriodID, Location, ServicePlanID, CostType, Size, vCPU, Memory, Storage, OsDisk)</p> <p>Cloud Provider: ARM</p> <p>Method: ARM_ExpectedCost(Period, PeriodID, ServicePlanID, CostType, Size)</p> <p>Cloud Provider: AMAZN</p> <p>Method: AMAZN_ExpectedCost(Period, PeriodID, Size, ServicePlanID, CostType, OrderType, InstanceTypeID, IsEIPRequested, IsDetailedMonitoringEnabled, IsELBSelected, IsEBSRequested, requesttodate, requestfromdate)</p> <p>Cloud Provider: GCP</p> <p>Method: GCP_ExpectedCost(Period, PeriodID, ServicePlanID, CostType, Size, Storage, MachineClass, Series)</p> <p>Parameters Details:</p> <p>Period: it is a numeric value like 1,2,3....9</p> <p>PeriodID: It can be 'd' for 'Day(s)', 'm' for 'Month(s)', 'w' for 'Week(s)', or 'y' for 'Year(s)'.</p> <p>Location: it contains the datacenter location.</p> <p>ServicePlanID: Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud. E.g., Silver, Platinum etc.</p> <p>ServicePlanID must be saved in CIMaster. Otherwise, Billing reports will not be populated.</p> <p>CostType: It can be Allocation Based Model and Time Based Model.</p> |

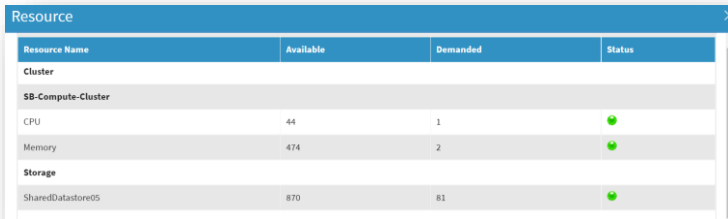
| Parent Page Name | Method Name | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  |             | <p>Size: it takes supported size based on cloud platform.</p> <p>vCPU: It defines the no. of vCPUs.</p> <p>Memory: It defines the size of Memory.</p> <p>Storage: It defines the size of storage.</p> <p>OsDisk: Size of the OS disk.</p> <p>OrderType: It defines the type of Order like OND/ONS.</p> <p>InstanceTypeID: Size of the cloud Platform (AMAZN).</p> <p>IsEIPRequested: It required "Y" - Yes and "N" - No values either EIP request or not.</p> <p>IsDetailedMonitoringEnabled: It required "Y" - Yes and "N" - No values either Detailed Monitoring enable or not.</p> <p>IsELBSelected: It required "Y" - Yes and "N" - No values either ELB selected or not.</p> <p>IsEBSRequested: It required "Y" - Yes and "N" - No values either EBS request or not.</p> <p>Requesttodate: it required Date when request submitted. (Optional)</p> <p>Requestfromdate: it required Date when request submitted. (Optional)</p> <p>MachineClass:It require for GCP expected cost.</p> <p>Series: It require for GCP expected cost.</p> <p>Note: Above method of expected cost is going to obsolete. It is recommended to use new method (define below) to calculate expected cost of all platforms.</p> <p>Consumed service cost by Cloud Provider (New methods of expected cost)</p> <p>Use below method to show the cost of the native cloud provider services (Virtual Machine, disk, app gateway etc.) also this method will calculate the prices of services mapped by provider in cost modal.</p> <p>Example (operation cost, maintenance cost)</p> <p>Method: GetServiceExpectedCost (serviceName, jsonParams, Summary)</p> <p>Parameters Details:</p> <p>ServiceName: Service Name to show the cost. For example: VirtualMachine, Disk etc.</p> <p>JsonParams: items json to show the cost. If multiple items, then multiple items with " " separated multiple values. Sample json:</p> |

| Parent Page Name | Method Name    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                 |              |          |            |       |                |                                                           |                                                                 |
|------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|--------------|----------|------------|-------|----------------|-----------------------------------------------------------|-----------------------------------------------------------------|
|                  |                | <div><pre>{ "items": [ { "KeyName": "Region", "KeyValue": "USEast   UsWest" }, { "KeyName": "OS", "KeyValue": "Win   Lin" }, { "KeyName": "Usage", "KeyValue": "24   9" }, { "KeyName": "Disk", "KeyValue": "SDD~D4   HDD~A1" } ] }</pre></div> <p>Summary: it required Yes and No values either summary required or not.</p> <p>Note: User can create JsonPrams by their own and use give below method to get the json.</p> <p>Method: GenerateServiceItemJson(keyList,valueList)</p> <p>Parameters Details:</p> <p>keyList: it is an array of keys. For example:</p> <pre>[ "Region", "Os", "Usage", "Period", "PeriodId", "ServicePlan" ]</pre> <p>valueList: It is an array of values respective to the keys. KeyList and valueList array sequence should be same. For example,<pre>[ "UsWest", "Win", "24", "12", "Day(s)", "ARM Service" ]</pre><p>If we have multiple items, then valueList would be “pipe ( )” separated values for the items and key list would remain same. For example:</p><pre>[ "UsWest   UsWest", "Win   Lin", "24   9", "12   1", "Day(s)   Month(s)", "Silver   Platinum" ]</pre><p>In case of Multiple Disk, DiskType and value should be separated by “tild(~)” and more than 1 disk in an item should be separated by “comma( , )”. For example,</p><p>One item one disk =&gt; [ "DiskType~Value" ] or [ "SDD~S1" ]</p><p>One item multiple disk =&gt; [ "DiskType1~Value1", "DiskType2~Value2" ] or [ "HDD~A0, HDD~A1" ]</p><p>Multiple item multiple disk =&gt; [ "DiskTypeItem1~ValueItem1, "DiskTypeItem1~Valueitem1   DiskTypeItem2~ValueItem2" ] OR [ "HDD~A0, HDD~A1"   "SDD~S1" ]</p><p>Below is service wise keyList and ValueList sample values:</p><table><tr><th>Cloud Provider</th><th>Service Name</th><th>Key List</th><th>Value List</th></tr><tr><td>AMAZN</td><td>VirtualMachine</td><td>[ "Region", "OS", "Size", "Period", "Period ID", "Service</td><td>[ "us-east-1", "Windows", "a1. medium", "9", "Day(s)", " Silver</td></tr></table></p> | Cloud Provider                                                  | Service Name | Key List | Value List | AMAZN | VirtualMachine | [ "Region", "OS", "Size", "Period", "Period ID", "Service | [ "us-east-1", "Windows", "a1. medium", "9", "Day(s)", " Silver |
| Cloud Provider   | Service Name   | Key List                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Value List                                                      |              |          |            |       |                |                                                           |                                                                 |
| AMAZN            | VirtualMachine | [ "Region", "OS", "Size", "Period", "Period ID", "Service                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | [ "us-east-1", "Windows", "a1. medium", "9", "Day(s)", " Silver |              |          |            |       |                |                                                           |                                                                 |

| Parent Page Name | Method Name | Description |                    |                                                                                      |                                                                                                                                                                                                                                                                            |
|------------------|-------------|-------------|--------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  |             |             |                    | Plan","Disks"<br>]                                                                   | ","gp2~10,IOPS~20"<br>]<br>"Disks" must be like<br>"diskType~disksize"<br>where<br>DiskType are "gp2<br>or iops and disksize<br>should be in in gb<br>like 10,20..etc                                                                                                      |
|                  |             | AMAZN       | Disk               | ["Region",<br>"Period","Pe<br>riodID","Serv<br>icePlan","Dis<br>ks"]                 | ["us-east-<br>1","9","Day(s)","<br>Silver<br>","gp2~10,IOPS~20"<br>]<br>"Disks" must be like<br>"diskType~disksize"<br>where<br>DiskType are "gp2<br>or iops and disksize<br>should be in in gb<br>like 10,20..etc                                                         |
|                  |             | ARM         | VirtualMachin<br>e | ["Region","O<br>s","Size","Pe<br>riod","Period<br>ID","Service<br>Plan","Disks"<br>] | ["UsWest Japan","<br>Windows Linux","B<br>asic_A0 Basic_A0","<br>9 3","Day(s) Month<br>(s)","ARM<br>Platinum Silver<br>","SHDD~S6,<br>SSSD~E30 PSSD~P1,<br>SSSD~E40"]<br>"Disks" must be like<br>"diskType~disksize"<br>where<br>DiskType are<br>"SHDD , SSSD and<br>PSSD. |

| Parent Page Name | Method Name | Description |                |                                                                                                 |                                                                                                                                                                                                                                                                          |
|------------------|-------------|-------------|----------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  |             |             |                |                                                                                                 | disksize must be standard disk size supported by Azure like s6,E30 etc                                                                                                                                                                                                   |
|                  |             | ARM         | Disk           | ["Region","Period","PeriodID","ServicePlan","Disks"]                                            | ["australiacentral","9","Day(s)","ARM Service","SHDD~S6,SSSD~E30,PSSD~P1"]<br>"Disks" must be like "diskType~disksize" where DiskType are "SHDD , SSSD and PSSD.<br>disksize must be standard disk size supported by Azure like s6,E30 etc                               |
|                  |             | GCP         | VirtualMachine | ["Region","OS","MachineType","Period","PeriodID","ServicePlan","Disks","Series","MachineClass"] | ["us-west4","Widows linux","n2d-highcpu-128  n2d-highcpu-128","9 3","Day(s) Month(s)","Platinum Silver","N2D N2","Preemptible Regular",<br>10~MachineImage~REGIONAL 10~LocalSSD~MULTI_REGIONAL"]<br>"Disks" format defined as "diskSize~disktype~disklocationType" where |

| Parent Page Name | Method Name | Description   |                |                                                                        |                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------|-------------|---------------|----------------|------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  |             |               |                |                                                                        | <p>diskSizes are in gb<br/>"10,20 etc..<br/>disktype must be<br/>PDStandard and<br/>SSD<br/>disklocationType<br/>should be<br/>"MULTI_REGIONAL"<br/>and "REGIONAL"</p>                                                                                                                                                                                                                     |
|                  |             | GCP           | Disk           | <p>[ "Region", "Period", "PeriodID", "ServicePlan", "Disks" ]</p>      | <p>[ "us-west4", "9 3", "Day(s) Month(s)", "ARM Service Amazon Service", "10~PDStandard~REGIONAL 10~LocalSSD~MULTI_REGIONAL" ]</p> <p>"Disks" format defined as<br/>"diskSize~disktype~disklocationType"<br/>where<br/>diskSizes are in gb<br/>"10,20 etc..<br/>disktype must be<br/>PDStandard and<br/>SSD<br/>disklocationType<br/>should be<br/>"MULTI_REGIONAL"<br/>and "REGIONAL"</p> |
|                  |             | Private Cloud | VirtualMachine | <p>[ "Size", "Period", "PeriodID", "ServicePlan", "VCPU, Memory" ]</p> | <p>[ "Small", "9 3", "Day(s) Month(s)", "ARM Service Amazon Service", "2", "3" "10, 20 10,20" ]</p>                                                                                                                                                                                                                                                                                        |

| Parent Page Name        | Method Name                       | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |                                                         |                                                                                    |
|-------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------|------------------------------------------------------------------------------------|
|                         |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      | emory,"Disk<br>s"]                                      |                                                                                    |
|                         |                                   | Private<br>Cloud                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Disk | ["Period","P<br>eriodID","Se<br>rvicePlan","<br>Disks"] | ["9 3","Day(s) Mon<br>th(s)","ARM<br>Service Amazon<br>Service","10,20 10,<br>20"] |
| Requester/Object Action | request_process<br>_start()       | This function is called from Requester/Object Action screen by clicking, "Submit"/ "Save Draft". This returns the value in true or false, else parent page level functionality does not move forward.                                                                                                                                                                                                                                                                                                                                                           |      |                                                         |                                                                                    |
| IT Approval             | ValidateConfigur<br>ation(Action) | <p>This function will be called from IT Approval screen by clicking, Validate and Submit action. The method is overridden to put custom logic for Validation/perform actions.</p> <p>Action contains two values as "V" and "S"</p> <p>V: Validate button is clicked.</p> <p>S: Submit button is clicked</p> <p>To validate the form use "GenericValidateITData" method for Action value as "V".</p> <p>Method: GenericValidateITData(action)</p> <p>It will validate the request and shown all the resource available/demanded status as information popup.</p> |      |                                                         |                                                                                    |
|                         |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |                                                         |                                                                                    |
|                         |                                   | <p><a href="#">Figure 16-Validate IT Resource Details</a></p> <p>This returns a value in true or false, else parent page level functionality does not move forward.</p>                                                                                                                                                                                                                                                                                                                                                                                         |      |                                                         |                                                                                    |
| Self (Customized Form)  | ctr_keyValuePai<br>r_addNew()     | <p>This function is called by the customized page from Key value pair controls by clicking, Add.</p> <p>This returns a value in true or false, else parent page level functionality does not move forward.</p>                                                                                                                                                                                                                                                                                                                                                  |      |                                                         |                                                                                    |

| Parent Page Name       | Method Name                                     | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Self (Customized Form) | ctr_keyValuePair_Remove()                       | This page calls the function from Key value pair controls by clicking, Remove. This returns a value in true or false and if it is False then parent page level functionality does not move forward.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Self (Customized Form) | ctr_Addl_storage_addNew ()                      | This page calls the function from Addl. storage controls by clicking, Add New. This returns a value in true or false and if it is False then parent page level functionality does not move forward.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Self (Customized Form) | ctr_Addl_storage_Remove ()                      | This function is called by the customized page itself from Addl. storage controls by clicking, Remove.<br>This returns a value in true or false, else parent page level functionality does not move forward.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Self (Customized Form) | customcontrolinsertvalues(ctrl)                 | This page calls the function from custom control by clicking, Add. ctrl is an object that contains the reference of clicked control.<br>This returns a value in true or false, else parent page level functionality does not move forward.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Self (Customized Form) | customcontrolremovevalues(ctrl)                 | This page calls the function from custom control by clicking, Delete. ctrl is an object that contains the reference of clicked control.<br>This returns a value in true or false, else parent page level functionality does not move forward.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Self (Customized Form) | request_process_beforeConfirmation(requestJson) | This function is called from Requester screen by clicking, Submit button. This method is called after final JSON is created and before confirmation popup is displayed. Method can be overridden to put custom logic/action/validation.<br>requestJson have various methods to override final JSON key values.<br>E.g.<br>UpdateKeyValue(itemNo,keyName,keyValue,systemErrorMessage) : it takes four parameters to update value in JSON.<br>itemNo: Unique item no for update value.<br>keyName: JSON key name i.e., UI control unique Id.<br>keyValue: Value to update in existing JSON.<br>systemErrorMessage: it is either "true" or "false". True shows system defined error message. Whereas False shows custom message. |
| Requester              | OnConfirmationClick(requestJson)                | This function is called from Requester screen, confirmation popup by clicking, Confirm button. Method can be overridden to put custom logic/action/validation.<br>requestJson have various methods to perform operations on final JSON key values. E.g.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Parent Page Name | Method Name | Description                                                                                                                                                                                                                                                                                                                                               |
|------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  |             | <p>GetJsonKeyValue(itemNo,keyName,systemErrorMessage) : it takes three parameters to get value in JSON.</p> <p>itemNo: Unique item no to get value.</p> <p>keyName: JSON key name i.e., UI control unique Id.</p> <p>systemErrorMessage: it is either “true” or “false”. True shows system defined error message. Whereas False shows custom message.</p> |

```

1 // Function will be called from IT Approval screen from Validate and Submit action buttons.Method can be overridden to put custome logic for
  Validation/perform actions.
2 // Action contains two values as "V" and "S"
3 // V: Validate button is clicked.
4 // S: Submit button is clicked
5 function ValidateConfiguration(action){
6 return true;
7 }
8
9 // Function is called from Requester screen on click of "Show Cost" button. Method must be implemented to show cost of selected items.
10 function ShowCost() {
11 return true;
12 }
13
14 // Function is called from Requester screen on click of "Submit" button. This method can be implemented to put custom validation/logic/action.
15 function request_process_start(){
16 return true;
17 }
18
19 //Function is called from Key value pair controls on add button click.
20 function ctr_keyValuePair_addNew()
  
```

Figure 17 - Write/Modify Pre-Defined Method

#### 3.2.1.3.4 External JavaScript Links

All the external JavaScript links are written in the below window.

- Place all JavaScript links into scripts array.
- For example, var scripts = ["https://xxx.com/x.js","https://xxx.com/x.js"];

```

1 //Add External Javascript path here
2 var scripts = [];
3 if(scripts.length>0)
4 {
5 for (index = 0; index < scripts.length; ++index) {
6 var script = document.createElement('script');
7 script.src = scripts[index];
8 script.type='text/javascript';
9 document.getElementsByTagName("head")[0].appendChild(script);
10 }
11 }
12
  
```

Figure 18 - External JavaScript Links

- Click Save.
- The UI Template has been created and it will be listed under View UI Template tab.

### 3.2.1.3.5 Intelligence writing JavaScript for UI Template.

11. The Intelligence is the feature that automatically completes various sorts of text (MyCloud out-of-box functions and variables) after you have entered an initial substring (or prefix), which can save you the time of typing a long word (and potentially save you mistyping it).
12. When you type the word “doc”, it displays a JavaScript keyword “Document” as a suggestion. You accept the suggestion by typing the completion key (see “Automatic completion”, below), and the word is completed within your buffer as if you’d typed it all out. If the suggested word is not what you want, keep typing.
13. If more than one word in the list of suggestions match what you’ve typed, it presents a list containing the words (suggestions); the highlighted word in the list is the one that will be selected on the completion key, but you can use the Down-arrow & Up-arrow keys, or Page-Down & Page-Up, to move through the list; or press Esc key to dismiss the list.



Figure 19 - intelligence In Scripting Block

### 3.2.1.3.6 MCL Root Variable

MCLD (MyCloud out-of-box) is the root variable that allows you to access all the functions and variables of MyCloud with intelligence feature.

As soon as you type MCLD in scripting block and press dot(.), two categories come up:

- MCLD. Functions
- MCLD. Variables

#### 3.2.1.3.6.1 MCLD Functions

MCLD functions contains the list of all out-of-box functions in MyCloud.

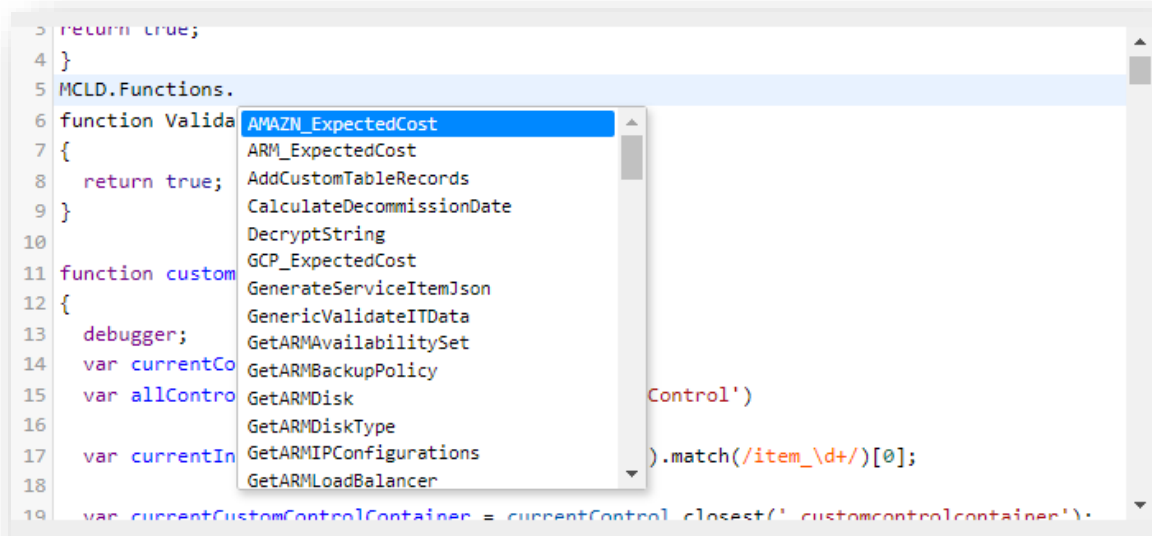


Figure 20 - List of MyCloud functions

Whenever you want to use a function, for example, if you want to use `AMAZN_ExpectedCost`, then you need to type `MCLD.Functions.AMAZN_ExpectedCost` in the script block. When you open the function bracket, a popup appears displaying parameters suggestions, as shown in the image below:



Figure 21 - Parameter suggestions for a function

Pressing the Alt key here displays detailed information about the function, as shown in the following image:

```

3 return true;
4 }
5 MCLD.Functions.AMAZN_ExpectedCost()
6 function ValidateConfiguration(Act
7 {
8     return true;
9 }
10
11 function customcontrolinsertvalues(ctrl)
12 {
13     debugger;
14     var currentControl = $(ctrl);
15     var allControlDiv = currentControl.closest('.AllControl')
16
17     var currentInstance = allControlDiv.attr('class').match(/item_\d+/)[0];
18
19     var currentCustomControlContainer = currentControl.closest('customcontrolcontainer');

```

AMAZNExpectedCost – This method is used to return the List of expected cost of AMAZN in MyCloud.

Figure 22 - Details of a functions

The following functions have been deprecated and therefore are not part of MCLD.Functions:

- GetCluster
- GetNetwork
- GetSoftware
- GetCostTypeList
- GetARMPublisher

#### 3.2.1.3.6.2 MCLD Variables

The MCLD.Variables are further divided into two parts:

- Global
- ServiceCatalog

The value of variables under MCLD.variables.ServiceCatalog will only be available on UI templates associated with Service Catalog. Variables defined under MCLD.variables.Global are available on both requests(action Request or Create Request).

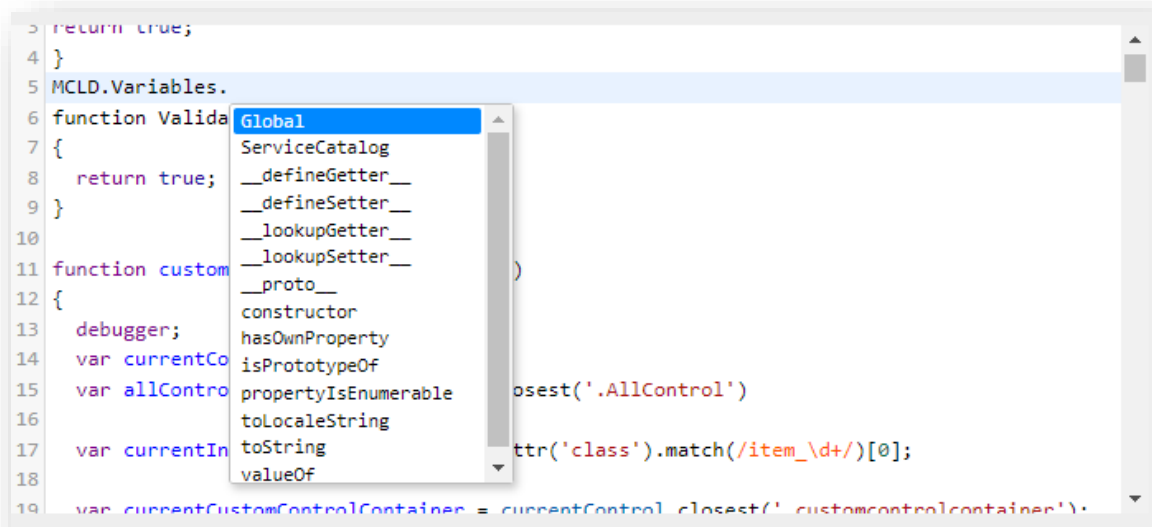


Figure 23 - Variable Categories

Available variables list is given blow.

Table 11 - MCLD Variables list

| Category       | Variable Name            | Details                                                                                                                                                                                       |
|----------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Global         | RegionName               | Region name in which catalog is published and associated with UI.                                                                                                                             |
|                | PlatformId               | Unique Id of Cloud Endpoint created in MyCloud                                                                                                                                                |
|                | OrganizationName         | Organization Name under which the catalog is published.                                                                                                                                       |
|                | OrganizationCode         | Unique Organization Code under which the catalog is published.                                                                                                                                |
|                | OrganizationEntityId     | Unique Organization entity created in MyCloud.                                                                                                                                                |
|                | LocationName             | Location Name in which catalog is published and associated with UI.                                                                                                                           |
|                | ProvisioningEndpointId   | It Contains different values based on the cloud provider.<br>ARM: It stores Subscription id of the provisioning endpoint<br>AWS: It stores Account ID<br>VMWAR/SCVMM: It Stores Platform name |
|                | ProvisioningEndpointName | Unique Endpoint name under which catalog is published.                                                                                                                                        |
|                | PlatformCode             | Unique Platform Code of Cloud Endpoint created in MyCloud                                                                                                                                     |
| ServiceCatalog | UserEntityId             | Unique User id created in MyCloud                                                                                                                                                             |
|                | ServiceCatalogId         | Unique Identifier of published service catalog in MyCloud.                                                                                                                                    |
|                | ServiceCatalogName       | Unique Name of published service catalog in MyCloud.                                                                                                                                          |
|                | CatalogEntityId          | Unique Identifier of catalogue in MyCloud.                                                                                                                                                    |

| Category | Variable Name | Details                              |
|----------|---------------|--------------------------------------|
|          | CatalogName   | Unique of catalogue name in MyCloud. |

### 3.2.2 View UI Template

This section lists all the UI Templates that have been created by the Provider user.

Refer to ***MyCloud Configuration Guide*** to know more about the steps.

### 3.2.3 Import UI Template

To import UI templates, the provider user needs to follow certain steps.

Refer to *MyCloud Configuration Guide* to understand the steps.

## 4 JavaScript Library

MyCloud has features to create dynamic UI where Users can create UI specific service request forms to capture information of cloud platforms like AWS, AZURE, GCP, SCVMM and VMWare. In UI service requests forms, a user has controls like Select, TextBox, TextArea etc. and to bind these controls, the user uses MyCloud's in-built JavaScript library. These functions help to bind Select controls.

The following table lists all the available JavaScript functions:

Table 12 - JavaScript Functions

| Method Name              | Short Description                                     | Applicable Platform |
|--------------------------|-------------------------------------------------------|---------------------|
| GetARMRegion             | To Get Azure Regions                                  | Azure               |
| GetARMResourceGroup      | To Get Azure Resource Groups                          | Azure               |
| GetARMVNet               | To Get Azure Virtual Network of Subscription          | Azure               |
| GetARMSubNet             | To Get Azure Subnets of Subscription                  | Azure               |
| GetARMPIP                | To Get Azure Public IP List for Subscription          | Azure               |
| GetARMAvailabilitySet    | Lists Azure Availability Set of subscription          | Azure               |
| GetARMLoadBalancer       | Lists Azure Load Balancers of Subscription            | Azure               |
| GetARMRecoveryVault      | Return Lists of Azure Recovery vault of Subscription  | Azure               |
| GetARMSize               | Return Lists of VM Sizes Applicable in Azure          | Azure               |
| GetARMDiskType           | Lists Type of Disk applicable in Azure                | Azure               |
| GETARMBACKUPPOLICY       | Lists Backup Policy of vault of an Azure Subscription | Azure               |
| GetARMStorageGroup       | Lists Storage Account of Azure Subscription           | Azure               |
| GetARMDisk               | Lists of Disk Applicable on Azure                     | Azure               |
| GetARMNIC                | Lists of NIC Applicable on Azure                      | Azure               |
| GetARMSnapshots          | To get Azure Snapshots                                | Azure               |
| GetOrgWiseARMSizeDetails | To Get organization and Region wise Size              | Azure               |
| GetARMIPConfiguration    | To Get ARM IP configuration details                   | Azure               |
| GetAWSRegion             | Returns AWS Applicable of AWS Regions                 | Amazon              |
| GetAWSAvailabilityZone   | Lists applicable Availability zone of region          | Amazon              |
| GetAWSVPC                | Lists Amazon VPC of subscription                      | Amazon              |
| GetAWSSubNet             | Lists Amazon Subnet of subscription                   | Amazon              |
| GetAWSEIP                | Returns list of Amazon Elastic IP of Subscription     | Amazon              |
| GetAWSInstanceType       | Returns List of Amazon Instance Types                 | Amazon              |
| GetAWSLoadBalancer       | Returns List of Amazon Load Balancers                 | Amazon              |
| GETAWSSECURITYGROUP      | Lists the AWS Security Group for Subscription         | Amazon              |
| GetAWSKeyPairs           | Lists AWS Key pairs of Region in a subscription       | Amazon              |

| Method Name                   | Short Description                                         | Applicable Platform |
|-------------------------------|-----------------------------------------------------------|---------------------|
| GETAWSEBS                     | Lists AWS EBS of Region for a specific subscription       | Amazon              |
| GetAWSNIC                     | Lists AWS Network Interface for a specific subscription   | Amazon              |
| GetAWSInstancesVMs            | Lists AWS Instance VM's for specific subscription         | Amazon              |
| GetAWSVPCID                   | Lists AWS VPC ID based on Subnet                          | Amazon              |
| GetAWSSnapshots               | To get Amazon Snapshots                                   | Amazon              |
| GetOrgWiseAWSSizeDetails      | To get organization and region wise size details          | Amazon              |
| GetServiceCategories          | Lists the Service categories for vCenter                  | vCenter             |
| GetVmwareCluster              | Lists vCenter Clusters specific to Datacenter             | vCenter             |
| GetVmwareHost                 | Lists vCenter Hosts for specific clusters                 | vCenter             |
| GetVmwareStorage              | Lists vCenter Storages based on vCenter Cluster           | vCenter             |
| GetVmwareResource             | Lists vCenter Resources pools based on Cluster            | vCenter             |
| GetVmwareNetwork              | Lists vCenter Network on basis of Cluster                 | vCenter             |
| GetVmwareDatacenter           | Lists vCenter Datacenter                                  | vCenter             |
| GetSize                       | Return Compute Categories (Sizes)                         | vCenter             |
| GetDataCenterClusterResource  | To get the vCenter Datacenter, Cluster and Resource Pool  | vCenter             |
| GetNetworkDetails             | Return the details for Network                            | vCenter             |
| GetScvmmCloud                 | Return the list of all Cloud of Hyper-v                   | SCVMM               |
| GetScvmmHost                  | Return the list of all Host of Hyper-v                    | SCVMM               |
| GetScvmmStorage               | Return lists of hyper v Storage based on Cloud or Host    | SCVMM               |
| GetScvmmNetwork               | Return the list of Hyper-V Networks                       | SCVMM               |
| GetGCPSize                    | Return the list of GCP sizes                              | GCP                 |
| GetGCPVpc                     | Return the list of GCP vpcs                               | GCP                 |
| GetGCPSubnet                  | Return the list of GCP Subnets                            | GCP                 |
| GetGCPRegion                  | Return the list of GCP regions                            | GCP                 |
| GetGCPZone                    | Return the list of GCP Zones                              | GCP                 |
| GetGCPCustomMachineTypes      | Return the list of Custom machine types                   | GCP                 |
| GetMemoryCpuInfoByMachineType | Return the detail of Memory and CPU based on Machine type | GCP                 |
| GetPlatformWiseGCPSizeDetails | Return the details of Size based on Zone                  | GCP                 |
| GetGCPDisk                    | Return the details of Disk                                | GCP                 |
| GetGCPPIP                     | Return the details of PIP                                 | GCP                 |

| Method Name                      | Short Description                                              | Applicable Platform |
|----------------------------------|----------------------------------------------------------------|---------------------|
| GetOrgWiseGCPSizeDetails         | Return the details of Size based on Organization and zone      | GCP                 |
| GetTemplateDetails               | Return details of Template                                     | Generic             |
| GetCustomTableRecords            | Return the list of Custom Table Records                        | Generic             |
| AddCustomTableRecords            | Insert new record into the Custom Table                        | Generic             |
| UpdateCustomTableRecords         | Update existing record in Custom Table                         | Generic             |
| GetCustomTableRecordsByTableName | Return the list of Custom Table Records based on Table Name    | Generic             |
| GetCIMasterSingleRow             | Return the CI data based on CI Id.                             | Generic             |
| GetCIMasterData                  | Return CI data based on Object ID and Object Type              | Generic             |
| GetUserInfo                      | Return current logged in user details                          | Generic             |
| GetUsersByOrganization           | Fetch all the users for Organization                           | Generic             |
| GetUserDependentDetails          | Fetch User hierarchical data                                   | Generic             |
| GetParameterByName               | Fetch Query Sting values                                       | Generic             |
| DecryptString                    | Decrypt encrypted values received from query string.           | Generic             |
| CalculateDecommissionDate        | Calculate decommission date based on specific period           | Generic             |
| GetSelectedValue                 | Fetch selected value of the control in Edit mode               | Generic             |
| GetPeriods                       | Return period details i.e., Day(s)/ Month(s)/ Week(s)/ Year(s) | Generic             |
| GetServicePlanLists              | Return service plan list i.e., Platinum                        | Generic             |
| GetPlatformWiseSizeDetails       | Return the details of Size based on region and platform        | Generic (ARM/AWS)   |

## 4.1 AZURE JavaScript Library

This section contains the list of all Azure JavaScript methods that is used in UI form to bind controls.

### 4.1.1 GetARMRegion (Azure Regions)

This method is used to return the list of regions of Azure provisioning platform created in MyCloud.

Method Signature:

GetARMRegion(regionName, controlId, async, callback, addlparam)

Sample Response:

```
[{"RegionEntityID":"REG-11994DF6-7063-4FED-9F9A-264CC6F6069E", "RegionName":"eastus", "ID":"4", "IsActive":"Y", "CityName":"","Longitude":"-"}]
```

```
79.8164","Latitude":"37.3719","DisplayName":"East
US","Createdby":"","CreateDate":"4/18/2019          10:25:20
AM","ModifyBy":"","ModifiedDate":"","IsDeleted":"N","IsSynced":"N","
PlatformCode":"ARM","text":"eastus"}]
```

Parameter Details:

Table 13 - GetARMRegion (Azure Regions)

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RegionName     | String   | N         | <p>If region name is passed, then details of the passed region will return.</p> <p>If blank "" is passed in this field, then all regions of end point will return.</p>                                                                                                                                                                                                                                                                                    |
| controlId      | String   | N         | <p>Id of "Select control" to be populated.</p> <p>If Id of Control of dynamic UI is passed, then control will be populated with values return from this function Else "Result set" will be returned in JSON format.</p>                                                                                                                                                                                                                                   |
| async          | Boolean  | N         | <p>In case it is False:</p> <p>Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete</p> <p>In case it is True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to the next statement.</p>                                                                                                                                  |
| callback       | Function | N         | User can pass function name that can get executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                  |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.1.2 GetARMResourceGroup (Azure Resource Groups)

This method is used to return the list of Azure resource groups in MyCloud.

Method Signature:

GetARMResourceGroup (regionName, resourceGroupName, controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"EntityID":"RES-02879754-56DA-4991-9017-CABC18F28D3D", "Name":"testvm104634", "ID":"36", "IsActive":"Y", "IsDefault":"N", "IsSYNCEnabled":"N", "PlatformEntityID":"ARM-EF5CA4B6-67BE-4B48-BA7C-5F6FC4DAEA3E", "RegionName":"eastus", "text":"testvm104634"}]
```

Parameter Details:

Table 14 – GetARMResourceGroup

| Parameter Name    | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                      |
|-------------------|----------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| regionName        | String   | Y         | Details of passed region's Resource Group are returned.                                                                                                                                                                                                                                          |
| resourceGroupName | String   | N         | If Resource Group Name is passed, then the details of passed Resource Groups are returned.<br>If blank "" is passed, then detail of all AZURE's Resource Group will return/bind to the control.                                                                                                  |
| controlId         | String   | N         | Id of 'Select' control to be populated.<br>If Id of Control of dynamic UI is passed, then control will be populated with values return from this function Else "Result set" will be returned in JSON format.                                                                                     |
| async             | Boolean  | N         | In case it is False:<br>Function is called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it is True:<br>Function is called asynchronously. Execution will not wait for method execution completion. It will jump to the next statement. |
| servicePlanId     | String   | N         | Service Plan ID is UNIQUE ID.                                                                                                                                                                                                                                                                    |
| callback          | Function | N         | User will pass function name that gets executed on completion of Parent function call.                                                                                                                                                                                                           |
| addlparam         | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties<br>filter/sortby/sortorder.<br><br>To Filter:                                                                                                                                                                  |

| Parameter Name | Type | Mandatory | Description                                                                                                                                                                                                                                                                                                           |
|----------------|------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |      |           | <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort by:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.1.3 GetARMVNet (Azure Virtual Network (VNet))

This method is used to return the list of Azure virtual network in MyCloud.

Method Signature:

GetARMVNet(regionName, vNetName, controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"EntityID":"NTW-06D2FCB6-DBDC-4DF7-9461-9DCD378A1E7D", "Name":"MyCloud-vnet", "ID":"3", "ActualIDonEnvironment":"da19a7cf-028d-430e-97be-a626f13ece02", "CustomField1":"","CustomField2":"","CustomField3":"","CustomField4":"","CustomField5":"","CustomField6":"","CustomField7":"","CustomField8":"","CustomField9":"","CustomField10":"","IsActive":"Y", "ResourceGroupName":"MyCloud", "RegionName":"eastus", "AddressSpace":"","PlatformEntityID":"ARM-EF5CA4B6-67BE-4B48-BA7C-5F6FC4DAEA3E", "text":"MyCloud-vnet"}]
```

Parameter Details:

Table 15 – GetARMVNet

| Parameter Name | Type   | Mandatory | Description                                                                                                                                                                      |
|----------------|--------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| regionName     | String | N         | <p>If region name is passed, then details of passed Region's VNet are returned.</p> <p>If blank "" are passed, then details of all AZURE's VNets return/bind to the control.</p> |
| vNetName       | String | N         | <p>If vNetName is passed, then details of passed VNet are returned.</p> <p>If blank "" is passed, then details of all AZURE's VNets return/bind to the control.</p>              |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of select control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                  |
| async          | Boolean  | N         | In case it's False:<br>Function is called in synchronous mode. i.e., Current execution waits for method execution to complete<br>In case it's True:<br>Function is called asynchronously. Execution will not wait for method execution completion. It will jump to the next statement.                                                                                                                                                   |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to the cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                                                                                                                                              |
| callback       | Function | N         | User can pass function name that gets executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                    |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output.<br>e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.1.4 GetARMSubNet (AZURE Subnets)

This method is used to return the list of Azure subnets in MyCloud.

Method Signature:

GetARMSubNet(vNetName, subNetName, controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"SubnetEntityID":"SUB-07752781-C3F5-4D0A-B4BD-0CF989B64756","SubnetName":"PublicSubnet2","ID":"19","VnetName":"Dry Ice","SubnetAddressPrefix":"xxx.xx.x.xx","IsActive":"Y","NSGEntityID"
```

```
": "", "PlatformEntityID": "ARM-EF5CA4B6-67BE-4B48-BA7C-5F6FC4DAEA3E", "RegionName": "eastus", "text": "PublicSubnet2"}]
```

#### Parameter Details:

Table 16 – GetARMSubNet

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                             |
|----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| vNetName       | String   | N         | If VNet name is passed, then details of passed VNet's Subnets are returned.<br>If blank "" is passed, then detail of all AZURE's Subnets return/bind to the control.                                                                                                                                                                    |
| subNetName     | String   | N         | If Subnet Name is passed, then details of passed Subnet are returned<br>If blank "" is passed, then detail of all AZURE's Subnets return/bind to the control.                                                                                                                                                                           |
| controlId      | String   | N         | Id of select control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                 |
| async          | Boolean  | N         | In case it's False:<br>Function is called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function is called asynchronously. Execution will not wait for method execution completion. It will jump to the next statement.                                          |
| servicePlanId  | String   | N         | Service Plan ID is Unique ID.                                                                                                                                                                                                                                                                                                           |
| callback       | Function | N         | User can pass function name that gets executed on completion of the Parent function call.                                                                                                                                                                                                                                               |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output.<br>e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order: |

| Parameter Name | Type | Mandatory | Description                                                                                |
|----------------|------|-----------|--------------------------------------------------------------------------------------------|
|                |      |           | To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.1.5 GetARMPiP (AZURE Public IP)

This method is used to return the list of Azure public IPs in MyCloud.

Method Signature:

GetARMPiP(regionName, pipName, controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"EntityID":"PIP-8B3D2A05-691A-4A05-A627-178BF631B5F6","PiPName":"DryIcePiP","ID":"5","PiPDNSName":"","IdleTimeOutInMin":"4","IsActive":"Y","IPAddress":"xxx.xx.x.xx","IPAllocationMethod":"Dynamic","IPAddressVersion":"IPv4","RegionName":"eastus","ActualIDOnEnvironment":"c04c3ba3-b2ec-4eb1-b4b1-9d562fbc9ee4","IsUsed":"Y","PlatformEntityID":"ARM-EF5CA4B6-67BE-4B48-BA7C-5F6FC4DAEA3E","text":"DryIcePiP"}]
```

Parameter Details:

Table 17 – GetARMPiP

| Parameter Name | Type    | Mandatory | Description                                                                                                                                                                                               |
|----------------|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| regionName     | String  | N         | If region name is passed, then details of passed region's Public IP are returned.<br>If blank "" is passed, then details of AZURE's Public IP returns/bind to the control.                                |
| pipName        | String  | N         | If Public IP is passed, then details of passed Public IP are returned.<br>If blank "" is passed, then details of AZURE's Public IP is returned/bind to the control.                                       |
| controlId      | String  | N         | Id of "Select control" to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format. |
| async          | Boolean | N         | In case it's False:<br>Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete<br>In case it's True:                                               |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |          |           | Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                                                                                                                                                                                                          |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                                                                                                                                                                   |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                   |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.1.6 GetARMAvailabilitySet (AZURE Availability Set)

This method is used to return the list of Azure Availability Set in MyCloud.

Method Signature:

GetARMAvailabilitySet(regionName, availabilitySetName, controlId, async, callback, addlparam)

Sample Response:

```
[{"EntityID":"AVS-37D9B48F-2ADA-4998-8364-57135B583066", "Name":"MyCloud-us-testing", "ID":"1", "ParentEntityTypeCode":"RES", "CreatedBy":"","IsActive":"Y", "ResourceGroupName":"MYCLOUDRG", "UpdateDomainCount":"5", "FaultDomainCount":"2", "IsManaged":"","PlatformEntityID":"ARM-EF5CA4B6-67BE-4B48-BA7C-5F6FC4DAEA3E", "RegionName":"eastus", "text":"MyCloud-us-testing"}]
```

Parameter Details:

Table 18 – GetARMAvailabilitySet

| Parameter Name      | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                        |
|---------------------|----------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| regionName          | String   | N         | <p>If region name is passed, then details of passed region's availability set are returned.</p> <p>If blank "" is passed, then detail of all AZURE's Availability Set will be returned/bind to the control.</p>                                                                                                    |
| availabilitySetName | String   | N         | <p>If availability set is passed, then details of passed availability set are returned.</p> <p>If blank "" is passed, then detail of all AZURE's Availability Set will be returned/bind to the control.</p>                                                                                                        |
| controlId           | String   | N         | <p>Id of 'Select' control to be populated.</p> <p>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.</p>                                                                                               |
| async               | Boolean  | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p> |
| Callback            | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                            |
| addlparam           | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p>                                                       |

| Parameter Name | Type | Mandatory | Description                                                                                                                                                                                       |
|----------------|------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |      |           | <p>To sort the data based on column name. e.g.,<br/>sortby="keyname"</p> <p>To Sort Order:<br/>To define sorting order either ASC (Ascending) or DESC<br/>(descending). e.g., sortorder="ASC"</p> |

#### 4.1.7 GetARMLoadBalancer (AZURE Load Balancer)

This method is used to return the list of Azure load balancer in MyCloud.

Method Signature:

GetARMLoadBalancer(regionName, loadBalancerName, controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"EntityID":"LB-CA0487D4-A16D-4B1B-AF0E-D978DC1326ED", "Name":"MyCloudLBtesting", "ID":"1", "IsActive":"Y", "ActualIdOnEnvironment":"d566e97b-3068-4dd5-b657-26dfadc4ae9a", "LBType":"","PlatformEntityID":"ARM-EF5CA4B6-67BE-4B48-BA7C-5F6FC4DAEA3E", "RegionName":"eastus", "ResourceGroupName":"MyCloudRG", "text":"MyCloudLBtesting"}]
```

Parameter Details:

Table 19 – GetARMLoadBalancer

| Parameter Name   | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| regionName       | String   | N         | <p>If region name is passed, then details of passed region's load balancer are returned.</p> <p>If blank "" is passed, then detail of all AZURE's load balancer will be returned/bind to the control.</p>                                                                                                                                                                                                                                                 |
| loadBalancerName | String   | N         | <p>If load balancer name is passed, then details of load balancer are returned.</p> <p>If blank "" is passed, then detail of all AZURE's load balancer will be returned/bind to the control.</p>                                                                                                                                                                                                                                                          |
| controlId        | String   | N         | <p>Id of 'Select' control to be populated.</p> <p>If Id Control of dynamic UI is passed, then control will be populated with values return from this function Else "Result set" will be returned in JSON format.</p>                                                                                                                                                                                                                                      |
| async            | Boolean  | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p>                                                                                                                                       |
| servicePlanId    | String   | N         | Service Plan ID is UNIQUE ID.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Callback         | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                   |
| addlparam        | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.1.8 GetARMRecoveryVault (AZURE Recovery Vault)

This method is used to return the list of Azure Recover Vault in MyCloud.

Method Signature:

GetARMRecoveryVault(regionName, recoveryVaultName, controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"EntityID":"ARSV-E1EF462C-F446-4711-AE25-C38A2C68B61E", "Name":"MyCloud-recovery-vault", "ID":"1", "ActualIDOnEnvironment":"MyCloud-recovery-vault", "RegionName":"eastus", "IsActive":"Y", "PlatformEntityID":"ARM-EF5CA4B6-67BE-4B48-BA7C-5F6FC4DAEA3E", "text":"MyCloud-recovery-vault"}]
```

Parameter Details:

Table 20 – GetARMRecoveryVault

| Parameter Name    | Type    | Mandatory | Description                                                                                                                                                                                                                                                                                                  |
|-------------------|---------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| regionName        | String  | N         | If region name is passed, then details of passed region's recovery vault are returned.<br><br>If blank "" passed, then detail of all AZURE's recovery vault will be returned/bind to the control.                                                                                                            |
| recoveryVaultName | String  | N         | If recovery vault is passed, then details of passed recovery vault are returned.<br><br>If blank "" are passed, then detail of all AZURE's Recovery Vault will be returned/bind to the control.                                                                                                              |
| controlId         | String  | N         | Id of 'Select' control to be populated.<br><br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                |
| async             | Boolean | N         | In case it's False:<br><br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br><br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| servicePlanId     | String  | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                      |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                       |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g.,<br/>sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.1.9 GetARMSize (AZURE Size)

This method is used to return the list of Azure standard sizes.

Method Signature:

GetARMSize(size, diskType, controlId, async, callback, addlparam)

Sample Response:

```
[{"EntityID":"SIZE-AFDBC29B-B0B4-43D2-A793-334E51DB6550","AzureRoleSize":"Standard_A0","SizeDescription":"Standard_A0 (CPUCores:1, Memory: 0.75 GB)","SizeID":"1","TierCode":"STD","CPUCores":"1","Memory":"0.75","MemoryUnit":"GB","DiskTypes":"OS,Temporary","DiskSizes":"1023,20","AdditionalDiskSizeINTB":"1","MaxNoOfDisksAllowed":"1","MaxIOPS":"","IOPSPerDISK":"","IsActive":"Y","Size":"A0","IsPremium":"N","text":"Standard_A0"}]
```

Parameter Details:

Table 21 – GetARMSize

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Size           | String   | N         | If Size is passed, then details of defined sizes are returned.<br>If blank "" is passed, then detail of all AZURE's Size will be returned/bind to the control.                                                                                                                                                                                                                                                                           |
| diskType       | String   | N         | If disk type is passed, then details of passed disk type are returned.<br>If blank "" is passed, then detail of all AZURE's Disk type will be returned/bind to the control.                                                                                                                                                                                                                                                              |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function Else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                         |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                  |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output.<br>e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.1.10 GetARMDiskType (AZURE Disk Type)

This method is used to return the list of Azure standard disk types.

Method Signature:

GetARMDiskType (size, diskTypes, controlId, async, callback)

Sample Response:

```
[{"Code": "HDD", "text": "Standard_LRS"}, {"Code": "SSD", "text": "Premium_LRS"}]
```

Parameter Details:

Table 22 – GetARMDiskType

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                             |
|----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Size           | String   | Y         | Details of passed Size' Disk type are returned.                                                                                                                                                                                                                                                         |
| diskTypes      | String   | N         | If disk type is passed, then details of passed disk type are returned.<br>If blank "" is passed, then detail of all AZURE's Disk type will be returned/bind to the control.                                                                                                                             |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                               |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously.<br>Execution will not wait for method execution completion. It will jump to next statement. |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                 |

#### 4.1.11 GetARMBackupPolicy (AZURE Backup Policy)

This method is used to return the list of backup policies of Azure platform created in MyCloud.

Method Signature:

GetARMBackupPolicy(recoveryVault, backupPolicyName, controlId, async, servicePlanId, callback, addIparam)

Sample Response:

```
[{"EntityID":"RBPP-F1139010-F70C-4570-A0F2-0B4A5EB2F86B","Name":"daily-backup","ID":"1","RecoveryVaultName":"MyCloud-recovery-vault","ActualIDOnEnvironment":"daily-backup","BackupFrequency":"Daily","BackupTime":"16:00:00","RetentionDailyBackup":"Y","RetentionDailyBackupPointForDays":"7","RetentionWeeklyBackup":"N","RetentionWeeklyBackupOn":"","RetentionWeeklyBackupAt":"","RetentionWeeklyBackupPointForWeeks":"12","RetentionMonthlyBackup":"N","RetentionMonthlyBackupBase":"","RetentionMonthlyBackupOn":"","RetentionMonthlyBackupDay":"","RetentionMonthlyBackupAt":"","RetentionMonthlyBackupPointForMonths":"60","RetentionYearlyBackup":"N","RetentionYearlyBackupBase":"","RetentionYearlyBackupIn":"","RetentionYearlyBackupOn":"","RetentionYearlyBackupDay":"","RetentionYearlyBackupAt":"","RetentionYearlyBackupPointForYears":"10","IsActive":"Y","PlatformEntityID":"ARM-EF5CA4B6-67BE-4B48-BA7C-5F6FC4DAEA3E","RegionName":"eastus","text":"daily-backup"}]
```

Parameter Details:

Table 23 – GetARMBackupPolicy

| Parameter Name   | Type    | Mandatory | Description                                                                                                                                                                                               |
|------------------|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| recoveryVault    | String  | Y         | Details of passed recovery vault's backup policy are returned.                                                                                                                                            |
| backupPolicyName | String  | N         | If backup policy is passed, then details of passed backup policy are returned.<br>If blank "" is passed, then detail of all AZURE's backup policy will be returned/bind to the control.                   |
| controlId        | String  | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format. |
| async            | Boolean | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:                                              |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |          |           | Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                                                                                                                                                                                                          |
| servicePlanId  | String   | N         | Service Plan ID is Unique ID.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                   |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.1.12 GetARMStorageGroup (AZURE Storage Groups)

This method is used to return the list of Azure Storage groups in MyCloud.

Method Signature:

GetARMStorageGroup(regionName, storageGroup, controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"EntityID":"STGA-CC57237B-C710-4BFF-8E2F-3C4168BEA138","Name":"cicdfacts","ID":"1","Label":"","URL":"","ParentEntityTypeCode":"RES","ReplicationCode":"","Status":"available","CreatedBy":"","IsActive":"Y","PrimaryKey":"","SecondaryKey":"","ResourceGroupName":"DryIce","IsPremium":"N","IsMaster":"N","PlatformEntityID":"ARM-EF5CA4B6-67BE-4B48-BA7C-5F6FC4DAEA3E","RegionName":"eastus","text":"cicdfacts"}]
```

Parameter Details:

Table 24 – GetARMStorageGroup

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| regionName     | String   | N         | <p>If region name is passed, then details of passed region's storage groups are returned.</p> <p>If blank "" is passed, then detail of all AZURE's storage group will be returned/bind to the control.</p>                                                                                                                                                                                                                                                |
| storageGroup   | String   | N         | <p>If storage group is passed, then details of passed Storage groups are returned.</p> <p>If blank "" is passed, then detail of all AZURE's Storage Group will be returned/bind to the control.</p>                                                                                                                                                                                                                                                       |
| controlId      | String   | N         | <p>Id of 'Select' control to be populated.</p> <p>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.</p>                                                                                                                                                                                                                                      |
| async          | Boolean  | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p>                                                                                                                                       |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                                                                                                                                                                   |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                   |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.1.13 GetARMDisk (AZURE Disk)

This method is used to return the list of Azure Disk in MyCloud.

Method Signature:

GetARMDisk(controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[
  {
    "EntityID": "DISK-AF6A8E01-E84F-42FE-B9C6-FC07B75F8B35",
    "DiskName":
"OSDRYICELQA1024 (/subscriptions/xxxxxx/resourceGroups/MYCLOUDRG/providers/Microsoft.Compute/disks/OSDRYICELQA1024)",
    "DiskID":
"/subscriptions/xxxxxx/resourceGroups/MYCLOUDRG/providers/Microsoft.
Compute/disks/OSDRYICELQA1024",
    "UniqueId": "8e39f1d9-559c-4daf-b6b0-33eec5a68f02",
    "Name": "OSDRYICELQA1024",
    "ResourceGroupName": "MYCLOUDRG",
    "Location": "eastus",
    "Tags": [{"Name": "MyCloudMachine"}, {"Owner": "AmitDw"}],
    "OsType": "Linux",
    "ProvisioningState": "Succeeded",
    "DiskSizeGB": 32,
    "DiskState": "Attached",
    "CreateOption": "FromImage",
    "ImageReferenceId":
"/Subscriptions/xxxxxx/Providers/Microsoft.Compute/Locations/eastus/
Publishers/REDHAT/ArtifactTypes/VMImage/Offers/RHEL/Skus/7-
RAW/Versions/7.7.2019090418",
    "DiskIOPSReadWrite": "500",
    "DiskMBpsReadWrite": "60",
    "DiskSizeBytes": 34359738368,
    "PlatformEntityID": "ARM-0C643BE0-0179-4CC5-8CE7-
94BEFC110454",
    "IsActive": "Y",
    "text": "OSDRYICELQA1024"
  }
]
```

Parameter Details:

Table 25 – GetARMDisk

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------|----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br><br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else<br><br>"Result set" will be returned in JSON format.                                                                                                                                                                                                                                  |
| async          | Boolean  | N         | In case it's False:<br><br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br><br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                          |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                                                                                                                                                               |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                               |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br><br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br><br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br><br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.1.14 GetARMNIC (AZURE NIC)

This method is used to return the list of Azure NIC in MyCloud.

Method Signature:

GetARMNIC(controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"EntityID": "NIC-33072E2C-ECF4-43F2-8697-3D13249A6796",
```

```

        "NICName": "NIC-nretestvm275-1 (/subscriptions/xxxxxx/resourceGroups/mycloud/providers/Microsoft.Network/networkInterfaces/NIC-nretestvm275-1)",
        "NICID": "/xxxxxx/resourceGroups/mycloud/providers/Microsoft.Network/networkInterfaces/NIC-nretestvm275-1",
        "ResourceGuid": "2b5e6963-b342-4c6a-8990-3f753cc4a78c",
        "Name": "NIC-nretestvm275-1",
        "ResourceGroupName": "mycloud",
        "Location": "eastus",
        "ProvisioningState": "Succeeded",
        "NicType": "Standard",
        "MacAddress": "",
        "VirtualMachineID": "",
        "NetworkSecurityGroup": "",
        "EnableAcceleratedNetworking": "false",
        "EnableIPForwarding": "false",
        "Primary": "",
        "PlatformEntityID": "ARM-DA66F200-A304-4D2B-8843-57518F1EABD3",
        "IsActive": "Y",
        "text": "NIC-nretestvm275-1"
    }
}

```

Parameter Details:

---

Table 26 – GetARMNIC

---

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                             |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                                                                                                                                               |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                               |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.1.15 GetARMSnapshots (AZURE Snapshots)

This method is used to return the list of Azure Snapshots in MyCloud.

Method Signature:

GetARMSnapshots (controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"EntityID": "SNAP-D7D42B90-AC8B-4E1E-886E-B9CC3595AE24",
  "Name": "test-snap-mycloud",
  "ResourceGroupName": "MYCLOUDRG",
```

```

        "SnapshotID":
"/subscriptions/xxxxxx/resourceGroups/MYCLOUDRG/providers/Microsoft.
Compute/snapshots/test-snap-mycl",
        "Location": "eastus",
        "Tags":      [{"Purpose":      "Failover_AMI"}, {"Owner":
""}, {"Expiry": "No"}],
        "SkuName": "Standard_ZRS",
        "SkuTier": "Standard",
        "ProvisioningState": "Succeeded",
        "DiskSizeGB": 32,
        "DiskState": "Unattached",
        "CreateOption": "Copy",
        "text": "test-snap-mycl",
        "SourceResourceId":
"/subscriptions/xxxxxx/resourceGroups/MYCLOUDRG/providers/Microsoft.C
ompute/disks/DRYICELQA1024-DataDisk-0",
        "EncryptionType": "EncryptionAtRestWithPlatformKey",
        "Incremental": "false",
        "networkAccessPolicy": "AllowAll",
        "DiskSizeBytes": 34359738368
    }
}

```

Parameter Details:

---

Table 27 – GetARMSnapshot

---

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------|----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                             |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                                  |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                                                                                                                                                               |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                               |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br><br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br><br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br><br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.1.16 GetOrgWiseARMSizeDetails(AZURE Size )

This method is used to return the list of Azure Size based on Organization and region in MyCloud.

Method Signature:

GetOrgWiseARMSizeDetails(Region, controlId, async, callback, addlparam)

Sample Response:

```
[{"SizeID": 110,
  "Size": "D32s_v3",
  "TierCode": "STD",
```

```

    "CPU": "32",
    "Memory": 128.00,
    "MemoryUnit": "GB",
    "DiskTypes": "OS,Temporary",
    "DiskSizes": "1023,256",
    "SizeDescription": "Standard_D32s_v3 (CPUCores:32,
Memory: 128.00 GB)",
    "SizeName": "Standard_D32s_v3",
    "AdditionalDiskSizeINTB": 1,
    "MaxNoOfDisksAllowed": 32,
    "MaxIOPS": null,
    "IOPSPerDISK": null,
    "EntityID": "SIZE-1F2168A8-57CE-4F3D-92F0-F515C24E5E30",
    "IsPremium": "N",
    "ARMRegionSizeID": 1832,
    "ARMSizeID": 110,
    "ARMSizeName": "Standard_D32s_v3",
    "Tier": "Standard",
    "Family": "standardDSv3Family",
    "Region": "AustraliaCentral",
    "Zones": "[]",
    "MaxResourceVolumeMB": 262144,
    "OSVhdSizeMB": 1047552,
    "vCPUs": 32,
    "HyperVGenerations": "V1,V2",
    "MemoryGB": 128.0,
    "MaxDataDiskCount": 32,
    "LowPriorityCapable": "TRUE",
    "PremiumIO": "TRUE",
    "VMDeploymentTypes": "IaaS",
    "CombinedTempDiskAndCachedIOPS": 64000,
    "CombinedTempDiskAndCachedReadBytesPerSecond":
536870912,
    "CombinedTempDiskAndCachedWriteBytesPerSecond":
536870912,
    "UncachedDiskIOPS": 51200,
    "UncachedDiskBytesPerSecond": 805306368,

```

```
    "EphemeralOSDiskSupported": "TRUE",  
    "EncryptionAtHostSupported": "TRUE",  
    "AcceleratedNetworkingEnabled": "TRUE",  
    "RdmaEnabled": "FALSE",  
    "MaxNetworkInterfaces": 8,  
    "text": "D32s_v3"  
  }  
}
```

Parameter Details:

Table 28 - GetOrgWiseARMSizeDetails

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------|----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Region         | String   | Y         | If region is passed, then details of passed region are returned.                                                                                                                                                                                                                                                                                                                                                                                      |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                             |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                                  |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                               |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br><br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br><br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br><br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.1.17 GetARMIPConfigurations (AZURE IP Configuration)

This method is used to return the list of Azure IP Configuration in MyCloud.

Method Signature:

GetARMIPConfigurations(controlId, async, callback, addlparam)

Sample Response:

```
[{"EntityID": "IPCONFIG-B984DC47-0467-44A3-BE3F-4D8C4AE49FAC",
  "Name": "MyCloudRG",
```

```

        "ResourceGroupName":
"/subscriptions/xxxxxx/resourceGroups/MyCloudRG/providers/Microsoft.
Network/networkInterfaces/NIC-
DRYICELQA1024/ipConfigurations/IPConfigName-NIC-DRYICELQA1024",
        "NicResourceGuid":                "29948fe1-1c6a-4fb3-9256-
8dd96d197bf9",
        "NicName": "NIC-DRYICELQA1024",
        "IpConfigurationID":              "W/\"23e60afd-f73f-4f44-9d42-
a5d0cd2a23e0\\\"",
        "Etag": "Succeeded",
        "PrivateIPAddress": "Dynamic",
        "PrivateIPAllocationMethod":
"/subscriptions/xxxxxx/resourceGroups/MyCloudRG/providers/Microsoft.N
etwork/virtualNetworks/MyCloudRG-vnet/subnets/default",
        "SubnetID": "true",
        "Primary": "IPv4",
        "PrivateIPAddressVersion": "Y",
        "text": "MyCloudRG"
    },
    {
        "EntityID":                "IPCONFIG-C07DD5B6-16DD-46B2-9CAE-
70DF7E658B28",
        "Name": "mycloud",
        "ResourceGroupName":
"/subscriptions/xxxxxx/resourceGroups/mycloud/providers/Microsoft.Ne
twork/networkInterfaces/NIC-nretestvm275-
1/ipConfigurations/IPConfigName-NIC-nretestvm275-1",
        "NicResourceGuid":                "2b5e6963-b342-4c6a-8990-
3f753cc4a78c",
        "NicName": "NIC-nretestvm275-1",
        "IpConfigurationID":              "W/\"07eadce1-2f04-4103-928f-
3662ade45ae2\\\"",
        "Etag": "Succeeded",
        "PrivateIPAddress": "Dynamic",
        "PrivateIPAllocationMethod":
"/subscriptions/xxxxxx/resourceGroups/DryIce/providers/Microsoft.Net
work/virtualNetworks/DryIce/subnets/PrivateSubnet1",

```

```

        "SubnetID": "true",
        "Primary": "IPv4",
        "PrivateIPAddressVersion": "Y",
        "text": "mycloud"
    }
}

```

Parameter Details:

Table 29- GetARMIPConfiguration

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                 |
| Async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                       |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                   |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

## 4.2 CISCO Intersight JavaScript Library

This section contains the list of all CISCO Intersight JavaScript methods that is used in UI form to bind controls. Complete list of all JavaScript functions is available in the UI intellisense `MCLD.Functions.CiscoIntersight`.

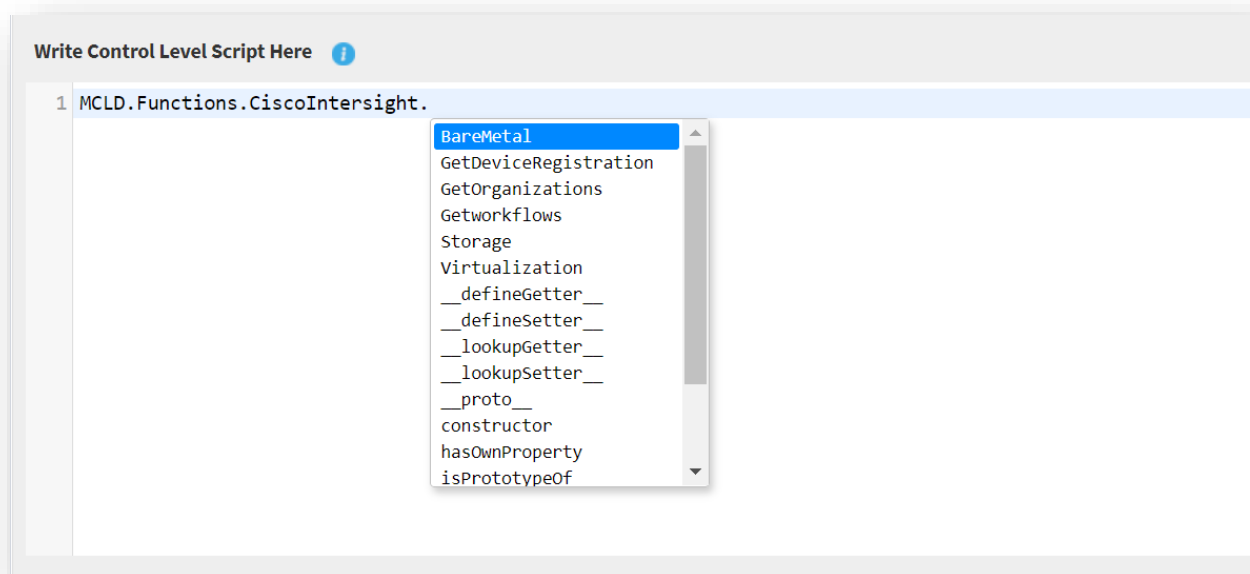


Figure 24 - MCLD.Functions.CiscoIntersight Screen

### 4.2.1 Virtualization

Complete list of all JavaScript functions is available in the UI intellisense `MCLD.Functions.CiscoIntersight.Virtualization`

#### 4.2.1.1 GetTargets

This method is used to return the list of targets of Cisco Intersight created in MyCloud.

Method Signature:

`GetTargets (organizationMoid, controlId, async, callback, addlparam)`

Sample Response:

```
{  "totalRecords": 1,  "records": [    {      "moid": "xxxxxx",      "name": "xxx.xx.xxx.xx",      "entityId": "CICOT-614CF237-057E-4B3A-A9BC-551E6976ABA8",      "objectType": "asset.Target",      "classId": "asset.Target",      "status": "Connected",      "ipAddress": [        "xxx.xx.xxx.xx"      ],      "externalIpAddress": "xxx.xx.xxx.xx",      "productId": [        "VMware vCenter Server 7.0.3 build-18778458"      ],      "description": " xxx.xx.xxx.xx ",      "organizations": []    }  ]}
```

Parameter Details:

Table 30 – GetTargets

| Parameter Name   | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationmoid | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                      |
| controlld        | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                             |
| async            | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| callback         | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                               |
| addlparam        | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.2.1.2 GetResourceGroups

This method is used to return the list of GetResourceGroups of Cisco Intersight created in MyCloud.

Method Signature:

GetResourceGroups (organizationMoid, controlld, async, callback, addlparam)

Sample Response:

```
{
  "totalRecords": 1,
  "records": [
    {
      "moid": "xxxxxxx",
      "name": "default",
      "entityId": "CICORG-8A3942DA-9237-48FA-906E-7255095E7FA7",
      "objectType": "resource.Group",
      "classId": "resource.Group",
      "description": "The Default Resource Group...",
      "tags": "",
      "organizations": [
        {
          "name": "default",
          "moid": "xxxxxxx"
        }
      ]
    }
  ]
}
```

Parameter Details:

Table 31 – GetResourceGroups

| Parameter Name   | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                   |
| controlId        | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will bse populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                         |
| async            | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                   |
| callback         | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                            |
| addlparam        | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.2.1.3 GetClusters

This method is used to return the list of Clusters of Cisco Intersight created in MyCloud.

Method Signature:

GetClusters (organizationMoid, controlId, async, callback, addlparam)

Sample Response:

```
{  "totalRecords": 1,  "records": [    {      "moid": "xxxxxxx",      "name": "ComputeGold-DR-Pro",      "entityId": "CL-22F0428E-A516-4B2E-86FF-E3B9118B35C3",      "objectType": "virtualization.VmwareCluster",      "classId": "virtualization.VmwareCluster",      "hypervisorType": "ESXi",      "hypervisorVersion": "7.0.1",      "inventoryPath": "/VMWPOD-PROD/host/ComputeGold-DR-Pro",      "memoryCapacityInBytes": 0,      "memoryFreeInBytes": 0,      "memoryUsedInBytes": 0,      "status": "Ok",      "tags": "",      "totalCores": 0,      "processorCapacityInMhz": 0,      "processorFreeInMhz": 0,      "processorUsedInMhz": 0,      "dataCenter": {        "name": "VMWPOD-PROD",        "moid": "xxxxxxx"      },      "organizations": [        {          "name": "default",          "moid": "xxxxxxx"        }      ]    }  ] }
```

Parameter Details:

Table 32 – GetClusters

| Parameter Name | Type    | Mandatory | Description                                                                                                                                                                                                                                                                                          |
|----------------|---------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| dataCenterMoid | String  | N         | To filter the list on specific dataCenterMoid.                                                                                                                                                                                                                                                       |
| controlId      | String  | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values returned from this function else "Result set" will be returned in JSON format.                                                                                          |
| async          | Boolean | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                   |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.2.1.4 GetDataStores

This method is used to return the list of GetDataStores of Cisco Intersight created in MyCloud.

Method Signature:

GetDataStores ( hostMoid, dataCenterMoid, controlId, async, callback, addlparam)

Sample Response:

```
{  "totalRecords": 1,  "records": [    {      "moid": "xxxxxxx",
"name": "Anthos",      "entityId": "DS-473276D3-E4E6-4B29-8FAD-1F2A7A1DC28D",
"objectType": "virtualization.VmwareDatastore",
"classId": "virtualization.VmwareDatastore",      "description":
"Anthos",      "inventoryPath":  "/SDIDC/datastore/Anthos",
"multipleHostAccess": 1,      "maintenanceMode": 0,      "status":
"Ok",      "tags": "",      "thinProvisioningSupported": 1,      "type":
"NFS",      "url":  "ds:///vmfs/volumes/d4985e8d-f0a4344e/",
"hostCount": 3,      "vmCount": 11,      "vmTemplateCount": 0,
"capacityInBytes":  "3298534883328",      "freeCapacityInBytes":
1272439115776,      "usedCapacityInBytes":  2026095767552,
"dataCenter": {      "name": "SDIDC",      "moid": "xxxxxxx"    },
"hosts": [    {      "name": " xxx.xx.x.xx ",      "moid":
"xxxxxxx"    },    {      "name": " xxx.xx.x.xx ",
"moid": "xxxxxxx"    },    {      "name": " xxx.xx.x.xx

```

```
"", "moid": "xxxxxxx" } ], "organizations":
[ { "name": "default", "moid":
"xxxxxxx" } ] } ]}'
```

Parameter Details:

Table 33 – GetDataStores

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------|----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| hostMoid       | String   | N         | To filter the list on specific hostMoid.                                                                                                                                                                                                                                                                                                                                                                                      |
| dataCenterMoid | String   | N         | To filter the list on specific dataCenterMoid.                                                                                                                                                                                                                                                                                                                                                                                |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values returned from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                   |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                              |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                       |
| Addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.2.1.5 GetDataCenters

This method is used to return the list of GetDataCenters of Cisco Intersight created in MyCloud.

Method Signature:

GetDataCenters (vcenterMoid, controlId, async, callback, addlparam)

Sample Response:

```
{ "totalRecords": 1, "records": [ { "moid": "xxxxxxx", "name": "SDIDC", "entityId": "DC-931EAF83-BAFC-4CB6-98F4-5FB9E628E019", "objectType": "virtualization.VmwareDatacenter", "classId": "virtualization.VmwareDatacenter", "description": "SDIDC", "inventoryPath": "/SDIDC", "networkCount": 28, "clusterCount": 2, "hostCount": 5, "datastoreCount": 20, "vmCount": 156, "vmTemplateCount": 3, "tags": "", "vcenter": { "name": "VMware vCenter Server", "moid": "xxxxxxx" }, "organizations": [ { "name": "default", "moid": "xxxxxxx" } ] ] }
```

Parameter Details:

Table 34 – GetDataCenters

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                      |
|----------------|----------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| vcenterMoid    | String   | N         | To filter the list on specific vcenterMoid.                                                                                                                                                                                                                                                      |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values returned from this function else "Result set" will be returned in JSON format.                                                                                      |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                          |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"                                                                    |

| Parameter Name | Type | Mandatory | Description                                                                                                                                                                                                         |
|----------------|------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |      |           | <p>To Sort By:</p> <p>To sort the data based on column name. e.g.,<br/>sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.2.1.6 GetDistributedSwitches

This method is used to return the list of GetDistributedSwitches of Cisco Intersight created in MyCloud.

Method Signature:

GetDistributedSwitches (dataCenterMoid, controlId, async, callback, addlparam)

Sample Response:

```
{
  "totalRecords": 1,
  "records": [
    {
      "moid": "xxxxxxx",
      "name": "VDS-PROD",
      "entityId": "DSW-02B4B811-BCCD-4FCB-8CED-15FE897B1557",
      "objectType": "virtualization.VmwareDistributedSwitch",
      "classId": "virtualization.VmwareDistributedSwitch",
      "maxPort": 2147483647,
      "mtu": 9000,
      "numHosts": 3,
      "numNetworks": 8,
      "numStandAlonePorts": 74,
      "numUplinks": 6,
      "switchCapacity": {
        "capacity": 0,
        "classId": "virtualization.StorageCapacity",
        "free": 0,
        "objectType": "virtualization.StorageCapacity",
        "used": 0
      },
      "tags": "",
      "version": "7.0.0",
      "dataCenter": {
        "name": "VMWPOD-PROD",
        "moid": "xxxxxxx"
      },
      "organizations": [
        {
          "name": "default",
          "moid": "xxxxxxx"
        }
      ]
    }
  ]
}
```

Parameter Details:

Table 35 – GetDistributedSwitches

| Parameter Name | Type   | Mandatory | Description                                    |
|----------------|--------|-----------|------------------------------------------------|
| dataCenterMoid | String | N         | To filter the list on specific dataCenterMoid. |
| controlId      | String | N         | Id of 'Select' control to be populated.        |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |          |           | If Id Control of dynamic UI is passed, then control will be populated with values returned from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                                                                          |
| async          | Boolean  | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p>                                                                                                                                       |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                   |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.2.1.7 GetDistributedNetworks

This method is used to return the list of GetDistributedNetworks of Cisco Intersight created in MyCloud.

Method Signature:

GetDistributedNetworks (distributedSwitchMoid, controlId, async, callback, addlparam)

Sample Response:

```
{
  "totalRecords": 1,
  "records": [
    {
      "moid": "xxxxxxx",
      "name": "common|Cloud_Infra_Mgmt|Cv-HyperScale1",
      "entityId": "DNTW-47EDF60C-95D3-4F8A-9129-BEC409ABCB79",
      "objectType": "virtualization.VmwareDistributedNetwork",
      "classId": "virtualization.VmwareDistributedNetwork",
      "description": ""
    }
  ]
}
```

```
"common|Cloud_Infra_Mgmt|Cv-HyperScale1",          "numPorts": 0,
"vlanType": "VLAN",          "hosts": [          {          "name":
"172.17.152.82",          "moid":  "xxxxxxx"          },
{          "name":  "  xxx.xx.x.xx  ",          "moid":
"xxxxxxx"          }          ],          "distributedSwitch": {          "name":
"VEL-VMM4",          "moid":  "xxxxxxx"          },          "organizations":
[          {          "name":  "default",          "moid":
"xxxxxx"          }          ]          }  ]}'
```

Parameter Details:

|                                   |
|-----------------------------------|
| Table 36 – GetDistributedNetworks |
|-----------------------------------|

| Parameter Name        | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------|----------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| distributedSwitchMoid | String   | N         | To filter the list on specific distributedSwitchMoid.                                                                                                                                                                                                                                                                                                                                                                                                    |
| controlId             | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values returned from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                              |
| async                 | Boolean  | N         | In case it's False:<br><br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br><br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                             |
| Callback              | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                  |
| addlparam             | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties<br>filter/sortby/sortorder.<br><br>To Filter:<br><br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br><br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br><br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.2.1.8 GetClusterStorages

This method is used to return the list of GetClusterStorages of Cisco Intersight created in MyCloud.

Method Signature:

GetClusterStorages (dataCenterMoid, controlId, async, callback, addlparam)s

Sample Response:

```
{ "totalRecords": 1, "records": [ { "moid": "xxxxxxx", "name": "Netapp_Storage Cluster01", "entityId": "DCCS-9B4F02A5-AF34-44DD-AB72-
```

```
848F608297A0","objectType":"virtualization.VmwareDatastoreCluster","
classId":"virtualization.VmwareDatastoreCluster","description":"Neta
pp_StorageCluster01","inventoryPath":"/VMWPOD-
PROD/datastore/Netapp_StorageCluster01","status":"Ok","tags":"","typ
e":"VMFS","url":"","ioLatencyThreshold":15,"ioLoadBalanceAutomationM
ode":"Use                                cluster
settings","ioMetricsEnabled":1,"reservablePercentThreshold":60,"rule
EnforcementAutomationMode":"Use                                cluster
settings","sharedScope":"","spaceLoadBalanceAutomationMode":"Use
cluster
settings","spaceThresholdMode":"utilization","storageDrsEnabled":0,"
utilizedSpaceThreshold":80,"hostCount":3,"vmCount":0,"datastoreCount
":2,"vmTemplateCount":0,"capacityInBytes":214211493888,"freeCapacity
InBytes":211191595008,"usedCapacityInBytes":3019898880,"dataCenter":
{"name":"VMWPOD-PROD","moid":"xxxxx"},"organizations":[]}]}
```

#### Parameter Details:

Table 37 – GetClusterStorages

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                      |
|----------------|----------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| dataCenterMoid | String   | N         | To filter the list on specific dataCenterMoid.                                                                                                                                                                                                                                                   |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values returned from this function else "Result set" will be returned in JSON format.                                                                                      |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                          |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br>To Filter:                                                                                                                                                                      |

| Parameter Name | Type | Mandatory | Description                                                                                                                                                                                                                                                                                                           |
|----------------|------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |      |           | <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.2.1.9 GetTemplates

This method is used to return the list of GetTemplates of Cisco Intersight created in MyCloud.

Method Signature:

GetTemplates (organizationMoid, controlId, async, callback, addlparam)

Sample Response:

```
{ "totalRecords": 1, "records": [ { "name": "P_VMW_CetOS8_V1",
"moid": "xxxxxx", "type": "", "osCode": " ", "maxCpu":
"1", "maxMemory": "4096", "username": "", "status":
"NEW", "guestOsProfile": "CentOS 8 (64-bit)", "description":
"P_VMW_CetOS8_V1", "inventoryPath": "/VMWPOD-
PROD/vm/Templates/P_VMW_CetOS8_V1", "dataCenter": { "name":
"VMWPOD-PROD", "moid": "xxxxxxx" }, "cluster":
{ "name": "Management-PROD", "moid": "xxxxxxx" },
"host": { "name": "nvwesx008.dryicelabs.com", "moid":
"xxxxxx" }, "organizations": [ { "name":
"default", "moid": "xxxxxx" } ] } ] }
```

Parameter Details:

Table 38 – GetTemplates

| Parameter Name   | Type   | Mandatory | Description                                                                                                                                                                                                            |
|------------------|--------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid | String | N         | To filter the list on specific organizationMoid.                                                                                                                                                                       |
| controlId        | String | N         | <p>Id of 'Select' control to be populated.</p> <p>If Id Control of dynamic UI is passed, then control will be populated with values returned from this function else "Result set" will be returned in JSON format.</p> |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| async          | Boolean  | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p>                                                                                                                                       |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                   |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.2.1.10 GetVcenter

This method is used to return the list of GetVcenter of Cisco Intersight created in MyCloud.

Method Signature:

GetVcenter (controlId, async, callback, addlparam)

Sample Response:

```
{  "totalRecords": 1,  "records": [    {      "moid": "xxxx",
"name": "VMware vCenter Server",      "entityId": "CICOVC-94F8E738-
453B-4C2E-B2C6-567B05C43B52",      "objectType":
"virtualization.VmwareVcenter",      "classId":
"virtualization.VmwareVcenter",      "description": "VMware vCenter
Server",      "registeredDeviceMoid": "xxxxx",      "sharedScope":
"",      "version": "7.0.3",      "tags": "",      "organizations":
```

```
[ { "name": "default", "moid": "xxxxxx" } ] }
```

Parameter Details:

Table 39 – GetVcenter

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------|----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values returned from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                   |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                              |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                       |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.2.1.11 GetFolder

This method is used to return the list of GetFolder of Cisco Intersight created in MyCloud.

Method Signature:

GetFolder (controlId, async, callback, addlparam)

Sample Response:

```
{  "totalRecords": 1,  "records": [    {      "moid": "xxxxxx",      "name": "Datacenters",      "entityId": "CICOFD-444CE66D-1E29-480E-AB48-7DB6D892850C",      "objectType": "virtualization.VmwareFolder",      "classId": "virtualization.VmwareFolder",      "description": "Datacenters",      "datacenter": "",      "vmwareVcenterMoid": "xxxxxx",      "registeredDeviceMoid": "xxxxxx",      "identityFolder": "Foldergroup-d1",      "internalFolder": true,      "inventoryPath": "",      "sharedScope": "",      "typeofFolder": "VcenterFolder",      "vmwareFolder": "",      "tags": "",      "organizations": []    }  ]}
```

Parameter Details:

Table 40 – GetFolder

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                           |
|----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values returned from this function else "Result set" will be returned in JSON format.                                                                                                           |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                  |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                               |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname" |

| Parameter Name | Type | Mandatory | Description                                                                                                  |
|----------------|------|-----------|--------------------------------------------------------------------------------------------------------------|
|                |      |           | To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.2.1.12 GetHosts

This method is used to return the list of GetHosts of Cisco Intersight created in MyCloud.

Method Signature:

GetHosts (clusterMoid, controlId, async, callback, addlparam)

Sample Response:

```
{  "totalRecords": 1,  "records": [    {      "moid": "xxxxxx",
"name": " xxx.xx.x.xx ",      "entityId": "HOST-F2FC3CB0-9893-4BB3-
83E6-2F94218B1C8A",      "objectType": "virtualization.VmwareHost",
"classId":  "virtualization.VmwareHost",      "description":
"172.17.152.71",      "connectionState": "connected",      "cpuCores":
28,      "cpuSockets": 2,      "cpuSpeed": 2194,      "dnsServers":
[      "8.8.8.8"      ],      "memorySize": 410874724352,
"hwPowerState":  "PoweredOn",      "hypervisorType":  "ESXi",
"isSSHEnabled": 1,      "maintenanceMode": 0,      "model": "HX220C-
M5SX",      "nptServers": [      " xxx.xx.x.xx "      ],      "serial":
"WZP22330FVR",      "storageAdapterCount": 2,      "tags": "",
"vendor": "Cisco Systems Inc",      "cpuConsumedInHZ": 13159,
"memoryConsumedInBytes": 126914,      "cluster": {      "name":
"HXCLUSTER",      "moid": "xxxxxxx"      },      "organizations":
[      {      "name": "default",      "moid":
"xxxxxxx"      }      ]      }    ]  ] }
```

Parameter Details:

Table 41 – GetHosts

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| clusterMoid    | String   | N         | To filter the list on specific clusterMoid.                                                                                                                                                                                                                                                                                                                                                                                           |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values returned from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                           |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                               |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.2.2 BareMetal

Complete list of all JavaScript functions is available in the UI intellisense MCLD.Functions.CiscoIntersight.BareMetal

##### 4.2.2.1 GetProfileTemplate

This method is used to return the list of GetProfileTemplate of Cisco Intersight created in MyCloud.

Method Signature:

GetProfileTemplate (organizationMoid, controlId, async, callback, addlparam)

Sample Response:

```
{
  "totalRecords": 1,
  "records": [
    {
      "moid": "xxxxxx",
      "name": "BMA_Service_Profile_Template",
      "entityId": "CICOPT-BA0C3622-C027-47B5-B080-6FAC91B4CE47",
      "objectType": "server.ProfileTemplate",
      "classId": "server.ProfileTemplate",
      "description": "This service profile template is used to configure the standalone C240 server",
      "usage": "3",
      "tags": "",
      "organizations": []
    }
  ]
}
```

Parameter Details:

Table 42 – GetProfileTemplate

| Parameter Name   | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------|----------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                           |
| controlId        | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values returned from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                |
| async            | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                           |
| Callback         | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                    |
| addlparam        | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.2.2.2 GetScUtilityDistributable

This method is used to return the list of GetScUtilityDistributable of Cisco Intersight created in MyCloud.

Method Signature:

GetScUtilityDistributable (organizationMoid, controlId, async, callback, addlpar

Sample Response:

```
{ "totalRecords": 3, "records": [ { "moid": "xxxxxxx", "name": "SCU 6.1 (3c) M5  
B200", "entityId": "CICOSCU-3E45F61B-BBF7-45F6-9B0C-  
898E56D7862A", "objectType": "firmware.ServerConfigurationUtilityDistributable", "classId": "firmware.ServerConfigurationUtilityDistributable", "description": "", "vendor": "Cisco", "version": "6.1 (3c)", "fileLocation": "xxx.xx.x.xx", "sourceJson": { "ClassId": "softwarerepository.CifsServer", "FileLocation": "xxx.xx.x.xx", "IsPasswordSet": true, "MountOption": "none", "ObjectType": "softwarerepository.CifsServer", "RemoteFile": "ucs-cxxx-scu-6.1.3c.iso", "RemoteIp": "xxx.xx.x.xx", "RemoteShare": "/SoftwareRepo/", "Username": "noicldhcl\\\\administrator", "supportedModels": ["M5B200"], "tags": "", "organizations": [] }, { "moid": "xxxxxxx", "name": "ucs-cxxx-scu-6.2.1c", "entityId": "CICOSCU-01FFC404-F2BF-446B-AAC4-EAAB2618D39C", "objectType": "firmware.ServerConfigurationUtilityDistributable", "classId": "firmware.ServerConfigurationUtilityDistributable", "description": "", "vendor": "Cisco", "version": "6.2.1c", "fileLocation": "xxx.xx.x.xx", "sourceJson": { "ClassId": "softwarerepository.CifsServer", "FileLocation": "xxx.xx.x.xx", "IsPasswordSet": true, "MountOption": "\\\\", "RemoteFile": "ucs-cxxx-scu-6.2.1c.iso", "RemoteIp": "xxx.xx.x.xx", "RemoteShare": "/SoftwareRepo/", "Username": "noicldhcl\\\\administrator", "supportedModels": ["M6C240"], "tags": "", "organizations": [] }, { "moid": "xxxxxxx", "name": "C240 SCUHTTP", "entityId": "CICOSCU-2B02A41C-28C9-4021-9C6F-955D0E5B35A4", "objectType": "firmware.ServerConfigurationUtilityDistributable", "classId": "firmware.ServerConfigurationUtilityDistributable", "description": "", "vendor": "Cisco", "version": "6.2", "fileLocation": "", "sourceJson": { "ClassId": "softwarerepository.HttpServer", "IsPasswordSet": true, "LocationLink": "xxx.xx.x.xx", "ObjectType": "softwarerepos
```

```
itory.HttpServer", "Username": "noicldhcl\\\\administrator"}, "supportedModels": ["C240 M6"], "tags": "", "organizations": []}]}
```

Parameter Details:

Table 43 – GetScUtilityDistributable

| Parameter Name   | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------|----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                              |
| controlId        | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values returned from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                   |
| async            | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                              |
| Callback         | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                       |
| addlparam        | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.2.2.3 GetPhysicalSummary

This method is used to return the list of GetPhysicalSummary of Cisco Intersight created in MyCloud.

Method Signature:

GetPhysicalSummary (organizationMoid, controlId, async, callback, addlparam)

Sample Response:

```
{  "totalRecords": 1,  "records": [    {      "moid": "xxxxxxx",  
      "name": "VEL-FI-A-1",      "entityId": "CICOPS-905D969D-E495-46FF-  
9B73-9DA24420E4FE",      "objectType": "compute.PhysicalSummary",  
      "classId": "compute.PhysicalSummary",      "description": "VEL-FI-A-  
1",      "vendor": "Cisco Systems Inc",      "serial": "WZP22330FVR",  
      "totalMemory": 393216,      "availableMemory": 393216,  
      "firmwareVersion": "4.0(41)",      "cimcipAddress": " xxx.xx.x.xx ",  
      "kvmIpAddressJson": [        {          "Address": " xxx.xx.x.xx ",  
          "Category": "ServiceProfile",          "ClassId": "compute.IpAddress",  
          "DefaultGateway": " xxx.xx.x.xx ",          "Dn": "sys/rack-unit-  
1/mgmt/ipv4-prof-addr",          "HttpPort": 80,          "HttpsPort":  
443,          "KvmPort": 2068,          "KvmVlan": 0,          "Name":  
"Outband",          "ObjectType": "compute.IpAddress",          "Subnet":  
"255.255.255.0",          "Type": "VnicIPv4ProfDerivedAddr"        },  
        {          "Address": " xxx.xx.x.xx ",          "Category": "Equipment",  
          "ClassId": "compute.IpAddress",          "DefaultGateway": " xxx.xx.x.xx ",  
          "Dn": "sys/rack-unit-1/mgmt/ipv4-pooled-addr",  
          "HttpPort": 80,          "HttpsPort": 443,          "KvmPort": 2068,  
          "KvmVlan": 0,          "Name": "Outband",          "ObjectType":  
"compute.IpAddress",          "Subnet": "255.255.255.0",          "Type":  
"VnicIPv4PooledAddr"        }      ],      "serverIpAddress": " xxx.xx.x.xx, xxx.xx.x.xx ",  
      "cpuCores": 28,      "powerState": "on",      "tags": [        {          "Key": "Intersight.LicenseTier",  
          "Value": "Premier"        },        {          "Key": "HX Cluster",  
          "Value": "NOICLD-HX"        }      ],      "organizations": []    }  ] }
```

Parameter Details:

Table 44 – GetPhysicalSummary

| Parameter Name   | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                      |
| controlId        | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values returned from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                           |
| async            | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| Callback         | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                               |
| addlparam        | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.2.2.4 GetOperatingSystem

This method is used to return the list of GetOperatingSystem of Cisco Intersight created in MyCloud.

Method Signature:

GetOperatingSystem (organizationMoid, controlId, async, callback, addlparam)

Sample Response:

```
{  "totalRecords": 1,  "records": [    {      "moid": "xxxxxxx",      "name": "ESXi 7.0 U3",      "entityId": "CICOOS-615DABAC-5A69-45EE-8BB8-8A286B776234",      "objectType":
```

```

"softwarerepository.OperatingSystemFile",          "classId":
"softwarerepository.OperatingSystemFile",          "description": "",
"vendor": "VMware",      "version": "ESXi 7.0 U3",      "fileLocation":
"  xxx.xx.x.xx",          "sourceJson": {              "ClassId":
"softwarerepository.CifsServer",                    "FileLocation": "
xxx.xx.x.xx",          "IsPasswordSet": true,          "MountOption":
"none",          "ObjectType": "softwarerepository.CifsServer",
"RemoteFile":          "VMware-ESXi-7.0.3-Custom-Cisco-4.2.1-a.iso",
"RemoteIp": "  xxx.xx.x.xx ",          "RemoteShare": "/SoftwareRepo/",
"Username": "noicldhcl\\\\administrator"          },          "tags": "",
"organizations": []      }  ]]

```

Parameter Details:

|                               |
|-------------------------------|
| Table 45 – GetOperatingSystem |
|-------------------------------|

| Parameter Name   | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                      |
| controlId        | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values returned from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                           |
| async            | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| Callback         | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                               |
| addlparam        | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.2.2.5 GetServerProfile

This method is used to return the list of GetServerProfile of Cisco Intersight created in MyCloud.

Method Signature:

GetServerProfile (organizationMoid, controlId, async, callback, addlparam)

Sample Response:

```
{  "totalRecords": 1,  "records": [    {      "moid": "xxxxxxx",      "name": "BMA_Service_Profile_Template_DERIVED-1",      "entityId": "CICOSP-F9EBA985-DC5D-4F76-B15E-039541974D98",      "objectType":
```

```

"server.Profile",      "classId": "server.Profile",      "description":
"This service profile template is used to configure the standalone
C240 server",      "assignedServer": "",      "associatedServer": "",
"configChangeContext": {      "ClassId":
"policy.ConfigChangeContext",      "ConfigChangeError": "",
"ConfigChangeState": "Ok",      "InitialConfigContext":
{      "ClassId": "policy.ConfigContext",      "ConfigState":
"",      "ConfigType": "",      "ControlAction": "",
"ErrorState": "",      "ObjectType": "policy.ConfigContext",
"OperState": ""      },      "ObjectType":
"policy.ConfigChangeContext"      },      "configChangeDetails": "",
"configChanges": {      "Changes": [],      "ClassId":
"policy.ConfigChange",      "Disruptions": [],      "ObjectType":
"policy.ConfigChange"      },      "configContext": {      "ClassId":
"policy.ConfigContext",      "ConfigState": "Not-assigned",
"ConfigType": "",      "ControlAction": "No-op",      "ErrorState":
"",      "ObjectType": "policy.ConfigContext",      "OperState":
""      },      "isPmcDeployedSecurePassphraseSet": false,
"policyBucket": [      {      "ClassId": "mo.MoRef",      "Moid":
"xxxxxx",      "ObjectType": "bios.Policy",      "link":
"https://<enter URL>"      },      {      "ClassId": "mo.MoRef",
"Moid": "xxxxxx",      "ObjectType": "boot.PrecisionPolicy",
"link": "https://<enter URL>"      },      {      "ClassId":
"mo.MoRef",      "Moid": "xxxxxx",      "ObjectType":
"vmmedia.Policy",      "link": "https://<enter URL>"      },
{      "ClassId": "mo.MoRef",      "Moid": "xxxxxx",
"ObjectType": "sdcard.Policy",      "link": "https://enter
URL"      },      {      "ClassId": "mo.MoRef",      "Moid":
"xxxxxx",      "ObjectType": "storage.StoragePolicy",      "link":
"https://<enter URL>"      },      {      "ClassId": "mo.MoRef",
"Moid": "xxxxxx",      "ObjectType": "adapter.ConfigPolicy",
"link": "https://<enter URL>"      },      {      "ClassId":
"mo.MoRef",      "Moid": "xxxxxx",      "ObjectType":
"vnic.LanConnectivityPolicy",      "link": "https://enter
URL"      }      ],      "resourceLease": "",      "runningWorkflows":
[],      "serverAssignmentMode": [],      "serverPool": "",
"srcTemplateMoid": "xxxxxx",      "srcTemplateLink": "https://enter

```

```
URL",          "staticUuidAddress": "",          "targetPlatform":
"Standalone",          "type": "instance",          "tags": "",
"organizations": []    }    ]}
```

Parameter Details:

Table 46 – GetServerProfile

| Parameter Name   | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                      |
| controlId        | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values returned from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                           |
| async            | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| Callback         | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                               |
| addlparam        | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.2.2.6 GetStorageVirtualDrive

This method is used to return the list of GetServerProfile of Cisco Intersight created in MyCloud.

#### Method Signature:

GetStorageVirtualDrive (organizationMoid, controlId, async, callback, addlparam)

#### Sample Response:

```
{  "totalRecords": 24,  "records": [    {      "moid": "xxxxxx",      "name": "",      "entityId": "CICOVD-511BD44C-8AFC-4857-94E2-518E74D5BDA8",      "objectType": "storage.VirtualDrive",      "classId": "storage.VirtualDrive",      "description": "",      "availableSize": "0",      "blockSize": "512",      "bootable": "true",      "configState": "orphaned",      "configuredWriteCachePolicy": "write-through",      "connectionProtocol": "unspecified",      "deviceRegistrationMoid": "xxxxxx",      "diskGroup": "",      "dn": "sys/chassis-2/blade-3/board/storage-SAS-1/vd-0",      "driveCache": "disable",      "driveSecurity": "no",      "driveState": "optimal",      "inventoryDeviceInfo": "",      "ioPolicy": "direct",      "model": "",      "numBlocks": "583983104",      "operState": "undefined",      "storageControllerMoid": "xxxxxx",      "physicalBlockSize": "unknown",      "physicalDiskUsages": "",      "presence": "equipped",      "previousFru": "",      "readPolicy": "normal",      "revision": "0",      "rn": "",      "securityFlags": "",      "serial": "",      "sharedScope": "",      "size": "285148",      "storageVirtualDriveContainer": "",      "stripSize": "64",      "type": "mirror",      "uUid": "4681444d-3c2a-4973-a935-5b6bc8a57065",      "vdMemberEps": [        {          "ClassId": "mo.MoRef",          "Moid": "xxxx",          "ObjectType": "storage.VdMemberEp",          "link": "https://<enter URL>"        },        {          "ClassId": "mo.MoRef",          "Moid": "xxxx",          "ObjectType": "storage.VdMemberEp",          "link": "https://<Enter URL> "        }      ],      "vendor": "",      "vendorUuid": "618e7283-72e1-2920-23aa-78310d716508",      "virtualDriveExtension": "",      "virtualDriveId": "0",      "tags": "",      "organizations": [        {          "name": "default",          "moid": "xxxxxx"        }      ]    },    {      "moid": "xxxxxx",      "name": "",      "entityId": "CICOVD-745B86AB-4E9C-4737-9BD4-0CE3BABF205F",      "objectType": "storage.VirtualDrive",      "classId": "storage.VirtualDrive",      "description": "",      "availableSize": "0",      "blockSize": "512",      "bootable": "true",      "configState": "orphaned",      "configuredWriteCachePolicy": "write-through",      "connectionProtocol": "unspecified",
```

```

"deviceRegistrationMoid": "xxxxxx",      "diskGroup": "",      "dn":
"sys/chassis-3/blade-1/board/storage-SAS-1/vd-0",      "driveCache":
"disable",      "driveSecurity": "no",      "driveState": "optimal",
"inventoryDeviceInfo": "",      "ioPolicy": "direct",      "model":
"",      "numBlocks": "583983104",      "operState": "undefined",
"storageControllerMoid": "xxxxxx",      "physicalBlockSize": "unknown",
"physicalDiskUsages": "",      "presence": "equipped",
"previousFru": "",      "readPolicy": "normal",      "revision": "0",
"rn": "",      "securityFlags": "",      "serial": "",
"sharedScope": "",      "size": "285148",
"storageVirtualDriveContainer": "",      "stripSize": "64",
"type": "mirror",      "uUid": "elac8a8d-9cf2-4594-8751-12e0eaf3c26f",
"vdMemberEps": [      {      "ClassId": "mo.MoRef",      "Moid":
"xxxxxx",      "ObjectType": "storage.VdMemberEp",      "link":
"https://<enter URL>"      },      {      "ClassId": "mo.MoRef",
"Moid": "xxxxxx",      "ObjectType": "storage.VdMemberEp",
"link": "https://<enter URL>"      }      ],      "vendor": "",
"vendorUuid": "618e7283-72f4-7050-25eb-80ce0f0097e2",
"virtualDriveExtension": "",      "virtualDriveId": "0",      "tags":
"",      "organizations": [      {      "name": "default",
"moid": "xxxxxx"      }      ]      }      ]]

```

Parameter Details:

---

Table 47 – GetStorageVirtualDrive

---

| Parameter Name   | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                      |
| controlId        | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values returned from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                           |
| async            | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| Callback         | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                               |
| addlparam        | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.2.2.7 GetServerPool

This method is used to return the list of Server Pool of Cisco Intersight created in MyCloud.

Method Signature:

GetServerPool(organizationMoid, controlId, async, callback, addlparam)

Sample Response:

```
{
  "totalRecords": 0,
  "records": {
```

```

    "moid": "",
    "name": "",
    "entityId": "",
    "objectType": "",
    "classId": "",
    "description": "",
    "objecttype": "",
    "ancestors": "",
    "assigned": 0,
    "assignmentorder": "",
    "domaingroupmoid": "",
    "pooltype": "",
    "resourcepoolparameters": {},
    "resourcetype": "",
    "selectors": {},
    "sharedscope": "",
    "size": 0,
    "tags": {},
    "organizations": [
      {
        "name": "",
        "moid": ""
      }
    ]
  }
}

```

Parameter Details:

---

Table 48 – GetServerPool

---

| Parameter Name   | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                      |
| controlId        | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values returned from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                           |
| async            | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| Callback         | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                               |
| addlparam        | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

### 4.2.3 Storage

Complete list of all JavaScript functions is available in the UI intellisense MCLD.Functions.CiscoIntersight.Storage

#### 4.2.3.1 GetPureArray

This method is used to return the list of GetPureArray of Cisco Intersight created in MyCloud.

Method Signature:

GetPureArray (organizationMoid, controlId, async, callback, addlparam)

Sample Response:

```
{
  "totalRecords": 1,
  "records": [
    {
      "moid": "xxxxx",
      "name": "T1PureArrayHCL",
      "entityId": "PSA-61F75EFF-0614-439D-BFC0-ABFF79051AA6",
      "objectType": "storage.PureArray",
      "classId": "storage.PureArray",
      "description": "T1PureArrayHCL",
      "storageAvailableInGB": 9756883000,
      "storageUsedInGB": 472828864,
      "storageFreeInGB": 9284054000,
      "storageTotalInGB": 9756883000,
      "storageVolumeInGB": 381962600,
      "capacityUtilization": 4.84610558,
      "dataReduction": 3.46457362,
      "totalReduction": 63.5329857,
      "parity": 1,
      "storageProvisionedInGB": 30039255000,
      "storageSharedInGB": 90852130,
      "storageSnapshotInGB": 14149.8945,
      "storageUtilizationSystem": 0,
      "storageUtilization": {
        "Available": 29973145103019,
        "CapacityUtilization": 4.8461056,
        "ClassId": "storage.PureArrayUtilization",
        "DataReduction": 3.4645736,
        "Free": 28520614808849,
        "ObjectType": "storage.PureArrayUtilization",
        "Parity": 1,
        "Provisioned": 92280593580032,
        "Shared": 279097741761,
        "Snapshot": 43468475,
        "System": 0,
        "ThinProvisioned": 0.9454681,
        "Total": 29973145103019,
        "TotalReduction": 63.532986,
        "Used": 1452530294170,
        "Volume": 1173389083934
      },
      "vendor": "Pure Storage",
      "version": "6.1.13",
      "registeredDeviceMoid": "xxxxxx",
      "tags": "",
      "organizations": []
    }
  ]
}
```

Parameter Details:

---

Table 49 – GetPureArray

---

| Parameter Name   | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                      |
| controlId        | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                             |
| async            | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| Callback         | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                               |
| addlparam        | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.2.3.2 GetPureHost

This method is used to return the list of GetPureHost of Cisco Intersight created in MyCloud.

Method Signature:

GetPureHost (organizationMoid, controlId, async, callback, addlparam)

Sample Response:

```
{  "totalRecords": 1,  "records": [    {      "moid": "xxxxxx",      "name": "4BladeVelocity",      "entityId": "PSH-316A1B3F-6CB6-466F-8E3B-06D17D9BAA35",      "objectType": "storage.PureHost",
```

```

"classId": "storage.PureHost",      "description": "",      "osType":
"",      "initiators": [      {      "ClassId": "storage.Initiator",
"Iqn": "",      "Name": "",      "ObjectType":
"storage.Initiator",      "Type": "FC",      "Wwn":
"20:00:00:25:B5:00:00:1D"      },      {      "ClassId":
"storage.Initiator",      "Iqn": "",      "Name": "",
"ObjectType": "storage.Initiator",      "Type": "FC",      "Wwn":
"20:00:00:25:B5:00:00:1E"      }      ],      "storageAvailableInGB":
52428800,      "storageUsedInGB": 26571.6914,      "storageFreeInGB":
52402228,      "storageTotalInGB": 52428800,      "storageVolumeInGB":
26571.6914,      "capacityUtilization": 0.05068148,
"dataReduction": 12.30505,      "totalReduction": 532.470764,
"storageSnapshotInGB": 0,      "storageUtilization":
{      "Available": 161061273600,      "CapacityUtilization":
0.05068148,      "ClassId": "storage.PureHostUtilization",
"DataReduction": 12.30505,      "Free": 160979645362,
"ObjectType": "storage.PureHostUtilization",      "Snapshot": 0,
"ThinProvisioned": 0.9768907,      "Total": 161061273600,
"TotalReduction": 532.47076,      "Used": 81628238,      "Volume":
81628238      },      "pureStorageArrayMoid": "xxxx",
"registeredDeviceMoid": "xxxxxx",      "tags": "",      "organizations":
[]      }      ]}

```

Parameter Details:

---

Table 50 – GetPureHost

---

| Parameter Name   | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                      |
| controlId        | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                             |
| async            | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| Callback         | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                               |
| Addlparam        | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.2.3.3 GetPureHostGroup

This method is used to return the list of GetPureHostGroup of Cisco Intersight created in MyCloud.

Method Signature:

GetPureHostGroup (organizationMoid, controlId, async, callback, addlparam)

Sample Response:

```
{ "totalRecords":1, "records": [{ "moid": "xxxxx", "name": "MGMT", "entityId": "PSHG-B15FAB5B-6A13-4C8C-B9B4-0A709D5143EA", "objectType": "storage.PureHostGroup", "classId": "storag
```

```
e.PureHostGroup","description":"","storageAvailableInGB":2041227900,
"storageUsedInGB":1504563,"storageFreeInGB":2039723390,"storageTotal
InGB":2041227900,"storageVolumeInGB":1504563,"capacityUtilization":0
.07370872,"dataReduction":5.46503258,"totalReduction":1053.2998,"sto
rageSnapshotInGB":0,"storageUtilization":{"Available":6270652252160,
"CapacityUtilization":0.07370872,"ClassId":"storage.PureHostUtilizat
ion","DataReduction":5.4650326,"Free":6266030234463,"ObjectType":"st
orage.PureHostUtilization","Snapshot":0,"ThinProvisioned":0.99481153
,"Total":6270652252160,"TotalReduction":1053.2998,"Used":4622017697,
"Volume":4622017697},"pureStorageArrayMoid":"xxxxx","registeredDevic
eMoid":"xxxxx","tags":"","organizations":[]}]}
```

Parameter Details:

|                             |
|-----------------------------|
| Table 51 – GetPureHostGroup |
|-----------------------------|

| Parameter Name   | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                      |
| controlId        | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                             |
| async            | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| Callback         | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                               |
| addlparam        | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.2.3.4 GetPureHostLun

This method is used to return the list of GetPureHostLun of Cisco Intersight created in MyCloud.

Method Signature:

GetPureHostLun (organizationMoid, controlId, async, callback, addlparam)

Sample Response:

```
{  "totalRecords": 43,  "records": [    {      "moid": "xxxxxx",      "name": "4BladeVelocity",      "entityId": "PSHL-49F46DA7-4A7D-4388-A5F8-D9D6C7435F03",      "objectType": "storage.PureHostLun",
```

```

"classId": "storage.PureHostLun", "description":
"4BladeVelocity", "storageMoid": null, "storageName": null,
"associatedHostGroup": "0", "pureStorageHostMoid": "0",
"pureStorageHostGroupMoid": "0", "pureStorageArrayMoid": "xxxxx",
"registeredDeviceMoid": "xxxxx", "tags": "", "organizations":
[] } }

```

#### Parameter Details:

Table 52 – GetPureHostLun

| Parameter Name   | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                   |
| controlId        | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                          |
| async            | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                   |
| callback         | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                            |
| addlparam        | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.2.3.5 GetPureVolume

This method is used to return the list of GetPureVolume of Cisco Intersight created in MyCloud.

Method Signature:

GetPureVolume (organizationMoid, controlId, async, callback, addlparam)

Sample Response:

```
{  "totalRecords": 1,  "records": [    {      "moid": "xxxxxx",      "name": "Test-Pure425",      "entityId": "PSV-551BDC3F-0E52-4AFE-8565-192F4C8EFF61",      "objectType": "storage.PureVolume",      "classId": "storage.PureVolume",      "description": "",      "storageAvailableInGB": 34952532,      "storageUsedInGB": 0,      "storageFreeInGB": 34952532,      "storageTotalInGB": 34952532,      "storageVolumeInGB": 0,      "capacityUtilization": 0,      "dataReduction": 1,      "totalReduction": 1,      "storageSnapshotInGB": 0,      "storageUtilization": {        "Available": 107374182400,        "CapacityUtilization": 0,        "ClassId": "storage.PureVolumeUtilization",        "DataReduction": 1,        "Free": 107374182400,        "ObjectType": "storage.PureVolumeUtilization",        "Snapshot": 0,        "ThinProvisioned": 1,        "Total": 107374182400,        "TotalReduction": 1,        "Used": 0,        "Volume": 0      },      "pureStorageArrayMoid": "xxxxxx",      "registeredDeviceMoid": "xxxxxx",      "tags": "",      "organizations": []    }  ]}
```

Parameter Details:

|                          |
|--------------------------|
| Table 53 – GetPureVolume |
|--------------------------|

| Parameter Name   | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                      |
| controlId        | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                             |
| async            | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| Callback         | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                               |
| addlparam        | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.2.3.6 GetNetAppAggregate

This method is used to return the list of GetNetAppAggregate of Cisco Intersight created in MyCloud.

Method Signature:

GetNetAppAggregate (svmMoid, controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{
  "totalRecords": 1,
  "records": [
```

```

{
  "moid": "xxxxx",
  "name": "DRYiCELABS01_data_aggr01",
  "entityId": "NAPPAGG-B4D78376-7B4B-4C8A-B2E8-5BEB4CFE54B4",
  "objectType": "storage.NetAppAggregate",
  "classId": "storage.NetAppAggregate",
  "description": "DRYiCELABS01_data_aggr01",
  "aggregateType": "SSD",
  "arrayController": {
    "ClassId": "mo.MoRef",
    "Moid": "xxxxxxx",
    "ObjectType": "storage.NetAppNode",
    "link": "https://<enter URL>"
  },
  "domainGroupMoid": "xxxxx",
  "netAppAggregateKey": "e2a69277-6d6e-11eb-9cb5-
d039ea230c90:type=aggregate,uuid=8f7ad2c8-12e9-4dd0-8093-
6dd3906a45fb",
  "netAppNodeMoid": "xxxxxxx",
  "poolId": "",
  "raidSize": 28,
  "raidType": "RAIDDP",
  "sharedScope": "",
  "state": "Online",
  "status": "Unknown",
  "storageUtilizationAvailableInGB": 276777669.3333,
  "storageUtilizationCapacityUtilizationInGB": 0,
  "storageUtilizationCapacityFreeInGB": 0,
  "storageUtilizationCapacityLogicalUsedInGB": 5771941528,
  "storageUtilizationCapacitySavingsInGB": 2547393188.335,
  "storageUtilizationCapacityTotalInGB": 3586057117.3333,
  "storageUtilizationCapacityUsedInGB": 3309279448,
  "avgPerformanceMetricsIops": 6780.3345,
  "avgPerformanceMetricsLatency": "582.0583",
  "avgPerformanceMetricsPeriod": 72,
  "avgPerformanceMetricsThroughput": 100568304,
  "storageUtilizationCapacityJSON": {

```

```

    "Available": 850261000192,
    "CapacityUtilization": 0,
    "ClassId": "storage.NetAppStorageUtilization",
    "Free": 0,
    "LogicalUsed": 17731404374016,
    "ObjectType": "storage.NetAppStorageUtilization",
    "Savings": 7825591874565,
    "Total": 11016367464448,
    "Used": 10166106464256
  },
  "avgPerformanceMetricsJSON": {
    "ClassId": "storage.NetAppPerformanceMetricsAverage",
    "Iops": 6780.3345,
    "Latency": 582.0583,
    "ObjectType": "storage.NetAppPerformanceMetricsAverage",
    "Period": 72,
    "Throughput": 100568304
  },
  "tags": "",
  "uUid": "8f7ad2c8-12e9-4dd0-8093-6dd3906a45fb",
  "accountMoid": "xxxxxx",
  "organizations": [
    {
      "name": "default",
      "moid": "xxxxxx"
    },
    {
      "name": "Dryicelabs-PR-ORG02",
      "moid": "xxxxxx"
    }
  ],
  "storageVMs": [
    {
      "name": "SVM01",
      "moid": "xxxxxx"
    }
  ]
]

```

```

    }
  ]
}

```

Parameter Details:

Table 54 – GetNeAppAggregate

| Parameter Name         | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| svmMoid                | String   | N         | To filter the list on specific svmMoid.                                                                                                                                                                                                                                                                                                                                                                                                  |
| controlId              | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                |
| async                  | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                         |
| Callback               | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                  |
| addlparam              | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties<br>filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| provisioningEndPointId | string   | N         | To filter the list on specific peovisioningEndPointId                                                                                                                                                                                                                                                                                                                                                                                    |

#### 4.2.3.7 GetNetAppCluster

This method is used to return the list of Net App Cluster of Cisco Intersight created in MyCloud.

Method Signature:

GetNetAppCluster (organizationMoid, controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{
  "totalRecords": 1,
  "records": [
    {
      "moid": "xxxxx",
      "name": "NetApp_DRYiCELABS",
      "entityId": "NAPPCL-0C94D8B1-80B4-49AB-9EC8-AA6C0090FAFB",
      "objectType": "storage.NetAppCluster",
      "classId": "storage.NetAppCluster",
      "description": "NetApp_DRYiCELABS",
      "deviceMoId": "xxxxx",
      "dn": "",
      "dnsDomains": [
        "dryicelabs.com"
      ],
      "domainGroupMoid": "xxxxxxx",
      "netAppClusterKey": "e2a69277-6d6e-11eb-9cb5-d039ea230c90:type=cluster,uuid=e2a69277-6d6e-11eb-9cb5-d039ea230c90",
      "location": "xxxxx",
      "managementAddress": "netapp.dryicelabs.com",
      "model": "AFF-A220",
      "nameServers": [
        " xxx.xx.x.xx "
      ],
      "ntpServers": [
        " xxx.xx.x.xx ",
        " xxx.xx.x.xx "
      ],
      "revision": "",
      "rn": "",
      "serial": "",
      "registeredDeviceMoid": "xxxxxxx",
    }
  ]
}
```

```

"vendor": "NetApp",
"version": "NetApp ONTAP 9.7P11",
"sharedScope": "",
"clusterHealthStatus": "OK",
"clusterEfficiencyLogicalUsedInGB": 11422396790.6667,
"clusterEfficiencyRatio": 1.7786818,
"storageUtilizationAvailableInGB": 595351874.6667,
"storageUtilizationCapacityUtilizationInGB": 0.0309,
"storageUtilizationCapacityFreeInGB": 0,
"storageUtilizationCapacityLogicalUsedInGB": 0,
"storageUtilizationCapacitySavingsInGB": 0,
"storageUtilizationCapacityTotalInGB": 12015725505.3333,
"storageUtilizationCapacityUsedInGB": 11420373630.6667,
"storageUtilizationCapacityJSON": {
  "Available": 1828920958976,
  "CapacityUtilization": 95.04523,
  "ClassId": "storage.NetAppStorageUtilization",
  "Free": 0,
  "LogicalUsed": 0,
  "ObjectType": "storage.NetAppStorageUtilization",
  "Savings": 0,
  "Total": 36912308752384,
  "Used": 35083387793408
},
"clusterEfficiencyJSON": {
  "ClassId": "storage.NetAppStorageClusterEfficiency",
  "LogicalUsed": 35089602940928,
  "ObjectType": "storage.NetAppStorageClusterEfficiency",
  "Ratio": 1.7786818,
  "Savings": 15361732518407
},
"tags": "",
"uUid": "e2a69277-6d6e-11eb-9cb5-d039ea230c90",
"accountMoid": "xxxxxx",
"organizations": [
  {
    "name": "default",

```

```
        "moid": "xxxxxxx"
      },
      {
        "name": "Dryicelabs-PR-ORG02",
        "moid": "xxxxxx"
      }
    ]
  }
]
```

Parameter Details:

|                             |
|-----------------------------|
| Table 55 – GetNetAppCluster |
|-----------------------------|

| Parameter Name         | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------|----------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid       | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                                         |
| controlId              | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                                |
| async                  | Boolean  | N         | In case it's False:<br><br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br><br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                             |
| Callback               | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                  |
| addlparam              | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties<br>filter/sortby/sortorder.<br><br>To Filter:<br><br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br><br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br><br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| provisioningEndPointId | string   | N         | To filter the list on specific peovisioningEndPointId                                                                                                                                                                                                                                                                                                                                                                                                    |

#### 4.2.3.8 GetNetAppBaseDisk

This method is used to return the list of Net App Base Disk of Cisco Intersight created in MyCloud.

Method Signature:

GetNetAppBaseDisk (organizationMoid, controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{
```

```

"totalRecords": 1,
"records": [
  {
    "moid": "xxxxxx",
    "name": "1.0.15",
    "entityId": "NAPPBD-428247C8-6EC3-47F8-91BB-50955337B515",
    "objectType": "storage.NetAppBaseDisk",
    "classId": "storage.NetAppBaseDisk",
    "description": "1.0.15",
    "baseDiskModel": "X371_S164A960ATE",
    "containerType": "Shared",
    "deviceMoId": "xxxxxx",
    "diskPool": [
      {
        "ClassId": "mo.MoRef",
        "Moid": "xxxxxx",
        "ObjectType": "storage.NetAppAggregate",
        "link": "https://<enter URL>"
      }
    ],
    "diskType": "SSD",
    "dn": "",
    "domainGroupMoid": "xxxxxx",
    "model": "",
    "netAppClusterMoid": "xxxxxx",
    "partNumber": "",
    "presence": "",
    "protocol": "Unknown",
    "revision": "",
    "rn": "",
    "serial": "",
    "sharedScope": "",
    "speed": "0",
    "status": "Unknown",
    "type": "Unknown",
    "vendor": "NETAPP",
    "version": "",

```

```
    "tags": "",
    "uUid": "",
    "accountMoid": "xxxxxx",
    "organizations": [
      {
        "name": "default",
        "moid": "xxxxxx"
      }
    ]
  }
]
```

Parameter Details:

|                              |
|------------------------------|
| Table 56 – GetNetAppBaseDisk |
|------------------------------|

| Parameter Name         | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid       | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                         |
| controlId              | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                |
| Async                  | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                         |
| Callback               | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                  |
| addlparam              | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties<br>filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| provisioningEndPointId | string   | N         | To filter the list on specific peovisioningEndPointId                                                                                                                                                                                                                                                                                                                                                                                    |

#### 4.2.3.9 GetNetAppExportPolicy

This method is used to return the list of NetAppExportPolity of Cisco Intersight created in MyCloud.

Method Signature:

GetNetAppExportPolity (organizationMoid, controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{
```

```

"totalRecords": 1,
"records": [
  {
    "moid": "xxxxxxx",
    "name": "default",
    "entityId": "NAPPEXPPOL-958F84C8-B119-4A3D-B8B3-879A7B853D73",
    "objectType": "storage.NetAppExportPolicy",
    "classId": "storage.NetAppExportPolicy",
    "description": "default",
    "clusterUuid": "e2a69277-6d6e-11eb-9cb5-d039ea230c90",
    "netAppExportPolicyRule": [],
    "policyId": "12884901889",
    "domainGroupMoid": "xxxxxxx",
    "netAppClusterMoid": "xxxxxxxxx",
    "sharedScope": "",
    "tenantMoid": "xxxxxx",
    "tenantlink": "https://<enter URL>",
    "tags": "",
    "uUid": "",
    "accountMoid": "xxxxxxx",
    "organizations": [
      {
        "name": "default",
        "moid": "xxxxxx"
      },
      {
        "name": "Dryicelabs-PR-ORG02",
        "moid": "xxxxxx"
      }
    ]
  }
]
}

```

Parameter Details:

---

Table 57 – GetNetAppExportPolicy

---

| Parameter Name         | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid       | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                         |
| controlId              | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                |
| async                  | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                         |
| Callback               | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                  |
| addlparam              | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties<br>filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| provisioningEndPointId | string   | N         | To filter the list on specific peovisioningEndPointId                                                                                                                                                                                                                                                                                                                                                                                    |

#### 4.2.3.10 GetNetAppInitiatorGroup

This method is used to return the list of NetAppInitiatorGroup of Cisco Intersight created in MyCloud.

Method Signature:

GetNetAppInitiatorGroup (organizationMoid, controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{
```

```

"totalRecords": 1,
"records": [
  {
    "moid": "xxxxxx",
    "name": "Secondary-Mgmt",
    "entityId": "NAPPIGRO-F699012C-6DBE-4185-B2E1-D12EDD44EC58",
    "objectType": "storage.NetAppInitiatorGroup",
    "classId": "storage.NetAppInitiatorGroup",
    "description": "",
    "initiators": [
      {
        "ClassId": "storage.Initiator",
        "Iqn": "",
        "Name": "iqn.1998-01.com.vmware:indrmesxi01-3cbfa0f5",
        "ObjectType": "storage.Initiator",
        "Type": "FC",
        "Wwn": ""
      }
    ],
    "osType": "VMware",
    "protocol": "iSCSI",
    "netAppStorageVmMoid": "xxxxxxx",
    "netAppStorageVmLink": "https://<enter URL>",
    "domainGroupMoid": "xxxxxxx",
    "sharedScope": "",
    "storageUtilizationAvailableInGB": 0,
    "storageUtilizationCapacityUtilizationInGB": 0,
    "storageUtilizationCapacityFreeInGB": 0,
    "storageUtilizationCapacityLogicalUsedInGB": 0,
    "storageUtilizationCapacitySavingsInGB": 0,
    "storageUtilizationCapacityTotalInGB": 0,
    "storageUtilizationCapacityUsedInGB": 0,
    "storageUtilizationCapacityJSON": "",
    "tenantMoid": "xxxxxxx",
    "tenantLink": "https://<enter URL>",
    "tags": "",
    "uUid": "242b034f-74f7-11eb-b1fc-d039ea230c90",
  }
]

```

```

    "accountMoid": "xxxxxx",
    "organizations": [
      {
        "name": "default",
        "moid": "xxxxxx"
      }
    ]
  }
]
}

```

Parameter Details:

Table 58 – GetNetAppInitiatorGroup

| Parameter Name   | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                          |
|------------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                     |
| controlId        | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                            |
| async            | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| Callback         | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                              |
| addlparam        | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties<br>filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:                                                 |

| Parameter Name         | Type   | Mandatory | Description                                                                                                                                                                                       |
|------------------------|--------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        |        |           | <p>To sort the data based on column name. e.g.,<br/>sortby="keyname"</p> <p>To Sort Order:<br/>To define sorting order either ASC (Ascending) or<br/>DESC (descending). e.g., sortorder="ASC"</p> |
| provisioningEndPointId | string | N         | To filter the list on specific provisioningEndPointId                                                                                                                                             |

#### 4.2.3.11 GetNetAppLuns

This method is used to return the list of NetAppLuns of Cisco Intersight created in MyCloud.

Method Signature:

GetNetAppLuns (organizationMoid, controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{
  "totalRecords": 1,
  "records": [
    {
      "moid": "xxxxxx",
      "name": "iauto0058_60_analysis",
      "entityId": "NAPPLUN-27B4DFAC-314C-471B-972D-9E67697D7168",
      "objectType": "storage.NetAppLun",
      "classId": "storage.NetAppLun",
      "description": "iauto0058_60_analysis",
      "domainGroupMoid": "xxxxxx",
      "host": [
        {
          "ClassId": "mo.MoRef",
          "Moid": "xxxxxx",
          "ObjectType": "storage.NetAppInitiatorGroup",
          "link": "https://<enter URL> "
        }
      ],
      "netApplunsKey": "e2a69277-6d6e-11eb-9cb5-d039ea230c90:type=lun,uuid=b6d357fe-0011-42cc-866f-754c76dc8b89",
      "mapped": "true",
      "naaId": "",
      "osType": "Windows",
    }
  ]
}
```

```

"netAppClusterMoid": "xxxxxx",
"path": "/vol/iauto0058_60_analysis/iauto0058_60_analysis",
"serial": "81Dwk?QqtXFT",
"sharedScope": "",
"size": 0,
"state": "online",
"storageContainerMoid": "xxxxxx",
"storageContainerlink": "https://<enter URL>",
"storageUtilizationAvailableInGB": 334344.5,
"storageUtilizationCapacityUtilizationInGB": 0,
"storageUtilizationCapacityFreeInGB": 0,
"storageUtilizationCapacityLogicalUsedInGB": 0,
"storageUtilizationCapacitySavingsInGB": 0,
"storageUtilizationCapacityTotalInGB": 350752.5,
"storageUtilizationCapacityUsedInGB": 16408,
"avgPerformanceMetricsIops": 0.7162,
"avgPerformanceMetricsLatency": 0.1888,
"avgPerformanceMetricsPeriod": 74,
"avgPerformanceMetricsThroughput": 1.6924,
"storageUtilizationCapacityJSON": {
  "Available": 1027106304,
  "CapacityUtilization": 0,
  "ClassId": "storage.NetAppStorageUtilization",
  "Free": 0,
  "LogicalUsed": 0,
  "ObjectType": "storage.NetAppStorageUtilization",
  "Savings": 0,
  "Total": 1077511680,
  "Used": 50405376
},
"avgPerformanceMetricsJSON": {
  "ClassId": "storage.NetAppPerformanceMetricsAverage",
  "Iops": 0.7162,
  "Latency": 0.1888,
  "ObjectType": "storage.NetAppPerformanceMetricsAverage",
  "Period": 74,
  "Throughput": 1.6924
}

```

```
    },
    "tags": "",
    "uUid": "b6d357fe-0011-42cc-866f-754c76dc8b89",
    "accountMoid": "xxxxxx",
    "organizations": [
      {
        "name": "default",
        "moid": "xxxxxx"
      }
    ]
  }
]
```

Parameter Details:

---

Table 59 – GetNetAppLuns

---

| Parameter Name         | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid       | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                         |
| controlId              | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                |
| async                  | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                         |
| Callback               | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                  |
| addlparam              | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties<br>filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| provisioningEndPointId | string   | N         | To filter the list on specific peovisioningEndPointId                                                                                                                                                                                                                                                                                                                                                                                    |

#### 4.2.3.12 GetNetAppNodes

This method is used to return the list of NetAppNodes of Cisco Intersight created in MyCloud.

Method Signature:

GetNetAppNodes (organizationMoid, controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{
```

```

"totalRecords": 1,
"records": [
  {
    "moid": "xxxxx",
    "name": "NetApp_DRYiCELABS-02",
    "entityId": "NAPPNODE-85086360-9D62-405C-B19B-BA3FF8CAF736",
    "objectType": "storage.NetAppNode",
    "classId": "storage.NetAppNode",
    "description": "NetApp_DRYiCELABS-02",
    "deviceMoId": "xxxxx",
    "dn": "",
    "domainGroupMoid": "xxxxxx",
    "health": true,
    "highAvailabilityEnabled": true,
    "highAvailabilityGivebackState": "nothing_to_giveback",
    "highAvailabilityPartnerName": "NetApp_DRYiCELABS-01",
    "highAvailabilityPartnerUuid": "255bf0ff-6d6c-11eb-9cb5-d039ea230c90",
    "highAvailabilityTakeoverState": "not_attempted",
    "netAppNodesKey": "e2a69277-6d6e-11eb-9cb5-d039ea230c90:type=cluster_node,uuid=25587125-6d6c-11eb-806b-d039ea1fc560",
    "model": "AFF-A220",
    "operationalMode": "Unknown",
    "netAppClusterMoid": "xxxxx",
    "presence": "",
    "revision": "",
    "rn": "",
    "serial": "952045001087",
    "sharedScope": "",
    "status": "Unknown",
    "systemid": "0538164418",
    "vendor": "",
    "version": "NetApp ONTAP 9.7P11",
    "avgPerformanceMetricsIops": 9698.793,
    "avgPerformanceMetricsLatency": 693.4166,
    "avgPerformanceMetricsPeriod": 72,
  }
]

```

```

    "avgPerformanceMetricsThroughput": 47400.6875,
    "avgPerformanceMetricsJSON": {
      "ClassId": "storage.NetAppPerformanceMetricsAverage",
      "Iops": 9698.793,
      "Latency": 693.4166,
      "ObjectType": "storage.NetAppPerformanceMetricsAverage",
      "Period": 72,
      "Throughput": 47400.6875
    },
    "highAvailabilityJSON": {
      "ClassId": "storage.NetAppHighAvailability",
      "Enabled": true,
      "GivebackState": "nothing_to_giveback",
      "ObjectType": "storage.NetAppHighAvailability",
      "PartnerName": "NetApp_DRYiCELABS-01",
      "PartnerUuid": "255bf0ff-6d6c-11eb-9cb5-d039ea230c90",
      "TakeoverState": "not_attempted"
    },
    "tags": "",
    "uUid": "25587125-6d6c-11eb-806b-d039ea1fc560",
    "accountMoid": "xxxxxx",
    "organizations": [
      {
        "name": "default",
        "moid": "xxxxxx"
      }
    ]
  }
]
}

```

Parameter Details:

---

Table 60 – GetNetAppNodes

---

| Parameter Name         | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid       | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                   |
| controlId              | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                          |
| async                  | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                   |
| Callback               | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                            |
| addlparam              | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| provisioningEndPointId | string   | N         | To filter the list on specific peovisioningEndPointId                                                                                                                                                                                                                                                                                                                                                                              |

#### 4.2.3.13 GetNetAppSVM

This method is used to return the list of NetAppSVM of Cisco Intersight created in MyCloud.

Method Signature:

GetNetAppSVM (organizationMoid, targetMoid ,controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{
```

```

"totalRecords": 1,
"records": [
  {
    "moid": "xxxxxxx",
    "name": "SVM01",
    "entityId": "NAPPSTRVM-70642DB2-68C7-41C6-9993-8D3BC0C40FB8",
    "objectType": "storage.NetAppStorageVm",
    "classId": "storage.NetAppStorageVm",
    "description": "SVM01",
    "cifsEnabled": false,
    "diskPool": [
      {
        "ClassId": "mo.MoRef",
        "Moid": "xxxxxx",
        "ObjectType": "storage.NetAppAggregate",
        "link": "https://<enter URL>"
      }
    ],
    "dnsDomains": [
      "dryicelabs.com"
    ],
    "domainGroupMoid": "xxxxxx",
    "fcEnabled": false,
    "ipSpace": "Default",
    "iscsiEnabled": true,
    "netAppStorageVmKey": "e2a69277-6d6e-11eb-9cb5-
d039ea230c90:type=vserver,uuid=f6f804f8-6d78-11eb-8dd9-
d039ea1fc560",
    "nameServers": [
      " xxx.xx.x.xx "
    ],
    "aggregates": [
      "DRYiCELABS02_data_aggr01",
      "DRYiCELABS01_data_aggr01"
    ],
    "nfsEnabled": false,
    "nfsV3Enabled": false,

```

```

    "nfsV41Enabled": false,
    "nfsV4Enabled": false,
    "nvmeEnabled": false,
    "netAppClusterMoid": "xxxxxxx",
    "sharedScope": "",
    "state": "Running",
    "subtype": "default",
    "avgPerformanceMetricsIops": 15441.9229,
    "avgPerformanceMetricsLatency": 1398.2406,
    "avgPerformanceMetricsPeriod": 72,
    "avgPerformanceMetricsThroughput": 498781920,
    "avgPerformanceMetricsJSON": {
      "ClassId": "storage.NetAppPerformanceMetricsAverage",
      "Iops": 15441.9229,
      "Latency": 1398.2406,
      "ObjectType": "storage.NetAppPerformanceMetricsAverage",
      "Period": 72,
      "Throughput": 498781920
    },
    "tags": "",
    "uUid": "f6f804f8-6d78-11eb-8dd9-d039ea1fc560",
    "accountMoid": "xxxxxxx",
    "organizations": [
      {
        "name": "default",
        "moid": "xxxxxxx"
      }
    ],
    "targets": [
      {
        "name": "<enter name>",
        "moid": "xxxxxx"
      }
    ]
  }
]
}

```

Parameter Details:

Table 61 – GetNetAppSVM

| Parameter Name         | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid       | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                      |
| targetMoid             | String   | N         | To filter the list on specific targetMoid.                                                                                                                                                                                                                                                                                                                                                                                            |
| controlld              | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                             |
| async                  | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| Callback               | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                               |
| addlparam              | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties<br>filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| provisioningEndPointId | string   | N         | To filter the list on specific peovisioningEndPointId                                                                                                                                                                                                                                                                                                                                                                                 |

#### 4.2.3.14 GetNetAppVolumes

This method is used to return the list of NetAppVolumes of Cisco Intersight created in MyCloud.

Method Signature:

GetNetAppVolumes (organizationMoid, controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{
  "totalRecords": 1,
  "records": [
    {
      "moid": "xxxxxx",
      "name": "Mycloud_rdm_test",
      "entityId": "NAPPVOL-C1034731-0108-4170-B539-5DDA05EBDD96",
      "objectType": "storage.NetAppVolume",
      "classId": "storage.NetAppVolume",
      "description": "Mycloud_rdm_test",
      "autosizeMode": "grow",
      "diskPool": [
        {
          "ClassId": "mo.MoRef",
          "Moid": "xxxxxx",
          "ObjectType": "storage.NetAppAggregate",
          "link": "https://<enter URL>"
        }
      ],
      "domainGroupMoid": "xxxxxx",
      "exportPolicyName": "default",
      "netAppVolumeKey": "e2a69277-6d6e-11eb-9cb5-d039ea230c90:type=volume,uuid=956bcc76-3983-11ed-b1fc-d039ea230c90",
      "sharedScope": "",
      "snapshotPolicyName": "default",
      "snapshotReservePercent": 5,
      "snapshotPolicyUuid": "e9810c04-6d6e-11eb-9cb5-d039ea230c90",
      "snapshotUsed": 5607424,
      "state": "online",
      "tenantMoid": "xxxxxx",
      "netAppClusterMoid": "xxxxxxx",
      "storageUtilizationAvailableInGB": 1747173.3333,
      "storageUtilizationCapacityUtilizationInGB": 0,
      "storageUtilizationCapacityFreeInGB": 0,
    }
  ]
}
```

```

"storageUtilizationCapacityLogicalUsedInGB": 0,
"storageUtilizationCapacitySavingsInGB": 0,
"storageUtilizationCapacityTotalInGB": 1839608,
"storageUtilizationCapacityUsedInGB": 454.6667,
"avgPerformanceMetricsIops": 0,
"avgPerformanceMetricsLatency": 0,
"avgPerformanceMetricsPeriod": 0,
"avgPerformanceMetricsThroughput": 0,
"storageUtilizationCapacityJSON": {
  "Available": 5367316480,
  "CapacityUtilization": 0.02471541,
  "ClassId": "storage.NetAppStorageUtilization",
  "Free": 0,
  "LogicalUsed": 0,
  "ObjectType": "storage.NetAppStorageUtilization",
  "Savings": 0,
  "Total": 5651275776,
  "Used": 1396736
},
"avgPerformanceMetricsJSON": {
  "ClassId": "storage.NetAppPerformanceMetricsAverage",
  "Iops": 0,
  "Latency": 0,
  "ObjectType": "storage.NetAppPerformanceMetricsAverage",
  "Period": 0,
  "Throughput": 0
},
"type": "read-write",
"tags": "",
"uUid": "956bcc76-3983-11ed-b1fc-d039ea230c90",
"accountMoid": "xxxxxx",
"organizations": [
  {
    "name": "default",
    "moid": "xxxxxx"
  }
]

```

```

    }
  ]
}

```

Parameter Details:

Table 62 - GetNetAppVolumes

| Parameter Name         | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------|----------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid       | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                                       |
| controlId              | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                              |
| async                  | Boolean  | N         | In case it's False:<br><br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br><br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                           |
| Callback               | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                |
| addlparam              | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties<br>filter/sortby/sortorder.<br><br>To Filter:<br><br>To filter records based on column name received from output. e.g., filter="keyname=keyvalue"<br><br>To Sort By:<br><br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br><br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| provisioningEndPointId | string   | N         | To filter the list on specific peovisioningEndPointId                                                                                                                                                                                                                                                                                                                                                                                                  |

#### 4.2.3.15 GetTargets

This method is used to return the list of Targets of Cisco Intersight created in MyCloud.

Method Signature:

GetTargets (organizationMoid, controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{
  "totalRecords": 1,
  "records": [
    {
      "moid": "xxxxxx",
      "name": "<enter name>",
      "entityId": "CICOT-40BEBF91-1D02-43BB-88B5-534A18D5EE08",
      "objectType": "asset.Target",
      "classId": "asset.Target",
      "status": "Connected",
      "ipAddress": [
        "xxx.xx.x.xx"
      ],
      "externalIpAddress": "",
      "productId": [
        "NetAppAIQUM"
      ],
      "description": "nvmdacwebaiqp01.dryicelabs.com",
      "targetType": "NetAppActiveIqUnifiedManager",
      "tags": "",
      "organizations": [
        {
          "name": "default",
          "moid": "xxxxxx"
        },
        {
          "name": "Dryicelabs-PR-ORG02",
          "moid": "xxxxxx"
        }
      ]
    }
  ]
}
```

```
}
```

Parameter Details:

Table 63 – GetTargets

| Parameter Name         | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------|----------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid       | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                             |
| controlId              | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                    |
| async                  | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                         |
| Callback               | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                      |
| addlparam              | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties<br>filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| provisioningEndPointId | string   | N         | To filter the list on specific peovisioningEndPointId                                                                                                                                                                                                                                                                                                                                                                                        |

#### 4.2.3.16 GetNetAppCifsShares

This method is used to return the list of NetAppCifsShares of Cisco Intersight created in MyCloud.

Method Signature:

GetNetAppCifsShares (organizationMoid, controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{
  "totalRecords": 1,
  "records": {
    "entityId": "CICOT-40BEBF91-1D02-43BB-88B5-534A18D5EE08",
    "name": "nvmdacwebaiqp01.dryicelabs.com",
    "moid": "xxxxxx",
    "storageVmMoid": "",
    "tenantLink": "",
    "storageContainerLink": "",
    "path": "",
    "permission": "",
    "type": "",
    "userOrGroup": "",
    "organizations": [
      {
        "name": "",
        "moid": ""
      }
    ]
  }
}
```

Parameter Details:

|                                |
|--------------------------------|
| Table 64 – GetNetAppCifsShares |
|--------------------------------|

| Parameter Name         | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid       | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                         |
| controlId              | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                |
| async                  | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                         |
| Callback               | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                  |
| addlparam              | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties<br>filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| provisioningEndPointId | String   | N         | To filter the list on specific provisioningEndPointId                                                                                                                                                                                                                                                                                                                                                                                    |

#### 4.2.4 Aci

This method is used to return the list of Aci of Cisco Intersight created in MyCloud. The JavaScript function is available in the UI intellisense MCLD.Functions.CiscoIntersight.Aci.

##### 4.2.4.1 GetTenants

This method is used to return the list of GetTenants of Cisco Intersight created in MyCloud.

Method Signature:

GetTenants (targetMoid, controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{ "totalRecords": 15, "records": [ { "entityId": "ACITEN-C07BBAE4-505E-4FB6-A3A7-D0B4ABFD8357", "name": "common", "description": "", "nameAlias": "", "dn": "uni/tn-common", "monPolicy": "uni/tn-common/monepg-default", "target": { "name": "NOICLDAPIC01", "moid": "xxxxxx" } } ] }
```

Parameter Details:

---

Table 65 – GetTenants

---

| Parameter Name         | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| targetMoid             | String   | Y         | To filter the list on specific targetMoid.                                                                                                                                                                                                                                                                                                                                                                                               |
| controlId              | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                |
| async                  | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                         |
| Callback               | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                  |
| addlparam              | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties<br>filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| provisioningEndPointId | string   | N         | To filter the list on specific peovisioningEndPointId                                                                                                                                                                                                                                                                                                                                                                                    |

#### 4.2.4.2 GetVrfs

This method is used to return the list of GetVrfs of Cisco Intersight created in MyCloud.

Method Signature:

GetVrfs (targetMoid, tenantName, controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{ "totalRecords": 20, "records": [ { "entityId": "ACIVRF-CA89B650-EA8A-4D4A-8646-A3CCD652E3A9", "name": "test", "description": "", "tenantName": "ACIOBJECTS", "nameAlias": "", "ipDataPlaneLearning": "enabled", "bdEnforcedEnable": "no", "pcEnfDir": "ingress", "pcEnfPref": "enforced", "scope": "2392065", "seg": "2392065", "pcTag": "32770", "target": { "name": "NOICLDAPIC01", "moid": "xxxxx" } } ] }
```

Parameter Details:

---

Table 66 – GetVrfs

---

| Parameter Name         | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------|----------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| targetMoid             | String   | Y         | To filter the list on specific targetMoid.                                                                                                                                                                                                                                                                                                                                                                                                 |
| tenantName             | String   | N         | To filter the list on specific tenantName.                                                                                                                                                                                                                                                                                                                                                                                                 |
| controlId              | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                  |
| async                  | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                       |
| Callback               | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                    |
| addlparam              | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties<br>filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname=keyvalue"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| provisioningEndPointId | string   | N         | To filter the list on specific peovisioningEndPointId                                                                                                                                                                                                                                                                                                                                                                                      |

#### 4.2.4.3 GetBridgeDomains

This method is used to return the list of GetBridgeDomains of Cisco Intersight created in MyCloud.

Method Signature:

GetBridgeDomains (targetMoid, tenantName, controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{
  "totalRecords": 65,
  "records": [
    {
      "entityId": "ACIBD-FD24C260-EE91-4E84-81D4-753655C00A62",
      "name": "BD1001",
      "description": "",
      "tenantName": "ACIOBJECTS",
      "alias": "",
      "type": "regular",
      "unkMacUcastAct": "proxy",
      "unicastRoute": "yes",
      "unkMcastAct": "flood",
      "v6unkMcastAct": "flood",
      "multiDstPktAct": "bd-flood",
      "mcastAllow": "no",
      "mac": "00:22:BD:F8:19:FF",
      "scope": "2392065",
      "seg": "16646023",
      "pcTag": "32771",
      "ipLearning": "yes",
      "limitIpLearnToSubnets": "yes",
      "target": {
        "name": "NOICLDAPIC01",
        "moid": "xxxxxx"
      }
    }
  ]
}
```

#### Parameter Details:

|                             |
|-----------------------------|
| Table 67 – GetBridgeDomains |
|-----------------------------|

| Parameter Name         | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------|----------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| targetMoid             | String   | Y         | To filter the list on specific targetMoid.                                                                                                                                                                                                                                                                                                                                                                                                 |
| tenantName             | String   | N         | To filter the list on specific tenantName.                                                                                                                                                                                                                                                                                                                                                                                                 |
| controlId              | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                  |
| async                  | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                       |
| Callback               | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                    |
| addlparam              | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties<br>filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname=keyvalue"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| provisioningEndPointId | string   | N         | To filter the list on specific peovisioningEndPointId                                                                                                                                                                                                                                                                                                                                                                                      |

#### 4.2.4.4 GetApplicationProfiles

This method is used to return the list of GetApplicationProfiles of Cisco Intersight created in MyCloud.

Method Signature:

GetApplicationProfiles (targetMoid, tenantName, controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{
  "totalRecords": 59,
  "records": [
    {
      "entityId": "ACIAP-19E987E8-AB54-4F69-B9F4-99346EB6B315",
      "name": "access",
      "description": "",
      "tenantName": "infra",
      "nameAlias": "",
      "monPolicy": "uni/tn-common/monepg-default",
      "target": {
        "name": "NOICLDAPIC01",
        "moid": "xxxxxxx"
      }
    }
  ]
}
```

Parameter Details:

Table 68 – GetApplicationProfiles

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                             |
|----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| targetMoid     | String   | Y         | To filter the list on specific targetMoid.                                                                                                                                                                                                                                                                                              |
| tenantName     | String   | N         | To filter the list on specific tenantName.                                                                                                                                                                                                                                                                                              |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                               |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                        |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                 |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties<br>filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order: |

| Parameter Name         | Type   | Mandatory | Description                                                                                |
|------------------------|--------|-----------|--------------------------------------------------------------------------------------------|
|                        |        |           | To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| provisioningEndPointId | string | N         | To filter the list on specific provisioningEndPointId                                      |

#### 4.2.4.5 GetEndpointGroups

This method is used to return the list of GetEndpointGroups of Cisco Intersight created in MyCloud.

Method Signature:

GetEndpointGroups (targetMoid, tenantName, controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{
  "totalRecords": 109,
  "records": [
    {
      "entityId": "ACIEPG-97BA5303-F77F-4AEC-8037-8070572595E8",
      "name": "adminservice_1",
      "description": "",
      "tenantName": "VEL_DEV",
      "nameAlias": "",
      "applicationProfileName": "app-demo_978",
      "intraEPGISolation": "uni/tn-common/monepg-default",
      "prefGrMemb": "unenforced",
      "floodOnEncap": "exclude",
      "qosClass": "unspecified",
      "target": {
        "name": "NOICLDAPIC01",
        "moid": "xxxxx"
      }
    }
  ]
}
```

Parameter Details:

Table 69 – GetEndpointGroups

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                          |
|----------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| targetMoid     | String   | Y         | To filter the list on specific targetMoid.                                                                                                                                                                                                                                                           |
| tenantName     | String   | N         | To filter the list on specific tenantName.                                                                                                                                                                                                                                                           |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                            |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                              |

| Parameter Name         | Type   | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------|--------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| addlparam              | Object | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:<br/>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:<br/>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:<br/>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |
| provisioningEndPointId | string | N         | To filter the list on specific provisioningEndPointId                                                                                                                                                                                                                                                                                                                                                                                            |

#### 4.2.4.6 GetContracts

This method is used to return the list of GetContracts of Cisco Intersight created in MyCloud.

Method Signature:

GetContracts (targetMoid, tenantName, controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{ "totalRecords": 143, "records": [ { "entityId": "ACICON-FB66B2E4-B76E-487E-A51C-E4965045FB44", "name": "ALLOW_ICMP", "description": "", "tenantName": "ACIOBJECTS", "alias": "", "scopeOfContract": "tenant", "qosClass": "unspecified", "targetDscp": "unspecified", "target": { "name": "NOICLDAPIC01", "moid": "xxxxx" } } ] }
```

Parameter Details:

Table 70 – GetContracts

| Parameter Name         | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| targetMoid             | String   | Y         | To filter the list on specific targetMoid.                                                                                                                                                                                                                                                                                                                                                                                              |
| tenantName             | String   | N         | To filter the list on specific tenantName.                                                                                                                                                                                                                                                                                                                                                                                              |
| controlId              | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                               |
| async                  | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                    |
| Callback               | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                 |
| addlparam              | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties<br>filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname=keyvalue"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| provisioningEndPointId | string   | N         | To filter the list on specific peovisioningEndPointId                                                                                                                                                                                                                                                                                                                                                                                   |

#### 4.2.4.7 GetL3Outs

This method is used to return the list of GetL3Outs of Cisco Intersight created in MyCloud.

Method Signature:

GetL3Outs (targetMoid, tenantName, controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{
  "totalRecords": 12,
  "records": [
    {
      "entityId": "ACILOUT-EC4AD64C-2AC4-44CD-A89A-1582E7B16B24",
      "name": "default",
      "tenantName": "common",
      "target": {
        "name": "NOICLDAPIC01",
        "moid": "xxxxxxx"
      }
    }
  ]
}
```

#### Parameter Details:

Table 71 - GetL3Outs

| Parameter Name         | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------|----------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| targetMoid             | String   | Y         | To filter the list on specific targetMoid.                                                                                                                                                                                                                                                                                                                                                                                 |
| tenantName             | String   | N         | To filter the list on specific tenantName.                                                                                                                                                                                                                                                                                                                                                                                 |
| controlId              | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                  |
| async                  | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                           |
| Callback               | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                    |
| addlparam              | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| provisioningEndPointId | string   | N         | To filter the list on specific peovisioningEndPointId                                                                                                                                                                                                                                                                                                                                                                      |

#### 4.2.4.8 GetFilters

This method is used to return the list of GetFilters of Cisco Intersight created in MyCloud.

Method Signature:

GetFilters (targetMoid, tenantName, controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{ "totalRecords": 128, "records": [ { "entityId": "ACIFILT-B43359A3-4B96-4E4D-B144-B45A7DF0363E", "name": "cluster2_svc_ccp_ccp-efk-kibana", "description": "", "tenantName": "common", "alias": "", "subjectName": "loadbalancedservice", "target": { "name": "NOICLDAPIC01", "moid": "xxxxxx" } } ] }
```

Parameter Details:

Table 72 – GetFilters

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                      |
|----------------|----------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| targetMoid     | String   | Y         | To filter the list on specific targetMoid.                                                                                                                                                                                                                                                       |
| tenantName     | String   | N         | To filter the list on specific tenantName.                                                                                                                                                                                                                                                       |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                        |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                          |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties<br>filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"                                                                    |

| Parameter Name         | Type   | Mandatory | Description                                                                                                                                                                                                             |
|------------------------|--------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        |        |           | <p>To Sort By:</p> <p>To sort the data based on column name. e.g.,<br/>sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or<br/>DESC (descending). e.g., sortorder="ASC"</p> |
| provisioningEndPointId | string | N         | To filter the list on specific provisioningEndPointId                                                                                                                                                                   |

#### 4.2.4.9 GetSubjects

This method is used to return the list of GetSubjects of Cisco Intersight created in MyCloud.

Method Signature:

GetSubjects (targetMoid, tenantName, controlId, async, callback, addParam, provisioningEndPointId)

Sample Response:

```
{
  "totalRecords": 28,
  "records": [
    {
      "entityId": "ACISUB-CC86CF89-9244-4A25-AB61-44CF66AAB4CA",
      "name": "allow-all-subj",
      "description": "",
      "tenantName": "common",
      "alias": "",
      "qosClass": "unspecified",
      "targetDscp": "unspecified",
      "target": {
        "name": "NOICLDAPIC01",
        "moid": "xxxxxx"
      }
    }
  ]
}
```

Parameter Details:

Table 73 – GetSubjects

| Parameter Name | Type    | Mandatory | Description                                                                                                                                                                                                                                                                                                         |
|----------------|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| targetMoid     | String  | Y         | To filter the list on specific targetMoid.                                                                                                                                                                                                                                                                          |
| tenantName     | String  | N         | To filter the list on specific tenantName.                                                                                                                                                                                                                                                                          |
| controlId      | String  | N         | <p>Id of 'Select' control to be populated.</p> <p>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.</p>                                                                                                |
| async          | Boolean | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p> |

| Parameter Name         | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------|----------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Callback               | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                          |
| addlparam              | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:<br/>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:<br/>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:<br/>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |
| provisioningEndPointId | string   | N         | To filter the list on specific provisioningEndPointId                                                                                                                                                                                                                                                                                                                                                                                            |

#### 4.2.4.10 GetMonitoringPolicy

This method is used to return the list of GetMonitoringPolicy of Cisco Intersight created in MyCloud.

Method Signature:

GetMonitoringPolicy (targetMoid, tenantName, controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{ "totalRecords": 6, "records": [{"entityId": "ACIMP-F4D0CB8B-3AAB-4C1C-98C3-57BE6D7B04FF", "name": "default", "description": "", "tenantName": "common", "target": {"name": "NOICLDAPIC01", "moid": "xxxxxx"} } ] }
```

Parameter Details:

Table 74 – GetMonitoringPolicy

| Parameter Name | Type   | Mandatory | Description                                                                                                                                                                                                          |
|----------------|--------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| targetMoid     | String | Y         | To filter the list on specific targetMoid.                                                                                                                                                                           |
| tenantName     | String | N         | To filter the list on specific tenantName.                                                                                                                                                                           |
| controlId      | String | N         | <p>Id of 'Select' control to be populated.</p> <p>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.</p> |

| Parameter Name         | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| async                  | Boolean  | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p>                                                                                                                                       |
| Callback               | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                   |
| addlparam              | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |
| provisioningEndPointId | string   | N         | To filter the list on specific provisioningEndPointId                                                                                                                                                                                                                                                                                                                                                                                                     |

#### 4.2.4.11 GetInventory

This method is used to return the list of GetInventory of Cisco Intersight created in MyCloud.

Method Signature:

GetInventory (targetMoid, controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{
  "totalRecords": 7,
  "records": [
    {
      "entityId": "ACIINV-EFF4F690-381C-48DA-9CF9-154E78CE588B",
      "name": "NOICLDAPIC01",
      "adSt": "on",
      "address": "xxx.xx.x.xx",
      "annotation": "",
      "apicType": "apic",
      "dn": "topology/pod-1/node-1",
      "fabricSt": "unknown",
      "model": "APIC-SERVER-M2",
      "role": "controller",
      "serial": "FCH2315V0DM",
      "id": "1",
      "version": "4.2(7s)",
    }
  ]
}
```

```
"nameAlias": "", "podId": "1", "target": {"name": "NOICLDAPIC01",
"moid": "xxxxxx"}]]}
```

Parameter Details:

Table 75 – GetInventory

| Parameter Name         | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------|----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| targetMoid             | String   | Y         | To filter the list on specific targetMoid.                                                                                                                                                                                                                                                                                                                                                                                                |
| controlId              | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                 |
| async                  | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| Callback               | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                   |
| addlparam              | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties<br>filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| provisioningEndPointId | string   | N         | To filter the list on specific peovisioningEndPointId                                                                                                                                                                                                                                                                                                                                                                                     |

#### 4.2.4.12 GetL3Domain

This method is used to return the list of GetL3Domain of Cisco Intersight created in MyCloud.

Method Signature:

GetL3Domain (targetMoid, controlId, async, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{ "totalRecords": 3, "records": [{"entityId": "ACIL3DOM-6BEFD63E-774E-47C3-B141-DDA396BB11E9", "name": "NGN-L3out", "associatedVLANPool": { "name": "[NGN_L3out]-static", "associatedAAEP": [{"name": "NGN-l3out"}, {"name": "NGN-VMM-2ndinterface"}], "target": {"name": "NOICLDAPIC01", "moid": "xxxxxxx"} } ] }
```

Parameter Details:

Table 76 - GetL3Domain

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                          |
|----------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| targetMoid     | String   | Y         | To filter the list on specific targetMoid.                                                                                                                                                                                                                                                           |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                            |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                              |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties<br>filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:                                                 |

| Parameter Name         | Type   | Mandatory | Description                                                                                                                                                                                       |
|------------------------|--------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        |        |           | <p>To sort the data based on column name. e.g.,<br/>sortby="keyname"</p> <p>To Sort Order:<br/>To define sorting order either ASC (Ascending) or<br/>DESC (descending). e.g., sortorder="ASC"</p> |
| provisioningEndPointId | string | N         | To filter the list on specific provisioningEndPointId                                                                                                                                             |

#### 4.2.4.13 GetVpcPolicyGroup

This method is used to return the list of GetVpcPolicyGroup of Cisco Intersight created in MyCloud.

Method Signature:

GetVpcPolicyGroup (targetMoid, controlId, async, callback, addparam, provisioningEndPointId)

Sample Response:

```
{
  "totalRecords": 9,
  "records": [
    {
      "entityId": "ACIVPCPG-B92CDC42-C6D7-4A24-9808-E360B94E9AC0",
      "name": "ipg-vpc-server1-data",
      "description": "",
      "annotation": "",
      "nameAlias": "",
      "dn": "uni/infra/funcprof/accbundle-ipg-vpc-server1-data",
      "target": {
        "name": "NOICLDAPIC01",
        "moid": "xxxxx"
      }
    }
  ]
}
```

Parameter Details:

Table 77 – GetVPCPolicyGroup

| Parameter Name | Type    | Mandatory | Description                                                                                                                                                                                                                                                                                                         |
|----------------|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| targetMoid     | String  | Y         | To filter the list on specific targetMoid.                                                                                                                                                                                                                                                                          |
| controlId      | String  | N         | <p>Id of 'Select' control to be populated.</p> <p>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.</p>                                                                                                |
| async          | Boolean | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p> |

| Parameter Name         | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------|----------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Callback               | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                  |
| addlparam              | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties<br/>filter/sortby/sortorder.</p> <p>To Filter:<br/>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:<br/>To sort the data based on column name. e.g.,<br/>sortby="keyname"</p> <p>To Sort Order:<br/>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |
| provisioningEndPointId | string   | N         | To filter the list on specific provisioningEndPointId                                                                                                                                                                                                                                                                                                                                                                                                    |

#### 4.2.5 GetOrganizations

This method is used to return the list of GetOrganizations of Cisco Intersight created in MyCloud. The JavaScript function is available in the UI intellisense MCLD.Functions.CiscoIntersight.GetOrganizations.

Method Signature:

GetOrganizations (organizationMoid, controlId, async, callback, addlparam

Sample Response:

```
{  "totalRecords": 1,  "records": [    {      "moid": "xxxxxxx",
"name": "default",      "entityId": "CICOORG-AFD0DB65-B6DC-4584-8729-
C63152E8D465",      "objectType": "organization.Organization",
"classId": "organization.Organization",      "description": "User in
a Default Organization automatically has access to all the resources
available for the User Account. If required, a User with Account
Administrator privileges can remove resources from the default
organization.",      "tags": "",      "sharedScope": ""    }  ]}
```

Parameter Details:

Table 78 – GetOrganizations

| Parameter Name   | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                      |
| controlId        | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                             |
| async            | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| Callback         | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                               |
| addlparam        | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.2.6 Getworkflows

This method is used to return the list of Getworkflows of Cisco Intersight created in MyCloud.

Method Signature:

Getworkflows (organizationMoid, controlId, async, callback, addlparam)

Sample Response:

```
{  "totalRecords": 1,  "records": [    {      "moid": "xxxxxx",      "name": "ACIBasicTenantConfig",      "entityId": "CICOWF-76721C4C-A503-4471-B326-A2EEE17CBB71",      "objectType":
```

```

"workflow.WorkflowDefinition",                                "classId":
"workflow.WorkflowDefinition",                                "description": "Creates a Tenant,
VRF, BD, AP, 2 EPGs, Contract, Filters",                    "catalogDetail":
{
    "ClassId": "mo.MoRef",                                    "Moid": "xxxxxx",
"ObjectType": "workflow.Catalog",                            "link": "https://<enter
URL>" },            "clonedFrom": "",                        "defaultVersion": "true",
"inputDefinition": [ { "ClassId":
"workflow.PrimitiveDataType",                                "Default": { "ClassId":
"workflow.DefaultValue",                                    "IsValueSet": false,
"ObjectType": "workflow.DefaultValue",                      "Override": false,
"Value": null },            "Description": "Name of the Tenant",
"DisplayMeta": { "ClassId": "workflow.DisplayMeta",
"InventorySelector": true,                                    "ObjectType":
"workflow.DisplayMeta",                                    "WidgetType": "None" },
"InputParameters": null,                                    "Label": "Name", "Name":
"NAME", "ObjectType": "workflow.PrimitiveDataType",
"Properties": { "ClassId": "workflow.PrimitiveDataProperty",
"Constraints": { "ClassId": "workflow.Constraints",
"EnumList": [], "Max": 0, "Min": 0,
"ObjectType": "workflow.Constraints", "Regex": "^[A-Za-
z0-9_-]+$" },            "InventorySelector": [],
"ObjectType": "workflow.PrimitiveDataProperty", "Secure":
false, "Type": "string" },            "Required":
true },            { "ArrayItemType": { "ClassId":
"workflow.PrimitiveArrayItem",                            "ObjectType":
"workflow.PrimitiveArrayItem",                            "Properties":
{ "ClassId": "workflow.PrimitiveDataProperty",
"Constraints": { "ClassId": "workflow.Constraints",
"EnumList": [], "Max": 0, "Min": 0,
"ObjectType": "workflow.Constraints", "Regex":
"" },            "InventorySelector": [],
"ObjectType": "workflow.PrimitiveDataProperty", "Secure":
false, "Type": "string" } },            "Default":
{ "ClassId": "workflow.DefaultValue", "IsValueSet":
false, "ObjectType": "workflow.DefaultValue",
"Override": false, "Value": null },

```

```

"Description": "Specify a port for the filter (Example: 443)",
"DisplayMeta": {
    "ClassId": "workflow.DisplayMeta",
    "InventorySelector": true,
    "ObjectType": "workflow.DisplayMeta",
    "WidgetType": "None"
},
"InputParameters": null,
"Label": "Port",
"Max": 99,
"Min": 1,
"Name": "PORT",
"ObjectType": "workflow.ArrayDataType",
"Required": true
},
{
    "ClassId": "workflow.PrimitiveDataType",
    "Default": {
        "ClassId": "workflow.DefaultValue",
        "IsValueSet": false,
        "ObjectType": "workflow.DefaultValue",
        "Override": false,
        "Value": null
    },
    "Description": "adress/mask (Example: xxx.xx.x.xx)",
    "DisplayMeta": {
        "ClassId": "workflow.DisplayMeta",
        "InventorySelector": true,
        "ObjectType": "workflow.DisplayMeta",
        "WidgetType": "None"
    },
    "InputParameters": null,
    "Label": "Gateway IP",
    "Name": "SUBNET",
    "ObjectType": "workflow.PrimitiveDataType",
    "Properties": {
        "ClassId": "workflow.PrimitiveDataProperty",
        "Constraints": {
            "ClassId": "workflow.Constraints",
            "EnumList": [],
            "Max": 0,
            "Min": 0,
            "ObjectType": "workflow.Constraints",
            "Regex": "^(25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?).(25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?).(25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?).(25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?)/\\\\\\\\d+$"
        },
        "InventorySelector": [],
        "ObjectType": "workflow.PrimitiveDataProperty",
        "Secure": false,
        "Type": "string"
    },
    "Required": true
},
{
    "ClassId": "workflow.TargetDataType",
    "CustomDataTypeProperties": {
        "CatalogMoid": "xxxxxx",
        "ClassId": "workflow.CustomDataProperty",
        "CustomDataTypeId": "",
        "CustomDataTypeName": "",
        "ObjectType": "workflow.CustomDataProperty"
    },
    "Default": {
        "ClassId": "workflow.DefaultValue",
        "IsValueSet": false,
        "ObjectType": "workflow.DefaultValue",
        "Override": true,
        "Value": null
    },
    "Description": "The API call can be made to Intersight or an external endpoint added as Target. Target should be in claimed or connected

```

state. Please refer Supported Endpoints section in the Web API request end user documentation for the list of Intersight Targets on which Web API task can be invoked. An empty value for this input indicates that the API call is made to Intersight.",

```

"DisplayMeta":
{
    "ClassId": "workflow.DisplayMeta",
    "InventorySelector": true,
    "ObjectType": "workflow.DisplayMeta",
    "WidgetType": "None"
},
"InputParameters": null,
"IsArray": false,
"Label": "External Target",
"Max": 0,
"Min": 0,
"Name": "Target",
"ObjectType": "workflow.TargetDataType",
"Properties": [
    {
        "ClassId": "workflow.TargetProperty",
        "ConnectorAttribute": "",
        "ConstraintAttributes": [],
        "DisplayAttributes": [
            "Name",
            "TargetType"
        ],
        "ObjectType": "workflow.TargetProperty",
        "Selector": "/api/v1/asset/Targets?$filter=((TargetType eq HTTPEndpoint and Status eq Claimed) or ((TargetType eq PureStorageFlashArray or TargetType eq HitachiVirtualStoragePlatform or TargetType eq NetAppActiveIqUnifiedManager or TargetType eq TerraformCloud or TargetType eq VmwareVcenter or TargetType eq APIC or TargetType eq MDSDevice or TargetType eq NexusDevice) and Status eq Connected))",
        "SelectorProperty": {
            "Body": null,
            "ClassId": "workflow.SelectorProperty",
            "Method": "GET",
            "ObjectType": "workflow.SelectorProperty"
        },
        "SupportedObjects": [
            "asset.Target"
        ]
    },
    "Required": true
},
"inputParameterSet": "",
"label": "MyCloud_ACI_TanentConfiguration",
"licenseEntitlement": "Premier",
"maxTaskCount": 12,
"maxWorkerTaskCount": 11,
"outputDefinition": "",
"outputParameters": "",
"properties": {
    "ClassId": "workflow.WorkflowProperties",
    "Cloneable": true,
    "EnableDebug": true,
    "ExternalMeta": true,
    "ObjectType": "workflow.WorkflowProperties",
    "Retryable": false,
    "RollbackOnCancel": false,
    "RollbackOnFailure": false,
    "SupportStatus": "Supported"
},
"cloneable": 1,
"enableDebug": 1,
"externalMeta": 1,
"retryable": 0,
"rollbackOnCancel": 0,
"rollbackOnFailure": 0,

```

```

"supportStatus": "Supported",      "sharedScope": "",      "tasks":
[
    {
        "ClassId": "workflow.StartTask",
        "Description": "",          "Label": "",            "Name": "StartTask",
        "NextTask": "CreateTenant1",          "ObjectType":
        "workflow.StartTask"          },          {          "CatalogMoid":
        "xxxxxx",                    "ClassId": "workflow.WorkerTask",
        "Description": "Creates a tenant in ACI",          "InputParameters":
        {
            "NAME": "${workflow.input.NAME}",          "Target":
            "${workflow.input.Target}"          },          "Label": "Create
        Tenant",          "Name": "CreateTenant1",          "ObjectType":
        "workflow.WorkerTask",          "OnFailure": "",          "OnSuccess":
        "CreateVRF1",          "RollbackDisabled": false,
        "TaskDefinitionId":          "62ab2a93696f6e2d3368618f",
        "TaskDefinitionName": "CreateTenant",          "UseDefault": false,
        "VariableParameters": null,          "Version": 1          },
    {
        "CatalogMoid": "xxxxx",          "ClassId":
        "workflow.WorkerTask",          "Description": "Creates a VRF in ACI",
        "InputParameters": {          "TENANT": "${workflow.input.NAME}",
        "Target": "${workflow.input.Target}",          "VRF":
        "${workflow.input.NAME}"          },          "Label": "Create VRF",
        "Name": "CreateVRF1",          "ObjectType": "workflow.WorkerTask",
        "OnFailure": "",          "OnSuccess": "CreateBD1",
        "RollbackDisabled": false,          "TaskDefinitionId":
        "62ab2a94696f6e2d336861a2",          "TaskDefinitionName": "CreateVRF",
        "UseDefault": false,          "VariableParameters": null,
        "Version": 1          },          {          "CatalogMoid": "xxxxxxx",
        "ClassId": "workflow.WorkerTask",          "Description": "Creates a
        BD in ACI",          "InputParameters": {          "BD":
        "${workflow.input.NAME}",          "SUBNET":
        "${workflow.input.SUBNET}",          "TENANT":
        "${workflow.input.NAME}",          "Target":
        "${workflow.input.Target}",          "VRF":
        "${workflow.input.NAME}"          },          "Label": "Create BD",
        "Name": "CreateBD1",          "ObjectType": "workflow.WorkerTask",
        "OnFailure": "",          "OnSuccess": "AP1",
        "RollbackDisabled": false,          "TaskDefinitionId":
        "62ab2a94696f6e2d336861ad",          "TaskDefinitionName": "CreateBD",

```

```

"UseDefault": false,
"Version": 1
},
{
  "CatalogMoid": "xxxxx",
  "ClassId": "workflow.WorkerTask",
  "Description": "Creates an Application Profile with 2 EPGs",
  "InputParameters": {
    "NAME": "${workflow.input.NAME}",
    "Target": "${workflow.input.Target}"
  },
  "Label": "Create Application Profile in ACI",
  "Name": "AP1",
  "ObjectType": "workflow.WorkerTask",
  "OnFailure": "",
  "OnSuccess": "CreateEPG1",
  "RollbackDisabled": false,
  "TaskDefinitionId": "62ab2a94696f6e2d336861b8",
  "TaskDefinitionName": "AP",
  "UseDefault": false,
  "VariableParameters": null,
  "Version": 1
},
{
  "CatalogMoid": "xxxxx",
  "ClassId": "workflow.WorkerTask",
  "Description": "Create an EPG",
  "InputParameters": {
    "AP": "${workflow.input.NAME}",
    "EPG": "Public-EPG",
    "TENANT": "${workflow.input.NAME}",
    "Target": "${workflow.input.Target}"
  },
  "Label": "Create Public-EPG",
  "Name": "CreateEPG1",
  "ObjectType": "workflow.WorkerTask",
  "OnFailure": "",
  "OnSuccess": "CreateEPG2",
  "RollbackDisabled": false,
  "TaskDefinitionId": "62ab2a95696f6e2d336861c3",
  "TaskDefinitionName": "CreateEPG",
  "UseDefault": false,
  "VariableParameters": null,
  "Version": 1
},
{
  "CatalogMoid": "xxxxxxx",
  "ClassId": "workflow.WorkerTask",
  "Description": "Create an EPG",
  "InputParameters": {
    "AP": "${workflow.input.NAME}",
    "EPG": "Private-EPG",
    "TENANT": "${workflow.input.NAME}",
    "Target": "${workflow.input.Target}"
  },
  "Label": "Create Private-EPG",
  "Name": "CreateEPG2",
  "ObjectType": "workflow.WorkerTask",
  "OnFailure": "",
  "OnSuccess": "CreateContract1",
  "RollbackDisabled": false,
  "TaskDefinitionId": "62ab2a95696f6e2d336861c3",
  "TaskDefinitionName": "CreateEPG",
  "UseDefault": false,
  "VariableParameters": null,
  "Version": 1
},
{
  "CatalogMoid": "xxxxx",
  "ClassId": "workflow.WorkerTask",
  "Description": "Creates a contract between EPGs",
  "InputParameters": {
    "CONTRACT":

```

```

"Public-to-Private",          "NAME": "${workflow.input.NAME}",
"Target": "${workflow.input.Target}"          },          "Label":
"Create Contract",          "Name": "CreateContract1",
"ObjectType": "workflow.WorkerTask",          "OnFailure": "",
"OnSuccess": "parallelLoop1",          "RollbackDisabled": false,
"TaskDefinitionId":          "62ab2a95696f6e2d336861ce",
"TaskDefinitionName": "CreateContract",          "UseDefault": false,
"VariableParameters": null,          "Version": 1          },
{          "ClassId": "workflow.LoopTask",          "Count": "",
"Label": "For each Filter",          "LoopStartTask": "CreateaFilter2",
"Name": "parallelLoop1",          "NumberOfBatches": 1,
"ObjectType": "workflow.LoopTask",          "OnSuccess":
"parallelLoop2",          "Parallel": true          },
{          "CatalogMoid": "xxxxxx",          "ClassId":
"workflow.WorkerTask",          "Description": "Creates a filter",
"InputParameters": {          "NAME": "${workflow.input.NAME}",
"PORT": "${index.global.workflow.input.PORT.iteration}",
"Target": "${workflow.input.Target}"          },          "Label":
"Create a Filter",          "Name": "CreateaFilter2",
"ObjectType": "workflow.WorkerTask",          "OnFailure": "",
"OnSuccess": "",          "RollbackDisabled": false,
"TaskDefinitionId":          "62ab2a95696f6e2d336861d9",
"TaskDefinitionName": "CreateaFilter",          "UseDefault": false,
"VariableParameters": null,          "Version": 1          },
{          "ClassId": "workflow.LoopTask",          "Count": "",
"Label": "For each Filter assignment",          "LoopStartTask":
"AssignFiltertoContract1",          "Name": "parallelLoop2",
"NumberOfBatches": 1,          "ObjectType": "workflow.LoopTask",
"OnSuccess": "AssignConsumerContract1",          "Parallel":
true          },          {          "CatalogMoid": "xxxxxx",          "ClassId":
"workflow.WorkerTask",          "Description": "Creates a contract
between EPGs",          "InputParameters": {          "AP":
"${workflow.input.NAME}",          "EPG": "Private-EPG",
"NAME": "Public-to-Private",          "TENANT":
"${workflow.input.NAME}",          "Target":
"${workflow.input.Target}"          },          "Label": "Assign
Provider Contract",          "Name": "AssignProviderContract1",

```

```

"ObjectType": "workflow.WorkerTask", "OnFailure": "",
"OnSuccess": "SuccessEndTask", "RollbackDisabled": false,
"TaskDefinitionId": "62ab2a96696f6e2d336861ec",
"TaskDefinitionName": "AssignProviderContract", "UseDefault":
false, "VariableParameters": null, "Version":
1 }, { "ClassId": "workflow.SuccessEndTask",
"Description": "", "Label": "", "Name":
"SuccessEndTask", "ObjectType":
"workflow.SuccessEndTask" }, { "ClassId":
"workflow.FailureEndTask", "Description": "", "Label":
"", "Name": "FailureEndTask", "ObjectType":
"workflow.FailureEndTask" }, { "CatalogMoid":
"xxxxx", "ClassId": "workflow.WorkerTask",
"Description": "Assign Consumer EPG to Contract",
"InputParameters": { "AP": "${workflow.input.NAME}",
"EPG": "Public-EPG", "NAME": "Public-to-Private",
"TENANT": "${workflow.input.NAME}", "Target":
"${workflow.input.Target}" }, "Label": "Assign
Consumer Contract", "Name": "AssignConsumerContract1",
"ObjectType": "workflow.WorkerTask", "OnFailure": "",
"OnSuccess": "AssignProviderContract1", "RollbackDisabled":
false, "TaskDefinitionId": "62ab2a96696f6e2d336861f8",
"TaskDefinitionName": "AssignConsumerContract", "UseDefault":
false, "VariableParameters": null, "Version":
1 }, { "CatalogMoid": "xxxxx", "ClassId":
"workflow.WorkerTask", "Description": "",
"InputParameters": { "FILTER": "Allow-
{{ index .global.workflow.input.PORT .iteration}}", "NAME":
"${workflow.input.NAME}", "Target":
"${workflow.input.Target}" }, "Label": "Assign
Filter to Contract", "Name": "AssignFiltertoContract1",
"ObjectType": "workflow.WorkerTask", "OnFailure": "",
"OnSuccess": "", "RollbackDisabled": false,
"TaskDefinitionId": "62ab2a97696f6e2d33686203",
"TaskDefinitionName": "AssignFiltertoContract", "UseDefault":
false, "VariableParameters": null, "Version":
1 } ], "uiInputFilters": "", "uiRenderingData":

```

```
{
  "Positions": [
    {
      "Name": "StartTask",
      "X": 193.37934772363099,
      "Y": 77.9168159110187
    },
    {
      "Name": "SuccessEndTask",
      "X": 193.37934772363099,
      "Y": 1356.4168159110188
    },
    {
      "Name": "FailureEndTask",
      "X": 335.3793477236313,
      "Y": 1356.4168159110188
    },
    {
      "Name": "CreateTenant1",
      "X": 108.37934772363076,
      "Y": 149.41681591101863
    },
    {
      "Name": "API",
      "X": 108.37934772363076,
      "Y": 413.416815911019
    },
    {
      "Name": "parallelLoop1",
      "X": 98.37934772363077,
      "Y": 765.416815911019
    },
    {
      "Name": "CreateFilter2",
      "X": 108.87934772363073,
      "Y": 856.4168159110192
    },
    {
      "Name": "CreateContract1",
      "X": 108.37934772363076,
      "Y": 677.4168159110191
    },
    {
      "Name": "parallelLoop2",
      "X": 98.37934772363077,
      "Y": 972.4168159110191
    },
    {
      "Name": "CreateEPG1",
      "X": 108.37934772363076,
      "Y": 501.4168159110192
    },
    {
      "Name": "CreateEPG2",
      "X": 108.37934772363076,
      "Y": 589.4168159110195
    },
    {
      "Name": "CreateVRF1",
      "X": 108.37934772363076,
      "Y": 237.41681591101855
    },
    {
      "Name": "CreateBD1",
      "X": 108.37934772363076,
      "Y": 325.4168159110186
    },
    {
      "Name": "AssignProviderContract1",
      "X": 108.37934772363076,
      "Y": 1268.4168159110195
    },
    {
      "Name": "AssignConsumerContract1",
      "X": 108.37934772363076,
      "Y": 1180.4168159110197
    },
    {
      "Name": "AssignFiltertoContract1",
      "X": 108.37934772363073,
      "Y": 1063.4168159110193
    }
  ],
  "variableDefinition": "",
  "version": 1,
  "workflowMetadata": "",
  "tags": [
    {
      "Key": "category",
      "Value": "ACI"
    },
    {
      "Key": "organizations",
      "Value": "default",
      "moid": "xxxxxx"
    }
  ]
}
```

Parameter Details:

Table 79 – GetWorkflows

| Parameter Name   | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| organizationMoid | String   | N         | To filter the list on specific organizationMoid.                                                                                                                                                                                                                                                                                                                                                                                      |
| controlId        | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                             |
| async            | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| Callback         | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                               |
| addlparam        | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.2.7 GetDeviceRegistration

This method is used to return the list of GetDeviceRegistration of Cisco Intersight created in MyCloud.

Method Signature:

GetDeviceRegistration (async, callback, addlparam)

Sample Response:

```
{  "totalRecords": 1,  "records": [    {      "moid": "xxxxxx",      "entityId": "CICODR-A109F2DD-1AB2-4760-BF23-6DC768D613D8",      "objectType": "asset.DeviceRegistration",      "classId":
```

```

"asset.DeviceRegistration",      "claimedByUser": {      "ClassId":
"mo.MoRef",      "Moid": "xxxxxx",      "ObjectType": "iam.User",
"link": "https://<enter URL>"      },      "claimedByUsername":
"abc@hcl.com",      "clusterMembers": [      {      "ClassId":
"mo.MoRef",      "Moid": "xxxxxx",      "ObjectType":
"asset.ClusterMember",      "link": "https://<enter URL>"      },
{      "ClassId": "mo.MoRef",      "Moid":
"xxxxxx",      "ObjectType": "asset.ClusterMember",      "link":
"https://<enter URL>"      },      {      "ClassId": "mo.MoRef",
"Moid": "xxxxxx",      "ObjectType": "asset.ClusterMember",
"link": "https://<enter URL>"      }      ],      "connectionReason":
"",      "connectionStatus": "Connected",      "deviceClaim":
{      "ClassId": "mo.MoRef",      "Moid": "xxxxxx",
"ObjectType": "asset.DeviceClaim",      "link": "https://<enter URL>"
},      "deviceConfiguration": {      "ClassId": "mo.MoRef",
"Moid": "xxxxxx",      "ObjectType": "asset.DeviceConfiguration",
"link": "https://<enter URL>"      },      "deviceHostname":
[      "NOICLD-HX"      ],      "deviceExternalIpAddress": [      "
xxx.xx.x.xx      "      ],      "deviceIpAddress": [      " xxx.xx.x.xx
"      ],      "pid": [      "HX220C-M5SX"      ],      "platformType":
"HX",      "vendor": "HyperFlex StorageController 3.0.1i",
"device": "",      "tags": "",      "organizations": []      }  ]}

```

#### Parameter Details:

Table 80 – GetDeviceRegistration

| Parameter Name | Type    | Mandatory | Description                                                                                                                                                                                                                                                                                                         |
|----------------|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| async          | Boolean | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p> |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                   |
| Addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

## 4.3 AWS JavaScript Library

This section contains the list of all AWS JavaScript's methods that is used in UI form to bind controls.

### 4.3.1 GetAWSRegion (AWS Region)

This method is used to return the list of regions of Amazon created in MyCloud.

Method Signature:

GetAWSRegion(controlId, async, callback, addlparam)

Sample Response:

```
[{"RegionEntityID":"REG-F30425F3-DCCE-4243-B61F-1D7ED88431EB", "RegionName":"us-east-1", "ID":"44", "IsActive":"Y", "CityName":"Virginia", "Longitude":"","Latitude":"","DisplayName":"US East (N. Virginia)", "Createdby":"","CreatedDate":"7/11/2019 7:25:18 AM", "ModifyBy":"","ModifiedDate":"","IsDeleted":"N", "IsSynced":"N", "PlatformCode":"AMAZN", "text":"us-east-1"}]
```

Parameter Details:

Table 81 – GetAWSRegion

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                         |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                  |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.3.2 GetAWSAvailabilityZone (AWS Availability Zones)

This method is used to return the list of availability zones of Amazon in MyCloud.

Method Signature:

GetAWSAvailabilityZone(regionName, controlId, async, callback, addlparam)

Sample Response:

```
[{"ID": "14", "Name": "us-east-1a", "RegionName": "us-east-1", "text": "us-east-1a"}, {"ID": "15", "Name": "us-east-1b", "RegionName": "us-east-1", "text": "us-east-1b"}]
```

Parameter Details:

Table 82 – GetAWSAvailabilityZone

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| regionName     | String   | N         | <p>If region name is passed, then details of passed region are returned.</p> <p>If blank "" is passed, then detail of all AZURE will be returned/bind to the control.</p>                                                                                                                                                                                                                                                                                 |
| controlId      | String   | N         | <p>Id of 'Select' control to be populated.</p> <p>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.</p>                                                                                                                                                                                                                                      |
| async          | Boolean  | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p>                                                                                                                                       |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                   |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.3.3 GetAWSVPC (AWS Virtual Private Cloud(VPC))

This method is used to return the list of AWS Virtual Private Clouds in MyCloud.

Method Signature:

GetAWSVPC(regionName, locationName, controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"ID": "VPC-1D40240F-CFE9-496F-8412-8F69D10B59BF", "Name": "vpc-0547812492088dcc8", "VPCName": "vpc-0547812492088dcc8", "RegionName": "us-east-1", "text": "vpc-0547812492088dcc8"}]
```

Parameter Details:

Table 83 – GetAWSVPC

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                         |
|----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| regionName     | String   | N         | <p>If region name is passed, then details of passed region's VPC are returned.</p> <p>If blank "" is passed, then detail of all AWS's VPC will be returned/bind to the control.</p>                                                                                                                                 |
| locationName   | String   | N         | <p>If location name is passed, then details of passed location's VPC are returned.</p> <p>If blank "" is passed, then detail of all AWS's VPC will be returned/bind to the control.</p>                                                                                                                             |
| controlId      | String   | N         | <p>Id of 'Select' control to be populated.</p> <p>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.</p>                                                                                                |
| async          | Boolean  | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p> |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                             |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                             |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p>                                                        |

| Parameter Name | Type | Mandatory | Description                                                                                                     |
|----------------|------|-----------|-----------------------------------------------------------------------------------------------------------------|
|                |      |           | To sort the data based on column name. e.g.,<br>sortby="keyname"                                                |
|                |      |           | To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC<br>(descending). e.g., sortorder="ASC" |

#### 4.3.4 GetAWSSubNet (AWS Subnets)

This method is used to return the list of AWS subnets in MyCloud.

Method Signature:

GetAWSSubNet(locationName, vpcName, controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"Value": "SUB-EA303156-898A-4125-BE0F-3DEEF685A5D4", "Name": "subnet-0b2b03f586457b34d", "VPCID": "vpc-0547812492088dcc8", "LocationName": "us-east-1a", "RegionName": "us-east-1", "text": "subnet-0b2b03f586457b34d"}]
```

Parameter Details:

Table 84 – GetAWSSubNet

| Parameter Name | Type    | Mandatory | Description                                                                                                                                                                                               |
|----------------|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| locationName   | String  | N         | If region name is passed, then details of passed region are returned.<br>If blank "" is passed, then detail of all AWS's Subnets will be returned/bind to the control.                                    |
| vpcName        | String  | N         | If VPC Name is passed, then details of passed VPC's Subnet are returned.<br>If blank "" is passed, then detail of all AWS's Subnets will be returned/bind to the control.                                 |
| controlId      | String  | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format. |
| async          | Boolean | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>true:                                                           |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |          |           | Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                                                                                                                                                                                                          |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                                                                                                                                                                   |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                   |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.3.5 GetAWSEIP (AWS Elastic IP)

This method is used to return the list of AWS elastic IPs in MyCloud.

Method Signature:

GetAWSEIP(regionName, controlId, async, callback, addlparam)

Sample Response:

```
"[{\"PublicIp\":\"xxx.xx.x.xx\", \"Domain\":\"vpc\", \"AllocationID\":\"eipalloc-0970a56f11497b932\", \"AssociationID\":\"\", \"InstanceID\":\"\", \"NICID\":\"\", \"PrivateIPAddress\":\"\", \"RegionName\":\"us-east-1\", \"IsActive\":\"N\", \"text\":\"vpc\"}]\""
```

Parameter Details:

Table 85 – GetAWSEIP

| Parameter Name | Type   | Mandatory | Description                                                                        |
|----------------|--------|-----------|------------------------------------------------------------------------------------|
| regionName     | String | N         | If region name is passed, then details of passed region's Elastic IP are returned. |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |          |           | If blank "" is passed, then detail of all AWS's Elastic IP will be returned/bind to the control.                                                                                                                                                                                                                                                                                                                                          |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                 |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| callback       | Function | N         | User can pass function name that can be executed on completion of the Parent function call.                                                                                                                                                                                                                                                                                                                                               |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.3.6 GetAWSInstanceType (AWS Instance Type)

This method is used to return the list of AWS Instance type (Size) for creating resources.

Method Signature:

GetAWSInstanceType(controlId, async, callback, addlparam)

Sample Response:

```
[{"Name": "A1", "Value": "a1.medium", "SizeDescription": "a1.medium  
(vCPU          :          1,          vMemory          :          2.00  
GB) ", "SizeID": "36", "PlatformEntityTypeCode": "AMAZN", "vCPU": "1", "vMem
```

```

ory":"2.00","Storage":"","StorageType":"SRT6","NoOfDrive":"5","Drive
Size":"","ComputeUnit":"","IOPerf":"Moderate","MaxNIC":"","MaxPrivat
eIPsPerNIC":"","Architecture":"32,64","RootDrive":"EBS","OSType":"0,
1","IsVPC":"Y","JSONCode":"","JSONType":"","IsActive":"Y","text":"al
.medium"}]

```

#### Parameter Details:

Table 86 – GetAWSInstanceType

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                             |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                               |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.3.7 GetAWSLoadBalancer (AWS Load Balancer)

This method is used to return the list of AWS load balancers in MyCloud.

Method Signature:

GetAWSLoadBalancer(regionName, controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[ [{"Value": "ELB-D4BA1095-0ECF-47B8-A9EF-9903C5D03E44", "Name": "mcl-d-  
test-class-lb", "RegionName": "us-east-1", "text": "mcl-d-test-class-  
lb"} ] ]
```

Parameter Details:

Table 87 – GetAWSLoadBalancer

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                      |
|----------------|----------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| regionName     | String   | N         | If region name is passed, then details of passed region's Load Balancer are returned.<br>If blank "" is passed, then detail of all AWS will be returned/bind to the control.                                                                                                                     |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                        |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                          |
| callback       | Function | N         | User can pass function name that can be executed on completion of the Parent function call.                                                                                                                                                                                                      |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records.<br>It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"                                                                    |

| Parameter Name | Type | Mandatory | Description                                                                                                                                                                                                         |
|----------------|------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |      |           | <p>To Sort By:</p> <p>To sort the data based on column name. e.g.,<br/>sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.3.8 GetAWSSecurityGroup (AWS Security Group)

This method is used to return the list of AWS security groups in MyCloud.

Method Signature:

GetAWSSecurityGroup(regionName, vpcName, controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"Value": "sg-0075806ff1108b1cd", "Name": "launch-wizard-4", "RegionName": "us-east-1", "VPCID": "vpc-0547812492088dcc8", "text": "launch-wizard-4"}]
```

Parameter Details:

Table 88 – GetAWSSecurityGroup

| Parameter Name | Type    | Mandatory | Description                                                                                                                                                                                                          |
|----------------|---------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| regionName     | String  | N         | <p>If region name is passed, then details of passed region's security groups are returned.</p> <p>If blank "" is passed, then detail of all AWS's Security Groups will be returned/bind to the control.</p>          |
| vpcName        | String  | N         | <p>If VPC Name is passed, then details of passed VPC's security Groups are returned.</p> <p>If blank "" is passed, then detail of all AWS's Security Groups will be returned/bind to the control.</p>                |
| controlId      | String  | N         | <p>Id of 'Select' control to be populated.</p> <p>If Id Control of dynamic UI is passed, then control will be populated with values return from this function Else "Result set" will be returned in JSON format.</p> |
| async          | Boolean | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete</p> <p>In case it's True:</p>                                           |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |          |           | Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                                                                                                                                                                                                              |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                                                                                                                                                                       |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                       |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output.<br/>e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortBy="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortOrder="ASC"</p> |

#### 4.3.9 GetAWSKeyPairs (AWS Key Pair)

This method is used to return the list of AWS key pairs in MyCloud.

Method Signature:

GetAWSKeyPairs(regionName, controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"Value": "KEYPAIR-2D48E3C0-33D8-46EB-A9F8-268FE55BFD66", "Name": "xxxxx", "RegionName": "us-east-1", "text": "xxxx"}, {"Value": "KEYPAIR-A4A68A62-25AB-4230-BB60-7709ED736B07", "Name": "xxxxxxx", "RegionName": "us-east-1", "text": "xxxxxxx"}]
```

Parameter Details:

Table 89 – GetAWSKeyPairs

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                           |
|----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| regionName     | String   | N         | <p>If region name is passed, then details of passed region are returned.</p> <p>If blank "" is passed, then detail of all AWS's Key pair will be returned/bind to the control.</p>                                                                                                                                                    |
| controlId      | String   | N         | <p>Id of 'Select' control to be populated.</p> <p>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.</p>                                                                                                                  |
| async          | Boolean  | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p>                   |
| servicePlanId  | String   | N         | <p>Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.</p>                                                                                                                                                                                                                        |
| callback       | Function | N         | <p>User can pass function name that can be executed on completion of Parent function call.</p>                                                                                                                                                                                                                                        |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g.,<br/>filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> |

| Parameter Name | Type | Mandatory | Description                                                                                                     |
|----------------|------|-----------|-----------------------------------------------------------------------------------------------------------------|
|                |      |           | To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g.,<br>sortorder="ASC" |

#### 4.3.10 GetAWSEBS (AWS Elastic Block Store (EBS))

This method is used to return the list of AWS EBS in MyCloud.

Method Signature:

GetAWSEBS(regionName, availabilityZone, controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"Value": "VOL-93945ECE-92E6-4950-A5E4-C70D2B796C85", "Name": "vol-06a7711f7705f5d5a", "Size": "8", "IsRootDevice": "N", "InstanceID": "i-02a6841301e36ce1e", "UserEntityID": "", "OrgEntityID": "", "RegionName": "us-east-1", "AvailabilityZoneName": "us-east-1a", "AttachmentTime": "2019-12-18 10:18:43", "AttachmentStatus": "attached", "DeviceName": "/dev/xvda", "IsActive": "Y", "EBSType": "gp2", "IOPS": "100", "ParentSnapshotEntityID": "", "AlarmStatus": "", "EBSState": "1", "TagName": "", "PlatformEntityID": "AMAZN-C4081632-96CD-4867-BC28-AE221DB7ECB5", "text": "vol-06a7711f7705f5d5a"}]
```

Parameter Details:

Table 90 – GetAWSEBS

| Parameter Name   | Type   | Mandatory | Description                                                                                                                                                                               |
|------------------|--------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| regionName       | String | N         | If region name is passed, then details of passed region's EBS are returned.<br>If blank "" is passed, then detail of all AWS's EBS will be returned/bind to the control.                  |
| availabilityZone | String | N         | If Availability Zone is passed, then details of passed Availability Zone's EBS are returned.<br>If blank "" is passed, then detail of all AWS's EBS will be returned/bind to the control. |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------|----------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                    |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously.<br>Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                                                                                                                                                      |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                      |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output. e.g.,<br>filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g.,<br>sortorder="ASC" |

#### 4.3.11 GetAWSNIC (AWS Network Interface (NIC))

This method is used to return the list of AWS NICs in MyCloud.

Method Signature:

GetAWSNIC(regionName, instanceId, subnetId, controlId, async, servicePlanId, callback, addParam)

Sample Response:

```
[{"Value": "9", "Name": "eni-0adc5ad816f05292a", "RegionName": "us-east-1", "text": "eni-0adc5ad816f05292a"}, {"Value": "16", "Name": "eni-08e2a3edeb0bd56a8", "RegionName": "us-east-1", "text": "eni-08e2a3edeb0bd56a8"}]
```

Parameter Details:

Table 91 – GetAWSNIC

| Parameter Name | Type    | Mandatory | Description                                                                                                                                                                                               |
|----------------|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RegionName     | String  | N         | If region name is passed, then details of passed region's NIC are returned.<br>If blank "" is passed, then detail of all AWS's NIC will be returned/bind to the control.                                  |
| instanceId     | String  | N         | If Instance ID is passed, then details of passed Instance Id's NIC are returned.<br>If blank "" is passed, then detail of all AWS's NIC will be returned/bind to the control.                             |
| subnetId       | String  | N         | If Subnet ID is passed, then details of passed Subnet Id's NIC are returned.<br>If blank "" is passed, then detail of all AWS's NIC will be returned/bind to the control.                                 |
| controlId      | String  | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format. |
| async          | Boolean | N         | In case it's False:                                                                                                                                                                                       |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------|----------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |          |           | <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:<br/>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p>                                                                                                                                                                    |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                                                                                                                                                                  |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                  |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:<br/>To filter records based on column name received from output. e.g.,<br/>filter="keyname='keyvalue'"</p> <p>To Sort By:<br/>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:<br/>To define sorting order either ASC (Ascending) or DESC (descending). e.g.,<br/>sortorder="ASC"</p> |

#### 4.3.12 GetAWSInstancesVMs (AWS Instance (VMs))

This method is used to return the list of AWS machines (VMs) and their complete information created in MyCloud.

Method Signature:

GetAWSInstancesVMs(regionName, availabilityZone, instanceType, controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"Value": "INST-9643533F-E105-4E59-AA0E-CEA0F4BE6E52", "Name": "i-02a6841301e36ce1e", "text": "i-02a6841301e36ce1e"}, {"Value": "INST-2E3F63AB-3AED-4B99-87C9-FC7107236F9B", "Name": "i-055334c2137f1b525", "text": "i-055334c2137f1b525"}]
```

Parameter Details:

Table 92 – GetAWSInstancesVMs

| Parameter Name   | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                     |
|------------------|----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| regionName       | String   | N         | If region name is passed, then details of passed region's Instance (VMs) are returned.<br>If blank "" is passed, then detail of all AWS's Instances will be returned/bind to the control.                                                                                                       |
| availabilityZone | String   | N         | If Availability Zone is passed, then details of passed availability zone's Instance (VMs) are returned.<br>If blank "" is passed, then detail of all AWS's Instance (VMs) will be returned/bind to the control.                                                                                 |
| instanceType     | String   | N         | If Instance type is passed, then details of passed Instance (VMs) are returned.<br>If blank "" is passed, then detail of all AWS's Instance (VMs) will be returned/bind to the control.                                                                                                         |
| controlId        | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                       |
| async            | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| servicePlanId    | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                         |
| callback         | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                         |
| addlparam        | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br>To Filter:                                                                                                                                                                        |

| Parameter Name | Type | Mandatory | Description                                                                                                                                                                                                                                                                                                               |
|----------------|------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |      |           | <p>To filter records based on column name received from output.<br/>e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.3.13 GetAWSVPCID (AWS VPC)

This method is used to return the details of VPC in JSON format of specific Subnets created for provisioning platform of Amazon in MyCloud.

Method Signature:

GetAWSVPCID(subnetName, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"ID": "VPC-72AA2F4B-62E2-4D5F-8222-BBBD23F290B6", "Name": "vpc-0547812492088dcc8", "text": "vpc-0547812492088dcc8"}, {"ID": "VPC-72AA2F4B-62E2-4D5F-8222-BBBD23F290B6", "Name": "vpc-0547812492088dcc8", "text": "vpc-0547812492088dcc8"}]
```

Parameter Details:

Table 93 – GetAWSVPCID

| Parameter Name | Type    | Mandatory | Description                                                                                                                                                                                                                                                                                                         |
|----------------|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| subnetName     | String  | N         | <p>If subnet name is passed, then details of passed Subnets' VPC are returned.</p> <p>If blank "" is passed, then detail of all AWS's VPC will be returned in JSON format.</p>                                                                                                                                      |
| async          | Boolean | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p> |
| servicePlanId  | String  | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                             |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                   |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.3.14 GetAWSSnapshots(AWS Snapshots)

This method is used to return the list of Snapshots and their complete information created in MyCloud.

Method Signature:

GetAWSSnapshots(controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"SnapshotId": "snap-0088c1d91ca477868",
  "text": "snap-0088c1d91ca477868",
  "DataEncryptionKeyId": "",
  "Description": "Created by CreateImage(i-02be28ba4bf32d586) for ami-040f8cf979c1d8202",
  "Encrypted": "false",
  "KmsKeyId": "",
  "OwnerId": "016701022611",
  "OwnerAlias": "",
  "Progress": "100%",
  "State": "completed",
  "StateMessage": "",
  "VolumeId": "vol-0264cc4c389035612",
  "VolumeSize": "80",
  "RegionName": "us-east-1",
```

```

    "Tags":      [{"Purpose":      "Failover_AMI"}, {"Owner":
""}, {"Expiry": "No"}],
    "IsActive": "Y"
  }]

```

Parameter Details:

Table 94 – GetAWSSnapshots

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else<br>"Result set" will be returned in JSON format.                                                                                                                                                                                                                              |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                       |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                                                                                                                                                   |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                   |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name.<br>e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.3.15 GetOrgWiseAWSSizeDetails (AWS Sizes)

This method is used to return the list of Size based on Organization and Zone and their complete information created in MyCloud.

Method Signature:

GetOrgWiseAWSSizeDetails(Zone, controlId, async, callback, addlparam)

Sample Response:

```
[{"SizeID": 113,
  "PlatformEntityTypeCode": "AMAZN",
  "SizeName": "c5a.4xlarge",
  "InstanceTypeName": "c5a",
  "SizeDescription": "c5a.4xlarge (vCPU:16, Memory:
32.00) ",
  "CPU": 16,
  "Memory": 32.00,
  "Storage": null,
  "StorageType": "SRT6",
  "DriveSize": null,
  "ComputeUnit": null,
  "IOPerf": "Up to 10 Gigabit",
  "MaxNIC": 8,
  "MaxPrivateIPsPerNIC": 30,
  "Architecture": "x86_64",
  "RootDrive": "EBS",
  "OSType": "0,1",
  "IsVPC": "Y",
  "JSONCode": null,
  "JSONType": null,
  "RegionName": "ap-east-1",
  "CityName": "Hong Kong",
  "Longitude": null,
  "Latitude": null,
  "DisplayName": "Asia Pacific (Hong Kong)",
  "LocationName": "ap-east-1a",
  "LocationDescription": "ap-east-1a",
  "text": "AMAZN"
}]
```

Parameter Details:

Table 95 – GetAWSSnapshots

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------|----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Zone           | String   | Y         | If Zone is passed, then details of passed region are returned.                                                                                                                                                                                                                                                                                                                                                                                        |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                             |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                                  |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                                                                                                                                                               |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                               |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br><br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br><br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br><br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.4 VMWARE JavaScript Library

This document contains the list of all VMWARE JavaScript's methods that is used in UI form to bind controls.

#### 4.4.1 GetServiceCategories (VMware Service Category)

This method is used to return underlying VMWare Platform's all Service Categories and used to bind the "Select control". If "select control" is passed to the function then Service Categories will be populated in control, if control is not passed then it returns the details in JSON format.

Method Signature:

GetServiceCategories (controlId, async, callback)

Sample Response:

```
[{"Id": "11", "text": "Back Up", "vcDescription": "It will take backup of server at night."}, {"Id": "1", "text": "Compute Services", "vcDescription": "Compute Services"}]
```

Parameter Details:

Table 96 – GetServiceCategories

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                      |
|----------------|----------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                        |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                          |

#### 4.4.2 GetVmwareCluster (VMware Cluster)

This method is used to return the list of vCenter clusters in MyCloud.

Method Signature:

GetVmwareCluster(dcName, controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"ActualIDOnEnvironment": "9", "Name": "secondary-compute", "DatacenterName": "secondary-site-datacenter", "DatacenterActaulID": "2", "text": "secondary-compute"}]
```

Parameter Details:

Table 97 – GetVmwareCluster

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                            |
|----------------|----------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| dcName         | String   | N         | Datacenter Name                                                                                                                                                                                                                                                                                                                                        |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                              |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                   |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                                                                |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br><br>To filter records based on column name received from output. e.g.,<br>filter="keyname='keyvalue'"<br><br>To Sort By:<br><br>To sort the data based on column name.<br>e.g., sortby="keyname"<br><br>To Sort Order: |

| Parameter Name | Type | Mandatory | Description                                                                                |
|----------------|------|-----------|--------------------------------------------------------------------------------------------|
|                |      |           | To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.4.3 GetVmwareHost (VMware Host)

This method is used to return the list of vCenter hosts in MyCloud.

Method Signature:

GetVmwareHost(clusterName, controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"ActualIDOnEnvironment":"911", "Name":"xxxxxxxxx.xxxxxxxxx.xxx", "ClusterName":"secondary-mgmt", "ClusterActualID":"7", "text":"xxxxxxxxx.xxxxxxxxx.xxx"}]
```

Parameter Details:

Table 98 – GetVmwareHost

| Parameter Name | Type    | Mandatory | Description                                                                                                                                                                                                                                                                                             |
|----------------|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| clusterName    | String  | N         | If Cluster is passed, then details of passed Cluster's Host are returned.<br>If blank "" is passed, then detail of all VMware's Host will be returned/bind to the control.                                                                                                                              |
| controlId      | String  | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                               |
| async          | Boolean | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously.<br>Execution will not wait for method execution completion. It will jump to next statement. |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                                                                                                                                                                       |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                       |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g.,<br/>filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.4.4 GetVmwareStorage (VMware Storage)

This method is used to return the list of vCenter storage in MyCloud.

Method Signature:

GetVmwareStorage(clusterName, hostName, controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"ActualIDOnEnvironment":"1014","Name":"SharedDatastore05","EntityID":"STR-CEB4D097-D566-4353-8213-C745E7DD2E78","PlatformEntityID":"VMWAR-5F0B2646-3D78-4D27-9509-013E122E01EB","TotalCapacityInGB":"9215.75","FreeCapacityInGB":"1612.84","UsedCapacityInGB":"7602.91","DiskType":"VMFS","StorageName":"SharedDatastore05","text":"SharedDatastore05"}]
```

Parameter Details:

Table 99 – GetVmwareStorage

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------|----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| clusterName    | String   | N         | <p>If Cluster is passed, then details of passed Cluster's Storage are returned.</p> <p>If blank "" is passed, then detail of all VMware's Storage will be returned/bind to the control.</p>                                                                                                                                                                                                                                                                 |
| hostname       | String   |           | <p>If Host is passed, then details of passed Host's Storage are returned.</p> <p>If blank "" is passed, then detail of all VMware's Storage will be returned/bind to the control.</p>                                                                                                                                                                                                                                                                       |
| controlId      | String   | N         | <p>Id of 'Select' control to be populated.</p> <p>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.</p>                                                                                                                                                                                                                                        |
| async          | Boolean  | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to the next statement.</p>                                                                                                                                     |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                                                                                                                                                                     |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                     |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output.<br/>e.g., filter="keyname=keyvalue"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |
| NetworkType    | string   | N         | If NetworkType is passed, then the details of passed Network type are returned.                                                                                                                                                                                                                                                                                                                                                                             |

#### 4.4.5 GetVmwareResource (VMware Resource)

This method is used to return the list of vCenter resources in MyCloud.

Method Signature:

GetVmwareResource(clusterName, controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"ActualIDOnEnvironment": "8", "Name": "Resources", "text": "Resources"}, {"ActualIDOnEnvironment": "981", "Name": "DR-MGMT", "text": "DR-MGMT"}]
```

Parameter Details:

Table 100 – GetVmwareResource

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                          |
|----------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| clusterName    | String   | N         | If Cluster is passed, then details of passed Cluster's Resource are returned.<br>If blank "" is passed, then detail of all VMware's Resource will be returned/bind to the control.                                                                                                                   |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                            |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to the next statement. |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                              |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                              |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output.<br>e.g., filter="keyname='keyvalue'"<br><br>To Sort By:                                                     |

| Parameter Name | Type | Mandatory | Description                                                                                                                                                                                       |
|----------------|------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |      |           | <p>To sort the data based on column name. e.g.,<br/>sortby="keyname"</p> <p>To Sort Order:<br/>To define sorting order either ASC (Ascending) or DESC<br/>(descending). e.g., sortorder="ASC"</p> |

#### 4.4.6 GetVmwareNetwork (VMware Network)

This method is used to return the list of vCenter network in MyCloud.

Method Signature:

GetVmwareNetwork(clusterName, hostName, controlId, async, servicePlanId, callback, addlparam, NetworkType)

Sample Response:

```
[{"ActualIDOnEnvironment": "1566", "Name": "vxw-dvs-48-virtualwire-9-sid-7004-DR-DEV-DB-CP", "EntityID": "NTW-04FCCCEE-87BD-451B-B150-6CE6A302055E", "text": "vxw-dvs-48-virtualwire-9-sid-7004-DR-DEV-DB-CP"}]
```

Parameter Details:

Table 101 – GetVmwareNetwork

| Parameter Name | Type    | Mandatory | Description                                                                                                                                                                                                          |
|----------------|---------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| clusterName    | String  | Y         | <p>If Cluster is passed, then details of passed Cluster's Network are returned.</p> <p>If blank "" is passed, then detail of all VMware's network will be returned/bind to the control.</p>                          |
| hostName       | String  | Y         | <p>If Host is passed, then details of passed Host's Network are returned.</p> <p>If blank "" is passed, then detail of all VMware's network will be returned/bind to the control.</p>                                |
| controlId      | String  | N         | <p>Id of 'Select' control to be populated.</p> <p>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.</p> |
| async          | Boolean | N         | <p>In case it's False:<br/>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p>                                             |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------|----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |          |           | Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                                                                                                                                                                                                                  |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                                                                                                                                                                           |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                           |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output.<br/>e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g.,<br/>sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |
| NetworkType    | string   | N         | If NetworkType is passed, then details of passed Network type are returned.                                                                                                                                                                                                                                                                                                                                                                                       |

#### 4.4.7 GetVmwareDatacenter (VMware Data Center)

This method is used to return the list of vCenter datacenter information in MyCloud.

Method Signature:

GetVmwareDatacenter(controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"ActualIDOnEnvironment":"2", "Name":"secondary-site-datacenter", "text":"secondary-site-datacenter"}]
```

Parameter Details:

Table 102 – GetVmwareDatacenter

| Parameter Name       | Type            | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------|-----------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>controlId</i>     | <i>String</i>   | <i>N</i>  | <p><i>Id of 'Select' control to be populated.</i></p> <p><i>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.</i></p>                                                                                                                                                                                                                                                                                    |
| <i>async</i>         | <i>Boolean</i>  | <i>N</i>  | <p><i>In case it's False:</i></p> <p><i>Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete</i></p> <p><i>In case it's True:</i></p> <p><i>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</i></p>                                                                                                                                                                        |
| <i>servicePlanId</i> | <i>String</i>   | <i>N</i>  | <i>Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.</i>                                                                                                                                                                                                                                                                                                                                                                                                        |
| <i>callback</i>      | <i>Function</i> | <i>N</i>  | <i>User can pass function name that can be executed on completion of Parent function call.</i>                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <i>addlparam</i>     | <i>Object</i>   | <i>N</i>  | <p><i>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</i></p> <p><i>To Filter:</i></p> <p><i>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</i></p> <p><i>To Sort By:</i></p> <p><i>To sort the data based on column name. e.g.,</i><br/><i>sortby="keyname"</i></p> <p><i>To Sort Order:</i></p> <p><i>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</i></p> |

#### 4.4.8 GetSize (VMware Size)

This method is used to return the list of size applicable for VMWAR environment.

Method Signature:

GetSize(controlId, async, callback, addlparam)

Description:

This method is used to get all VMWare Size.

Sample Response:

```
[{"SizeID":"1","SizeDescription":"Small (vCPU : 1, Memory : 2 GB) ", "Name":"Small", "vCPU":"1", "Memory":"2", "DiskSize":"80", "text":"Small (vCPU : 1, Memory : 2 GB)"}]
```

#### Parameter Details:

Table 103 – GetSize

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                 |
|----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function Else "Result set" will be returned in JSON format.                                                                                                                                   |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                        |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                     |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output. e.g.,<br>filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order: |

| Parameter Name | Type | Mandatory | Description                                                                                |
|----------------|------|-----------|--------------------------------------------------------------------------------------------|
|                |      |           | To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.4.9 GetDataCenterClusterResource (VMware Data Center, Cluster, Resource)

This method is used to get VMWare Platform's Datacenter details based on the cluster parameter in MyCloud.

Method Signature:

GetDataCenterClusterResource(cluster, controlId, async, callback, addlparam)

Sample Response:

```
[{"DatacenterEntityId":"DC-D2C0E668-CBEF-455F-96F6-3F5BCBE9FD16", "text":"primary-site-datacenter", "DatacenterActualIDonEnvironment":"2", "ClusterEntityId":"CL-9406236E-9F57-4ADC-8758-212473FFDA5E", "ClusterName":"primary-compute", "ClusterActualIDonEnvironment":"9", "ResourceEntityId":"RES-778C598C-1537-47E2-8311-8FB94E090E6B", "ResourceName":"Resources", "ResourceActualIDonEnvironment":"10"}]
```

Parameter Details:

Table 104 – GetDataCenterClusterResource

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                          |
|----------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| cluster        | String   | Y         | Cluster must pass to get the details of VMWare's Cluster Datacenter.                                                                                                                                                                                                                                 |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function Else "Result set" will be returned in JSON format.                                                                                            |
| async          |          | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                              |

| Parameter Name | Type   | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------|--------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| addlparam      | Object | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output.<br/>e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g.,<br/>sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.4.10 GetNetworkDetails (VMware Network Details)

This method is used to return the list of vcenter network details in MyCloud.

Method Signature:

GetNetworkDetails (currentNetwork, controlId, async, callback, NetworkType)

Sample Response:

```
[{"NetworkName": "mycloud-vlan-210", "text": "NTW-0AF7B16F-89AC-4700-BDC1-E9017E9E86ED", "NetworkType": "NET_T1", "IP": "xxx.xx.x.xx", "SubnetMask": "255.255.255.0", "DefaultGateway": "xxx.xx.x.xx", "DNSIP": "", "ActualID onEnvironment": "2527", "name": "mycloud-vlan-210", "CustomField1": "", "CustomField2": "", "CustomField3": "", "CustomField4": "", "CustomField5": "", "CustomField6": "", "CustomField7": "", "CustomField8": "", "CustomField9": "", "CustomField10": "", "EntityID": "NTW-0AF7B16F-89AC-4700-BDC1-E9017E9E86ED", "NetworkType1": "DVPORTGROUP"}]
```

Parameter Details:

Table 105 – GetNetworkDetails

| Parameter Name | Type   | Mandatory | Description                             |
|----------------|--------|-----------|-----------------------------------------|
| currentNetwork | String | Y         | Details of passed network are returned. |
| controlId      | String | N         | Id of 'Select' control to be populated. |

|             |          |   |                                                                                                                                                                                                                                                                                                                      |
|-------------|----------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|             |          |   | If Id Control of dynamic UI is passed, then control will be populated with values return from this function else “Result set” will be returned in JSON format.                                                                                                                                                       |
| async       | Boolean  | N | <p>In case it is False:</p> <p>Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete</p> <p>In case it is True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p> |
| callback    | Function | N | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                              |
| NetworkType | String   | N | If NetworkType is passed, then details of passed Network type are returned.                                                                                                                                                                                                                                          |
| NetworkType | String   | N | If NetworkType is passed, then the details of passed Network type are returned.                                                                                                                                                                                                                                      |

#### 4.4.11 GetStorage

This method is used to return the list of vcenter storage based on cluster in MyCloud.

Method Signature:

GetStorage(cluster, controlId, async, callback)

Sample Response:

```
' [{"ActualIDOnEnvironment": "1014", "Name": "SharedDatastore05", "EntityID": "STR-1B84AD01-85CA-4B82-9469-D70F4D377969", "PlatformEntityID": "VMWAR-8F4F7CD3-1E3C-4B57-983A-C2A3E7FACC35", "TotalCapacityInGB": "11763.75", "FreeCapacityInGB": "901.27", "UsedCapacityInGB": "10862.48", "DiskType": "VMFS", "StorageName": "SharedDatastore05", "text": "SharedDatastore05"}, {"ActualIDOnEnvironment": "1016", "Name": "SharedDatastore04", "EntityID": "STR-0550FE1F-C3BF-4ACB-A775-69D0C6BF8333", "PlatformEntityID": "VMWAR-8F4F7CD3-1E3C-4B57-983A-C2A3E7FACC35", "TotalCapacityInGB": "12799.75", "FreeCapacityInGB": "1825.25", "UsedCapacityInGB": "10974.50", "DiskType": "VMFS", "StorageName": "SharedDatastore04", "text": "SharedDatastore04"} ] '
```

Parameter Details:

Table 106 – GetStorage

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                          |
|----------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| cluster        | String   | N         | If Cluster is passed, then details of passed Cluster's Storage are returned.<br>If blank "" is passed, then detail of all VMware's Storage will be returned/bind to the control.                                                                                                                     |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                            |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to the next statement. |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                              |

#### 4.4.12 GetVmwareClusterStorage

This method is used to return the list of vcenter cluster storage available in MyCloud.

Method Signature:

GetVmwareClusterStorage(controlId, async, servicePlanId, callback, addlparam, provisioningEndPointId)

Sample Response:

```
{
  "totalRecords": 0,
  "records": [
    {
      "entityId": "",
      "storageName": "",
      "actualIdOnEnvironment": "",
      "totalCapacityInGB": 0,
      "usedCapacityInGB": 0,
      "freeCapacityInGB": 0,
      "diskType": "",
      "associatedDatacenter": {
        "datacenterName": "",
        "actualIdOnEnvironment": ""
      }
    }
  ]
}
```

```

    },
    "associatedServicePlans": [
      {
        "servicePlanId": "",
        "servicePlanName": ""
      }
    ]
  }
]
}

```

Parameter Details:

Table 107 – GetVmwareClusterStorage

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                      |
|----------------|----------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br><br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                    |
| Async          | Boolean  | N         | In case it's False:<br><br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br><br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to the next statement.                 |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                                          |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                          |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br><br>To filter records based on column name received from output.<br>e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br><br>To sort the data based on column name. e.g.,<br>sortby="keyname" |

| Parameter Name         | Type   | Mandatory | Description                                                                                                  |
|------------------------|--------|-----------|--------------------------------------------------------------------------------------------------------------|
|                        |        |           | To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| provisioningEndPointId | string | N         | To filter the list on specific provisioningEndPointId                                                        |

## 4.5 Hyper V2 JavaScript Library

This document contains the list of all Hyper V2 JavaScript's methods that are used in UI form to bind controls.

### 4.5.1 GetScvmmCloud (Hyper V2 Cloud)

This method is used to return the list of Hyper V2 Cloud (Hyper 2012) in MyCloud.

Method Signature:

GetScvmmCloud(controlId, async, servicePlanId, callback, addParam)

Sample Response:

```
[{"ActualIDOnEnvironment":"23aaf101-3ab7-4df6-8a75-10ef70a14c00","Name":"MyCloud","OrgEntityID":"ORG-29A1B191-7720-44D8-9302-4F89DAC9C896","text":"MyCloud"}]
```

Parameter Details:

Table 108 – GetScvmmCloud

| Parameter Name | Type    | Mandatory | Description                                                                                                                                                                                                                                                                                             |
|----------------|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String  | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                               |
| async          | Boolean | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously.<br>Execution will not wait for method execution completion. It will jump to next statement. |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                                                                                                                                                                               |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                               |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g.,<br/>filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name.<br/>e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g.,<br/>sortorder="ASC"</p> |

#### 4.5.2 GetScvmmHost (Hyper V2 Host)

This method is used to return the list of Hyper V2 Hosts (Hyper 2012) in MyCloud.

Method Signature:

GetScvmmHost(cloudName, controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"ActualIDOnEnvironment":"b25f2c24-b7d1-495a-86fc-f747e6b4f31b", "Name":"xxxxxxxxx.xxxxxxxxx.xxx", "text":"xxxxxxxxx.xxxxxxxxx.xxx"}]
```

Parameter Details:

Table 109 – GetScvmmHost

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------|----------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| cloudName      | String   | Y         | If cloud name is passed, then details of passed cloud are returned.<br>If blank "" is passed, then detail of all HyperV2's Cloud will be returned/bind to the control.                                                                                                                                                                                                                                                                     |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function Else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                  |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                       |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                                                                                                                                                    |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                    |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output.<br>e.g., filter="keyname=keyvalue"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.5.3 GetScvmmStorage (Hyper V2 Storage)

This method is used to return the list of Hyper V2 Storage (Hyper 2012) in MyCloud.

Method Signature:

GetScvmmStorage(cloudName, hostName, controlId, async, callback, addlparam)

Sample Response:

```
[{"ActualIDOnEnvironment":"e31394e6-3411-40d6-9d46-2e483ee38812", "Name": "SATA", "text": "SATA"}]
```

Parameter Details:

Table 110 – GetScvmmStorage

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                             |
|----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| cloudName      | String   | Y         | If cloud name is passed, then details of passed cloud are returned.<br>If blank "" is passed, then detail of all HyperV2's Cloud will be returned/bind to the control.                                                                                                                                                                  |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                               |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                        |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                                                 |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                 |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order: |

| Parameter Name | Type | Mandatory | Description                                                                                |
|----------------|------|-----------|--------------------------------------------------------------------------------------------|
|                |      |           | To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.5.4 GetScvmmNetwork (Hyper V2 Network)

This method is used to return the list of Hyper V2 network (Hyper 2012) in MyCloud.

Method Signature:

GetScvmmNetwork(cloudName, hostName, controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"ActualIDOnEnvironment": "20748a05-8223-419a-a248-8c29c7249bd3", "Name": "MyCloudVMNetwork", "EntityID": "NTW-0D77B629-0B99-4766-A9F3-55B088122640", "text": "MyCloudVMNetwork"}]
```

Parameter Details:

Table 111 – GetScvmmNetwork

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                          |
|----------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| cloudName      | String   | Y         | User has to pass cloud name, then details of passed cloud are returned.                                                                                                                                                                                                                              |
| hostName       | String   | Y         | User has to pass host name, then details of passed cloud are returned.                                                                                                                                                                                                                               |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                            |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                              |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                              |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:                                                                                                                                                                         |

| Parameter Name | Type | Mandatory | Description                                                                                                                                                                                                                                                                                                           |
|----------------|------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |      |           | <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort by:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

## 4.6 GCP JavaScript Library

This section contains the list of all GCP JavaScript methods that is used in UI form to bind controls.

### 4.6.1 GetGCPSize(GCP Size)

This method is used to return the list of GCP sizes.

Method Signature:

GetGCPSize(diskType, controlId, async, callback,additionalParam)

Sample Response:

```
[{"MachineType":"n1-standard-1","Description":"1 vCPU, 3.75 GB RAM","vCPU":"1","Memory":"3.75","Maximum_number_of_PersistentDisk":"128","Max_Total_PD_Size":"257","DiskType":"n1-standard-1 ( 1vCPU,3.75 GB )","text":"1 vCPU, 3.75 GB RAM"}]
```

Parameter Details:

Table 112 – GetGCPSize

| Parameter Name | Type    | Mandatory | Description                                                                                                                                                                                                          |
|----------------|---------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| diskType       | String  | N         | <p>If disk type is passed, then details of passed disk type are returned.</p> <p>If blank "" is passed, then detail of all GCP Size will be returned/bind to the control.</p>                                        |
| controlId      | String  | N         | <p>Id of 'Select' control to be populated.</p> <p>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.</p> |
| async          | Boolean | N         | In case it's False:                                                                                                                                                                                                  |

| Parameter Name  | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 |          |           | <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p>                                                                                                                                                                  |
| callback        | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                   |
| additionalParam | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.6.2 GetGCPVpc (GCP VPC)

This method is used to return the list of GCP Virtual Private Cloud network in MyCloud.

Method Signature:

GetGCPVpc(vpcname, routingMode, controlId, async, serviceplanId, callback, additionalParam )

Sample Response:

```
[{"VPCEntityID":"VPC-6AD850CF-9823-4255-A758-BA8F34E27C1E", "VPCName":"terraform-dev-net(219908087265165318)", "VPCID":"219908087265165318", "Name":"terraform-dev-net", "Description":"","RoutingMode":"GLOBAL", "AutoCreateSubnetNetwork":"false", "Kind":"compute#network", "ProjectID":"dryicepoc-242713", "SelfLink":"https://<enterURL>", "text":"terraform-dev-net(219908087265165318)"}]
```

Parameter Details:

Table 113 – GetGCPVpc

| Parameter Name  | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                         |
|-----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| vpcname         | String   | N         | <p>If VPC name is passed, then details of passed VPC are returned.</p> <p>If blank "" is passed, then detail of all VPC will be returned/bind to the control.</p>                                                                                                                                                   |
| routingMode     | String   | N         | <p>If routing mode is passed, then details of passed routing mode are returned.</p> <p>If blank "" is passed, then detail of all VPC will be returned/bind to the control.</p>                                                                                                                                      |
| controlId       | String   | N         | <p>Id of 'Select' control to be populated.</p> <p>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.</p>                                                                                                |
| async           | Boolean  | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p> |
| servicePlanId   | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                             |
| callback        | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                             |
| additionalParam | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p>                                                                                                                                                                                 |

| Parameter Name | Type | Mandatory | Description                                                                                                                                                                                                                                                                                                                 |
|----------------|------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |      |           | <p>To filter records based on column name received from output. e.g.,<br/>filter="keyname='keyvalue'"</p> <p>To Sort By:<br/>To sort the data based on column name.<br/>e.g., sortby="keyname"</p> <p>To Sort Order:<br/>To define sorting order either ASC (Ascending) or DESC (descending). e.g.,<br/>sortorder="ASC"</p> |

#### 4.6.3 GetGCPSubnet (GCP Subnet)

This method is used to return the list of GCP Subnets in MyCloud.

Method Signature:

GetGCPSubnet(vpcname, subnetName, region, controlId, async, servicePlanId, callback,additionalParam)

Sample Response:

```
[{"SubnetEntityID":"SUB-FA54FDDE-9554-4E57-AD10-0989C4384231","SubnetName":"default (europe-west6) ","Name":"default","SubnetID":"1287423372674458792","VPCLink":"https://<enterURL>","IpCIDRRange":"xxx.xx.x.xx","Gatewayaddress":"xxx.xx.x.xx","PrivateIpGoogleAccess":"false","Purpose":"PRIVATE","Kind":"compute#subnetwork","Region":"europe-west6","ProjectID":"dryicepoc-242713","SelfLink":"https://<enterURL> ","text":"default (europe-west6) "}]
```

Parameter Details:

Table 114 – GetGCPSubnet

| Parameter Name | Type   | Mandatory | Description                                                                                                                                                           |
|----------------|--------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| vpcname        | String | N         | <p>If VPC name is passed, then details of passed VPC are returned.</p> <p>If blank "" is passed, then detail of all subnets will be returned/bind to the control.</p> |

| Parameter Name  | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                         |
|-----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| subnetName      | String   | N         | <p>If subnet name is passed, then details of passed subnet are returned.</p> <p>If blank "" is passed, then detail of all subnets will be returned/bind to the control.</p>                                                                                                                                         |
| region          | String   | N         | <p>If region is passed, then details of passed region are returned.</p> <p>If blank "" is passed, then detail of all subnets will be returned/bind to the control.</p>                                                                                                                                              |
| controlId       | String   | N         | <p>Id of 'Select' control to be populated.</p> <p>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.</p>                                                                                                |
| async           | Boolean  | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p> |
| servicePlanId   | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                             |
| callback        | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                             |
| additionalParam | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p>                                                                                                                                                                                 |

| Parameter Name | Type | Mandatory | Description                                                                                                                                                                                                                                                                                                                 |
|----------------|------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |      |           | <p>To filter records based on column name received from output. e.g.,<br/>filter="keyname='keyvalue'"</p> <p>To Sort By:<br/>To sort the data based on column name.<br/>e.g., sortby="keyname"</p> <p>To Sort Order:<br/>To define sorting order either ASC (Ascending) or DESC (descending). e.g.,<br/>sortorder="ASC"</p> |

#### 4.6.4 GetGCPRegion(GCP Region)

This method is used to return the list of GCP Regions.

Method Signature:

GetGCPRegion(controlId, async, callback, additionalParam)

Sample Response:

```
[{"RegionEntityID":"REG-EDBDC5E1-CC6E-4274-A090-E9007C1C5327","RegionName":"us-central1","ID":"73","IsActive":"Y","CityName":"Iowa","Longitude":"","DisplayName":"Council Bluffs, Iowa, USA","Createdby":"","CreatedDate":"2/17/2020 9:20:53 AM","ModifiedDate":"","IsDeleted":"N","IsSynced":"N","PlatformCode":"GCP","text":"us-central1"}]
```

Parameter Details:

Table 115 – GetGCPRegion

| Parameter Name  | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId       | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                           |
| async           | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                    |
| callback        | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                             |
| additionalParam | Object   | N         | AdditionalParam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.6.5 GetGCPZone(GCP Zone)

This method is used to return the list of GCP Zones.

Method Signature:

GetGCPZone(region, controlId, async, callback, additionalParam)

Sample Response:

```
[{"ID": "71", "NAME": "us-central1-a", "RegionName": "us-central1", "text": "us-central1-a"}, {"ID": "72", "NAME": "us-central1-b", "RegionName": "us-central1", "text": "us-central1-b"}]
```

Parameter Details:

Table 116 – GetGCPZone

| Parameter Name  | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| region          | String   | Y         | <p>If region is passed, then details of passed region are returned.</p> <p>If blank "" is passed, then detail of all Zone will be returned/bind to the control.</p>                                                                                                                                                                                                                                                                                       |
| controlId       | String   | N         | <p>Id of 'Select' control to be populated.</p> <p>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.</p>                                                                                                                                                                                                                                      |
| async           | Boolean  | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p>                                                                                                                                        |
| callback        | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                   |
| additionalParam | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.6.6 GetGCPCustomMachineTypes(GCP Machine Type)

This method is used to return the list of GCP Custom Machine Type.

Method Signature:

GetGCPCustomMachineTypes(controlId, async, callback)

Sample Response:

```
[{"MachineType":"E2"}, {"MachineType":"N1"}, {"MachineType":"N2"}]
```

Parameter Details:

Table 117 – GetGCPCustomMachineTypes

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                      |
|----------------|----------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                        |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                          |

#### 4.6.7 GetMemoryCpuInfoByMachineType(GCP Cpu Info)

This method is used to return the list of GCP Custom Machine Type.

Method Signature:

GetMemoryCpuInfoByMachineType(machineType, controlId, async, callback)

Sample Response:

```
[{"ID":90,"MachineType":"E2","vCPU":"2","MinMemory":"1","MaxMemory":"16","IsActive":"Y"}, {"ID":91,"MachineType":"E2","vCPU":"4","MinMemory":"2","MaxMemory":"32","IsActive":"Y"}]
```

Parameter Details:

Table 118 – GetMemoryCPUByMachineTypes

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                          |
|----------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| machineType    | String   | Y         | User has to pass machine type, then details of passed machine type are returned.                                                                                                                                                                                                                     |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                            |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                              |

#### 4.6.8 GetPlatformWiseGCPSizeDetails (GCP Zone Wise Size Details)

This method is used to return the list of GCP Size based on ZONE.

Method Signature:

GetPlatformWiseGCPSizeDetails(Zone, PlatformCode, controlId, async, callback, addlparam)

Sample Response:

```
[{"MachineType":"n1-standard-8","Description":"8 vCPUs, 30 GB RAM","DiskType":"n1-standard-8 (8vCPU,30GB )","vCPU":"8","Memory":"30","Maximum_number_of_PersistentDisk":"128","Max_Total_PD_Size":"257","LocationSizeID":"135","Zone":"asia-south1-a","LocationDescription":"asia-south1-a","RegionID":"99","RegionName":"asia-south1","CityName":"Mumbai","Longitude":"","Latitude":"","RegionDisplayName":"Mumbai, India","PlatformCode":"GCP","text":"8 vCPUs, 30 GB RAM"}]
```

Parameter Details:

Table 119 – GetGCPSizeByZone

| Parameter Name  | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Zone            | String   | Y         | If zone is passed, then details of passed zone are returned.                                                                                                                                                                                                                                                                                                                                                                          |
| PlatformCode    | String   | Y         | If platformCode is passed, then details of passed Platform Code are returned.                                                                                                                                                                                                                                                                                                                                                         |
| controlId       | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                             |
| async           | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| callback        | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                               |
| additionalParam | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.6.9 GetGCPDisk (GCP Disk)

This method is used to return the list of GCP Disk in MyCloud.

Method Signature:

GetGCPDisk(controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{"EntityID": "DISK-A62D122A-6981-46D3-9BE0-097C0AB1A6BC",
  "DiskName": "dryicewqa69(2800234493502528083)"},
```

```

    "DISKID": "2800234493502528083",
    "Name": "dryicewqa69",
    "DISKTYPE": "Zonal",
    "SizeGB": 50,
    "Kind": "compute#disk",
    "ZoneName": "us-west2-a",
    "Zone": "https://<enter URL>",
    "SelfLink": "https://enter URL",
    "LabelFingerprint": "PHVJ8O_AUQk=",
    "licensecodes": ["1000213"],
    "text": "dryicewqa69(2800234493502528083) "
  }
]

```

#### Parameter Details:

Table 120 – GetGCPDisk

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                          |
|----------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                            |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                              |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                              |

| Parameter Name  | Type   | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------|--------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| additionalParam | Object | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:<br/>To filter records based on column name received from output. e.g.,<br/>filter="keyname='keyvalue'"</p> <p>To Sort By:<br/>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:<br/>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.6.10 GetGCPPIP (GCP PIP)

This method is used to return the list of GCP PIP in MyCloud.

Method Signature:

GetGCPPIP(controlId, async, servicePlanId, callback, addlparam)

Sample Response:

```
[{
  "EntityID": "PIP-45E74F07-17AC-447B-BDA1-AFA75BC48723",
  "PIPName": "cdf-us-east1-api-test(6202583791549802431)",
  "PIPID": "6202583791549802431",
  "Name": "cdf-us-east1-api-test",
  "Description": "IP Range for data fusion instance creation.",
  "Type": "Global",
  "Address": " xxx.xx.x.xx ",
  "AddressType": "INTERNAL",
  "Region": "",
  "NetworkTier": "PREMIUM",
  "IpVersion": "",
  "SelfLink": "https://<enter URL>",
  "Status": "RESERVED",
```

```

    "IsActive": "Y",
    "text": "cdf-us-east1-api-test(6202583791549802431) "
  }]

```

#### Parameter Details:

Table 121 – GetGCPIP

| Parameter Name  | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                          |
|-----------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId       | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                            |
| async           | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| servicePlanId   | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                              |
| callback        | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                              |
| additionalParam | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output. e.g.,<br>filter="keyname='keyvalue'"<br><br>To Sort By:                                                 |

| Parameter Name | Type | Mandatory | Description                                                                                                                                                                                           |
|----------------|------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |      |           | <p>To sort the data based on column name.<br/>e.g., sortby="keyname"</p> <p>To Sort Order:<br/>To define sorting order either ASC<br/>(Ascending) or DESC (descending). e.g.,<br/>sortorder="ASC"</p> |

#### 4.6.11 GetOrgWiseGCPSizeDetails (GCP Sizes)

This method is used to return the list of Size based on Organization and Zone and their complete information created in MyCloud.

Method Signature:

GetOrgWiseGCPSizeDetails(Zone, controlId, async, callback, addlparam)

Sample Response:

```
[{
    "SizeID": 54,
    "SizeName": "e2-highcpu-32",
    "SizeDescription": "Efficient Instance, 32 vCPUs, 32 GB RAM",
    "DiskType": "e2-highcpu-32( 32vCPU,32 GB )",
    "CPU": "32",
    "Memory": "32",
    "DiskSizes": 128,
    "Max_Total_PD_Size": 257,
    "LocationSizeID": 773,
    "Zone": "asia-east1-a",
    "LocationDescription": "asia-east1-a",
    "RegionID": 95,
    "RegionName": "asia-east1",
    "CityName": "Taiwan",
    "Longitude": null,
    "Latitude": null,
    "RegionDisplayName": "Changhua County, Taiwan",
    "PlatformCode": "GCP",
    "text": "Efficient Instance, 32 vCPUs, 32 GB RAM"
}]
```

Parameter Details:

Table 122 – GetOrgWiseGCPSize

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------|----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Zone           | String   | Y         | If Zone is passed, then details of passed Zone are returned.                                                                                                                                                                                                                                                                                                                                                                                          |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                             |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                                  |
| servicePlanId  | String   | N         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                                                                                                                                                                               |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                               |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br><br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br><br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br><br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.6.12 GetGCPSeriesDetails

This method is used to return Machine Type Details.

Method Signature:

GetGCPSeriesDetailss(seriesType, controlId, async, callback)

Sample Response:

```
[{"Name": "N2D", "Code": "N2D", "text": "N2D"}, {"Name": "E2", "Code": "E2", "text": "E2"}, {"Name": "N1", "Code": "N1", "text": "N1"}, {"Name": "N2", "Code": "N2", "text": "N2"}]
```

Parameter Details:

Table 123 – GetGCPSeriesDetails

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                         |
|----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| seriesType     | String   | Y         | We have some series type available. If we have then we can pass otherwise it could be blank and series will be fetched accordingly.                                                                                                                                                                 |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                           |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                             |

#### 4.6.13 GetGCPMachineClassDetails

This method is used to return the list of GCP Machine Class Details.

Method Signature:

GetGCPMachineClassDetails(controlId, async, callback)

Sample Response:

```
[{"Name": "Preemptible", "Code": "Preemptible", "text": "Preemptible"}, {"Name": "Regular", "Code": "OnDemand", "text": "Regular"}]
```

Parameter Details:

Table 124 – GetGCPMachineClassDetails

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                     |
|----------------|----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                       |
| Async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                         |

## 4.7 Template and Catalogs JavaScript Library

This document contains the list of all the templates and catalogs of the JavaScript methods that are used in UI form to bind controls.

### 4.7.1 GetTemplateDetails (Templates)

This method is used to return details of service catalog based on Service Catalog Id.

Method Signature:

GetTemplateDetails (serviceCatalogID)

Sample Response:

```
[{"Name": "scomp-
rhel7.5", "ActualIdOnEnvironment": "2203", "URL": null, "ServiceType": "IA
AS", "TemplatePath": "MyCloud\\MyCloudTemplates\\", "TemplateName": "sco
mp-rhel7.5", "OSType": "1", "OSProfile": "MyCloud-
rh", "OsCode": "Linux", "Deploymentpath": "\\vm\\MyCloud\\", "srcImage": "
", "UserName": "MyCloud", "GuestOSProfileById": "rhel7_64Guest", "Templat
eDescription": "", "TemplateStatus": "IMP", "TemplateType": "", "Offer": "",
"Stack_URL": "", "Publisher": "", "ResourceGroupName": "", "StorageAccoun
tAccesskey": "", "ServiceType1": "", "OSVersion": "", "IsPublic": "
", "Architecture": "", "MaxMemory": 4096, "MaxCPU": 0, "VersionName": "", "SK
U": "", "ProductType": ""}]
```

Parameter Details:

Table 125 - GetTemplateDetails

| Parameter Name   | Type   | Mandatory | Description                           |
|------------------|--------|-----------|---------------------------------------|
| serviceCatalogID | String | Y         | Service Catalog ID must be decrypted. |

## 4.8 Custom Table JavaScript Library

This document contains the list of all Custom Tables related functions. Custom tables are tables which are created for an organization to run any business logic.

### 4.8.1 GetCustomTableRecordwithfilters

This custom table records function is available on intellisense location `MCLD.Functions.CustomTables.GetCustomTableRecords`.

Method Signature:

`GetCustomTableRecords (tableName, async, callback, addparam, camelCase)`

Sample Response:

```
'{"totalRecords":4,"records":[{"autoId":"1","workflowName":"Create workflow","executionMoid":"xxx"}, {"autoId":"2","workflowName":"Delete Workflow","executionMoid":"xxxxxx"}, {"autoId":"3","workflowName":"Test","executionMoid":""}, {"autoId":"4","workflowName":"","executionMoid":"1"}]}'
```

Parameter Details:

Table 126 – GetCustomTableRecordWithFilters

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                         |
|----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Table Name     | String   | Y         | User must pass the Table Name which are visible under Master> Custom table menu.                                                                                                                                                                                                                    |
| Async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                             |

| Parameter Name | Type    | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| addlparam      | Object  | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output.<br/>e.g., filter="keyname='keyvalue'"</p> <p>To Sort by:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |
| camelCase      | Boolean | N         | <p>Convert custom table column casing. If true custom table column will be converted to camel case else it will be returned as it is.</p> <p>Default value is true.</p>                                                                                                                                                                                                                                                                                       |

#### 4.8.2 GetCustomTableRecords

This custom table records function is available on intellisense location MCLD.Functions.GetCustomTableRecords.

Method Signature:

GetCustomTableRecords (customTableID, async, callback)

Sample Response:

```
{ "CustomTableRecords": [{ "AutoID": 118, "FirstName": "f16032020", "LastName": "l17032020", "Email": "table@hcl.com", "ApplicationName": "MyCloud9.2"}, { "AutoID": 119, "FirstName": "f2", "LastName": "l2", "Email": "custom@hcl.com", "ApplicationName": "MyCloud9.2"} ] }
```

Parameter Details:

Table 127 - GetCustomTableRecords (Custom table 2)

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                         |
|----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| customTableID  | String   | Y         | User must pass the Table Id which are visible under Master> Custom table menu.                                                                                                                                                                                                                      |
| Async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                             |

#### 4.8.3 AddCustomTableRecords

This method inserts new records in Custom Tables.

Method Signature:

AddCustomTableRecords(CustomTableName, RowData, async, callback)

Sample Response:

```
{ "CustomTableRecords": [{ "AutoID": 118, "FirstName": "f16032020", "LastName": "l17032020", "Email": "table@hcl.com", "ApplicationName": "MyCloud9.2" }, { "AutoID": 119, "FirstName": "f2", "LastName": "l2", "Email": "custom@hcl.com", "ApplicationName": "MyCloud9.2" } ] }
```

Parameter Details:

Table 128 - Add CustomTableRecords

| Parameter Name  | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                          |
|-----------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CustomTableName | String   | Y         | Unique name of custom table for organization.<br>It is visible under Master> Custom table menu.                                                                                                                                                                                                      |
| RowData         | Array    | Y         | It is a JSON array which has keyname and key value, e.g., [{"KeyName": "columnName", "KeyValue": "ColumnValue"}]                                                                                                                                                                                     |
| Async           | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| Callback        | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                              |

#### 4.8.4 UpdateCustomTableRecords

This method used to edit existing records in Custom Tables.

Method Signature:

UpdateCustomTableRecords(CustomTableName,autoId, RowData, async, callback)

Sample Response:

```
{ "CustomTableRecords": [{ "AutoID": 118, "FirstName": "f16032020", "LastName": "l17032020", "Email": "table@hcl.com", "ApplicationName": "MyCloud9.2"}, { "AutoID": 119, "FirstName": "f2", "LastName": "l2", "Email": "custom@hcl.com", "ApplicationName": "MyCloud9.2"} ] }
```

Parameter Details:

Table 129 – GetCustomTableRecords

| Parameter Name  | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                          |
|-----------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CustomTableName | String   | Y         | Unique name of custom table for a specific organization.<br>It is visible under Master>Custom table menu.                                                                                                                                                                                            |
| autoId          |          |           | Record ID which user want to edit.                                                                                                                                                                                                                                                                   |
| RowData         | Array    | Y         | It is JSON Array which has keyname and keyvalue, e.g.,<br>[{"KeyName": "columnName", "KeyValue": "ColumnValue"}]                                                                                                                                                                                     |
| Async           | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| Callback        | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                              |

#### 4.8.5 GetCustomTableRecordsByTableName

This method used to get the records from Custom Tables based on the Table Name.

Method Signature:

GetCustomTableRecordsByTableName(customTableName, async, callback)

Sample Response:

```
{ "CustomTableRecords": [{ "AutoID": 118, "FirstName": "f16032020", "LastName": "l17032020", "Email": "table@hcl.com", "ApplicationName": "MyCloud9.2"}, { "AutoID": 119, "FirstName": "f2", "LastName": "l2", "Email": "custom@hcl.com", "ApplicationName": "MyCloud9.2"} ] }
```

Parameter Details:

Table 130 – GetCustomTableRecordsByTableName

| Parameter Name  | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                             |
|-----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CustomTableName | String   | Y         | Unique name of custom table for a specific organization.<br>It is visible under Master>Custom table menu.                                                                                                                                                                                               |
| Async           | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously.<br>Execution will not wait for method execution completion. It will jump to next statement. |
| Callback        | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                 |

#### 4.8.6 GetCustomTableRecordswithCamelcase

This method used to get the records from customtable. The table columns are appearing as provider which user has provided while creating the custom table. Users need to ignore camelcase of Custom Table Column Value by passing optional parameter i.e. camelCase = false.

By default this value will be passed as true. User has to explicitly pass this value to ignore the camel case.

Method Signature:

GetCustomTableRecordsByTableName(customTableName, async, callback)

Sample Response:

```
{ "CustomTableRecords": [{ "AutoID": 118, "FirstName": "f16032020", "LastName": "l17032020", "Email": "table@hcl.com", "ApplicationName": "MyCloud9.2" }, { "AutoID": 119, "FirstName": "f2", "LastName": "l2", "Email": "custom@hcl.com", "ApplicationName": "MyCloud9.2" } ] }
```

Parameter Details:

Table 131 – GetCustomTableRecordsByTableName

| Parameter Name  | Type   | Mandatory | Description                                              |
|-----------------|--------|-----------|----------------------------------------------------------|
| CustomTableName | String | Y         | Unique name of custom table for a specific organization. |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                         |
|----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |          |           | It is visible under Master>Custom table menu.                                                                                                                                                                                                                                                                       |
| Async          | Boolean  | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p> |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                             |
| addiParam      | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                             |
| camelCase      | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                             |
|                |          |           |                                                                                                                                                                                                                                                                                                                     |

## 4.9 CI JavaScript Library

This document contains the list of all CI JavaScript's methods that is used in Action's UI form to bind controls and get the information of any CI details from MyCloud.

### 4.9.1 GetCIMasterSingleRow

This method is used to fetch the data from CI Details based on CIID.

\*CIID: User will get the CIID at the time of Insert/Update the CI Master data based on using SaveCIMasterData method.

Method Signature:

GetCIMasterSingleRow (ciMasterID, objectID, objectType)

Sample Response:

```
[{"ID":253,"ObjectID":"indrmf51b01","ObjectType":"VM","PlatformEntityID":"VMWAR-5F0B2646-3D78-4D27-9509-013E122E01EB","ObjectStatus":"IMP","RequestNo":null,"UserName":"ss","UserEntityID":"USER-4553464F-66CB-4F12-A770-B0A32DAB462D","UserEmail":"SMRequester@hcl.com","LeasePeriod":""}--
```

```
Select--
", "PowerStatus": "RUNNING", "NoOfCPCU": "4", "MemoryInMB": "8192", "OSDisk
Size": null, "DataDisk1Size": null, "DataDisk2Size": null, "DataDisk3Size"
: null, "DataDisk4Size": null, "DataDisk5Size": null, "IpAddress": "
xxx.xx.x.xx", "ComputerName": "indrmf5lb01", "Itemno": null, "PlatformNam
e": "VMWAR", "DataCenterName": null, "ClusterName": null, "HostName": "
xxxxxxxxx.xxxxxxxxx.xxx", "DisplayName": "indrmf5lb01", "ResourceGroup":
null, "NetworkName": null, "PrimaryIP": null, "PrimaryDefault": null, "Prim
arySubnet": null, "BackupIP": null, "BackupDefault": null, "BackupSubnet":
null, "MachineName": null, "VPCName": null, "SecurityGroup": null, "KeyPair
": null, "MachineStatus": null, "ServicePlanId": null, "TemplateType": null
, "DecommissionDate": "12/04/2019", "ProvisionDate": null, "VMDisplayName"
: "indrmf5lb01", "Size": null, "PublicDNS": null, "PrivateDNS": null, "TierN
ame": null, "storageName": null, "OS": "centos64Guest", "RegionName": null,
"LocationName": null, "IsAvailabilitySet": null, "AvailabilitySet": null,
"ELBName": null, "Recoveryvalut": null, "policyname": null, "imageurl": nul
l, "ActualDiskJSON": "{ \"lun\": \"VirtualMachine-vm-
1067/2000\", \"DataDiskSize\": \"76\", \"DiskType\": \"Flat\", \"DataDisk
CreateOption\": \"Persistent\", \"DataFileName\": \".[SharedDatastore05
]indrmf5lb01/indrmf5lb01.vmdk\" }\", \"CloudName\": null, \"Tags\": \"[{ \"Appli
cation\": \"InfraPlatformManagement\", { \"VMJustification\": \"Seconda
rysiteF5LB\" }, { \"VRMOwner\": \"GajendraPundier\" } ]\", \"CustomField1\": nu
ll, \"CustomField2\": null, \"CustomField3\": null, \"CustomField4\": null, \"Cust
omField5\": null, \"CustomField6\": null, \"CustomField8\": null, \"CustomField7
\": null, \"CustomField9\": null, \"CustomField10\": null, \"IsBackup\": null, \"IsE
nableMonitoring\": null, \"DiskType\": null, \"NetworkDetails\": \"Y\", \"OrgEntit
yID\": \"ORG-29A1B191-7720-44D8-9302-4F89DAC9C896\" } ] }
```

#### Parameter Details:

Table 132 – GetCIMasterSingleRow

| Parameter Name | Type   | Mandatory | Description                                                                                                                                                     |
|----------------|--------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ciMasterID     | String | Y         | ciMasterID is a unique identifier of CI table of MyCloud. User will get the CIID at the time of inserting CI Master data based on using SaveCIMasterData method |
| objectID       | String | Y         | Object ID can be a Name of Virtual Machine, Load Balancer, Resource Group etc.                                                                                  |
| objectType     | String | Y         | Object Type can be "VM", "LB" etc.                                                                                                                              |

#### 4.9.2 GetCIMasterData

This method is used to fetch the data from CI Master table based on Object Id and Object Type.

Method Signature:

GetCIMasterData(objectID, objectType)

Sample Response:

```
[{"ID":253,"ObjectID":"indrmf5lb01","ObjectType":"VM","PlatformEntityID":"VMWAR-5F0B2646-3D78-4D27-9509-013E122E01EB","ObjectStatus":"IMP","RequestNo":null,"UserName":"ss","UserEntityID":"USER-4553464F-66CB-4F12-A770-B0A32DAB462D","UserEmail":"SMRequester@hcl.com","LeasePeriod":"","Select":"","PowerStatus":"RUNNING","NoOfCPCU":"4","MemoryInMB":"8192","OSDiskSize":null,"DataDisk1Size":null,"DataDisk2Size":null,"DataDisk3Size":null,"DataDisk4Size":null,"DataDisk5Size":null,"IpAddress":"xxx.xx.x.xx","ComputerName":"indrmf5lb01","Itemno":null,"PlatformName":"VMWAR","DataCenterName":null,"ClusterName":null,"HostName":"xxxxxxxxx.xxxxxxxxx.xxx","DisplayName":"indrmf5lb01","ResourceGroup":null,"NetworkName":null,"PrimaryIP":null,"PrimaryDefault":null,"PrimarySubnet":null,"BackupIP":null,"BackupDefault":null,"BackupSubnet":null,"MachineName":null,"VPCName":null,"SecurityGroup":null,"KeyPair":null,"MachineStatus":null,"ServicePlanId":null,"TemplateType":null,"DecommisionDate":"12/04/2019","ProvisionDate":null,"VMDisplayName":"indrmf5lb01","Size":null,"PublicDNS":null,"PrivateDNS":null,"TierName":null,"storageName":null,"OS":"centos64Guest","RegionName":null,"LocationName":null,"IsAvailabilitySet":null,"AvailabilitySet":null,"ELBName":null,"Recoveryvalut":null,"policyname":null,"imageurl":null,"ActualDiskJSON":{"\\lun\\":"VirtualMachine-vm-
```

```
1067/2000\","DataDiskSize\":"76\","DiskType\":"Flat\","DataDisk
CreateOption\":"Persistent\","DataFileName\":".[SharedDatastore05
]indrmf51b01/indrmf51b01.vmdk\"},"CloudName":null,"Tags":[{"Application\":"InfraPlatformManagement\"},"VMJustification\":"Seconda
rysiteF5LB\"},"VRMOwner\":"Anonymous\"}],"CustomField1":null,"Cu
stomField2":null,"CustomField3":null,"CustomField4":null,"CustomFiel
d5":null,"CustomField6":null,"CustomField8":null,"CustomField7":null
,"CustomField9":null,"CustomField10":null,"IsBackup":null,"IsEnableM
onitoring":null,"DiskType":null,"NetworkDetails":"Y"}]
```

Parameter Details:

Table 133 – GetCIMasterData

| Parameter Name | Type   | Mandatory | Description                                                                    |
|----------------|--------|-----------|--------------------------------------------------------------------------------|
| objectID       | String | Y         | Object ID can be a name of Virtual Machine, Load Balancer, Resource Group etc. |
| objectType     | String | Y         | Object Type can be “VM”, “LB” etc.                                             |

## 4.10 User JavaScript Library

This section contains the list of all User JavaScript’s methods that are used in UI form to bind controls.

### 4.10.1 GetUserInfo

This method is used to fetch current logged in user details.

Method Signature:

GetUserInfo(controlId, async, callback)

Sample Response:

```
[{"UserIdentity":"4","text":"USER-08AE77CF-AB88-45DC-97C1-
180785521AA6","UserCode":"requester","UserId":"requester","UserName"
:"requester","Email":"requester@hcl.com","DOB":"","ContactInfo":"","
LevelCode1":"","LevelCode2":"","LevelCode3":"","LevelCode4":"","Loca
tion":"","CountryCode":"","ManagerCode":"","DataSource":"AD","Deptar
tment":"","UserEntityType":"ORG","UserBillLimit":"","IsActive":"Y","
IsLocked":"N","SuccessfulLoginTime":"5/15/2020 2:19:39
PM","FailedLoginTime":"5/14/2020 5:57:02
PM","FailCount":"0","CustomField1":"","CustomField2":"","CustomField
3":"","CustomField4":"","CustomField5":"","CustomField6":"","CustomF
ield7":"","CustomField8":"","CustomField9":"","CustomField10":"","Or
```

```
gEntityid":"ORG-29A1B191-7720-44D8-9302-4F89DAC9C896","ProviderEntityID":"","CreatedBy":"","CreatedOn":"10/30/2019 11:12:51 AM","ModifiedBy":"","ModifiedOn":"10/30/2019 11:12:51 AM","ResetPasswordDate":"7/27/2020 7:09:08 AM","IsApiUser":"N","IsComponentAccess":"N"}]
```

Parameter Details:

Table 134 – GetUserInfo

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                   |
|----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of "Select control" to be populated.<br>If Id is passed, then control will be populated else<br>"Result set" will be returned in JSON format.                                                                                                                                                              |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e.,<br>Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution<br>will not wait for method execution completion. It will<br>jump to next statement. |
| callback       | Function | N         | User can pass function name that can get executed<br>on completion of Parent function call.                                                                                                                                                                                                                   |

#### 4.10.2 GetUsersByOrganization

This method is used to fetch all the Users details for logged in Organization.

Method Signature:

GetUsersByOrganization(controlId, async, callback, addlparam)

Sample Response:

```
[{
  "EntityID": "USER-8C5E833F-9C67-4AC5-A6A8-0635536EBFCA",
  "UserId": "enter user_id",
  "UserName": "enter username",
  "Email": "enter email",
  "RoleName": "Requester",
  "ManagerCode": "",
  "CustomField1": "",
  "CustomField2": "",
  "CustomField3": "",
```

```

    "CustomField4": "",
    "CustomField5": "",
    "CustomField6": "",
    "CustomField7": "",
    "CustomField8": "",
    "CustomField9": "",
    "CustomField10": ""
  }
}

```

Parameter Details:

Table 135 – GetUsersByOrganization

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                      |
|----------------|----------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of “Select control” to be populated.<br>If Id is passed, then control will be populated else<br>“Result set” will be returned in JSON format.                                                                                                                                                                                                 |
| async          | Boolean  | N         | In case it’s False:<br>Function will be called in synchronous mode. i.e.,<br>Current execution will wait for method execution to<br>complete<br>In case it’s True:<br>Function will be called asynchronously. Execution<br>will not wait for method execution completion. It will<br>jump to next statement.                                     |
| callback       | Function | N         | User can pass function name that can get executed<br>on completion of Parent function call.                                                                                                                                                                                                                                                      |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the<br>records. It contains 3 properties<br>filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received<br>from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order: |

| Parameter Name | Type | Mandatory | Description                                                                                |
|----------------|------|-----------|--------------------------------------------------------------------------------------------|
|                |      |           | To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.10.3 GetUserDependentDetails

This method is used to fetch details for AD users only when we mapped AD columns value with different custom columns in MyCloud Table. For example, If we want to get manager details of the users. All the manager details are stored on "CustomField2" column and user mapping with manager stored in "CustomField1" column.

Method Signature:

GetUserDependentDetails(email, dependentOnColumnName, dependentMatchColumnName)

Sample Response:

```
[{"EntityID":"USER-336255B2-0029-4381-AF1B-22CEE9C73A6","UserId":"testuser",
"UserName":"testuser","Email":"testuser@hcl.com","RoleName":"Business",
"ManagerCode":"","CustomField1":"CN=ABC User,HCLISD.com","CustomField2":"CN=xxxx,HCLISD.com",
"CustomField3":"","CustomField4":"","CustomField5":"","CustomField6":"","CustomField7":"","CustomField8":"","CustomField9":"","CustomField10":""}]
```

Parameter Details:

Table 136 – GetUserDependentDetails

| Parameter Name           | Type   | Mandatory | Description                                                                                  |
|--------------------------|--------|-----------|----------------------------------------------------------------------------------------------|
| email                    | String | Y         | It contains the user Email id.                                                               |
| dependentOnColumnName    | string | Y         | It Contains the column name on which we kept the details of the parent like "CustomField1".  |
| dependentMatchColumnName | String | Y         | It contains the column name on which we will get all the parent details like "CustomField2". |

#### 4.10.4 GetUserDetails

This method is used to return the list of GetUserDetails of Cisco Intersight created in MyCloud.

Method Signature:

GetUserDetails (async, callback)

Sample Response:

```
{
  "entityId": "USER-51249E46-792E-41D4-87C5-3CF44FF856A1",
```

```

    "userId": "requester",
    "userName": "requester",
    "userType": "OrganizationUser",
    "organizationName": "hclorg",
    "email": "requester@hcl.com",
    "rbacGroups": [
      {
        "groupId": "8",
        "groupName": "Requester",
        "groupCode": "REQ",
        "isSystemGroup": true
      }
    ],
    "adGroups": [],
    "roles": [
      {
        "roleId": "8",
        "roleName": "Requester",
        "roleCode": "REQ",
        "parentRoleCode": "",
        "parentRoleName": "",
        "isSystemRole": true
      }
    ]
  }
}

```

Parameter Details:

---

Table 137 – GetUserDetails

---

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                         |
|----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| async          | Boolean  | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p> |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                             |

#### 4.10.5 ValidateAdUser

This method is used to return the ValidateAdUser of Cisco Intersight created in MyCloud.

Method Signature:

ValidateAdUser (ldapUrl, domain, userName, password, searchUserNameOrEmail, async, successCallback, failureCallback)

Parameter Details:

Table 138 – ValidateAdUser

| Parameter Name        | Type    | Mandatory | Description                                                                                                                                                                                                                                                             |
|-----------------------|---------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ldapUrl               | string  | Y         | To filter the list on ldapUrl.                                                                                                                                                                                                                                          |
| domain                | string  | Y         | To filter the list on basis of domain                                                                                                                                                                                                                                   |
| userName              | string  | Y         | For the login                                                                                                                                                                                                                                                           |
| password              | string  | Y         | Password of the username                                                                                                                                                                                                                                                |
| searchUserNameOrEmail | String  | Y         | Search Identity is to search the username is in the AD                                                                                                                                                                                                                  |
| async                 | boolean | y         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution</p> |

| Parameter Name  | Type     | Mandatory | Description                                                                             |
|-----------------|----------|-----------|-----------------------------------------------------------------------------------------|
|                 |          |           | completion. It will jump to next statement.                                             |
| successCallback | Function | N         | User can pass function name that can be executed on completion of Parent function call. |
| failureCallback | Function | N         | User can pass function name that can be executed on completion of Parent function call. |

## 4.11 Common JavaScript Library

This document contains the list of all common JavaScript's methods that is used in UI form to bind controls.

### 4.11.1 GetParameterByName

This method is used to fetch the data of the query string. All query string values are encrypted.

Method Signature:

getParameterByName (name, url)

Sample Response:

```
<encrypted String data>
```

Parameter Details:

Table 139 – GetParameterByName

| Parameter Name | Type   | Mandatory | Description                                                                   |
|----------------|--------|-----------|-------------------------------------------------------------------------------|
| name           | String | Y         | QueryString Parameter Name for e.g.,RegionName                                |
| url            | String | N         | URL: URL that contains query string. By default, it contains current web URL. |

### 4.11.2 DecryptString

This method is used to decrypt the pass encrypted query string value.

Method Signature:

DecryptString (key)

Sample Response:

```
<plain text>
```

Parameter Details:

Table 140 – DecryptString

| Parameter Name | Type   | Mandatory | Description           |
|----------------|--------|-----------|-----------------------|
| key            | String | Y         | Any encrypted string. |

#### 4.11.3 CalculateDecommissionDate

This method is used to calculate decommission date based on given parameters like date, period (it is numeric value like 1,2,3....9) and period value (it is in days, months, weeks, years)

Method Signature:

CalculateDecommissionDate (date, period, periodvalue)

Sample Response:

```
<New Calculated Date>
```

Parameter Details:

Table 141 – CalculateDecommissionDate

| Parameter Name | Type   | Mandatory | Description                                      |
|----------------|--------|-----------|--------------------------------------------------|
| date           | String | Y         | Any date.                                        |
| Period         | String | Y         | it is a numeric value like 1,2,3....9            |
| periodvalue    | String | Y         | It can be 'days', 'months', 'weeks', or 'years'. |

#### 4.11.4 GetSelectedValue

This method is used to get selected value of the control which is bind through custom logic.

Method Signature:

GetSelectedValue(Control)

Sample Response:

```
<Current selected value of the control>
```

Parameter Details:

Table 142 – GetSelectedValue

| Parameter Name | Type   | Mandatory | Description                                      |
|----------------|--------|-----------|--------------------------------------------------|
| Control        | object | Y         | Object of the control e.g., "this" / \$(control) |

#### 4.11.5 GetDomainDetails

This method is used to get Domain details of logged in user's organization.

Method Signature:

GetDomainDetails(controlId, async, callback)

Sample Response:

```
[{"Id":3,"DomainEntityID":"DMN-E65B0B4A-E662-4274-935B-F05517A494F4","DisplayName":"Domain1","LDAPURL":"","DNSIP":"","AlternateDNSIP":"","PrimaryWINS":"","SecondaryWINS":"","NetBIOSName":"","Domain":"INV","UserName":"INV","Password":"AdGRkyq0wZX1xMEMSxj4DA==","IsActive":"Y","OUName":"","CustomField1":"","CustomField2":"","CustomField3":"","CustomField4":"","CustomField5":"","OrgEntityID":"ORG-29A1B191-7720-44D8-9302-4F89DAC9C896","IsApplicableforlogin":"N","ConfiguredADUser":null,"IsADSync":"Y","IsUsedforDomainJoin":"Y"}]
```

Parameter Details:

Table 143 – GetDomainDetail

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                             |
|----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of “Select control” to be populated.<br>If Id is passed, then control will be populated else “Result set” will be returned in JSON format.                                                                                                                                                           |
| async          | Boolean  | N         | In case it’s False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it’s True:<br>Function will be called asynchronously.<br>Execution will not wait for method execution completion. It will jump to next statement. |
| Callback       | Function | N         | User can pass function name that can get executed on completion of Parent function call.                                                                                                                                                                                                                |

#### 4.11.6 QueryString keys

This section contains the list of all Query String keys that is used in different screens.

Key Availability Matrix:

- AE: Available & Encrypted
- NA: Not Available
- ANE: Available & Not Encrypted

Table 144 - Query String Keys

| Keys             | Request UI |      |           |          | Action UI |      |           |          |
|------------------|------------|------|-----------|----------|-----------|------|-----------|----------|
|                  | New        | Edit | ReferBack | Approval | New       | Edit | ReferBack | Approval |
| CEID             | AE         | NA   | NA        | NA       | NA        | NA   | NA        | NA       |
| EEID             | AE         | NA   | NA        | NA       | NA        | NA   | NA        | NA       |
| CName            | AE         | NA   | NA        | NA       | NA        | NA   | NA        | NA       |
| servicecatalogid | AE         | AE   | AE        | AE       | NA        | NA   | NA        | NA       |
| EndPoint         | AE         | AE   | AE        | AE       | NA        | NA   | NA        | NA       |
| PlatFormName     | AE         | AE   | AE        | NA       | NA        | NA   | NA        | NA       |
| RegionName       | AE         | AE   | AE        | AE       | NA        | NA   | NA        | NA       |
| DynamicFormID    | AE         | NA   | NA        | NA       | NA        | NA   | NA        | NA       |
| orderno          | NA         | AE   | AE        | AE       | NA        | NA   | NA        | AE       |
| ReferBackFlag    | NA         | ANE  | ANE       | NA       | NA        | NA   | NA        | NA       |
| ApprovalTypeeld  | NA         | NA   | NA        | ANE      | NA        | NA   | NA        | ANE      |
| EntityTypeCode   | NA         | NA   | NA        | ANE      | NA        | NA   | NA        | ANE      |
| uitemplateid     | NA         | NA   | NA        | NA       | ANE       | ANE  | ANE       | NA       |
| objecttype       | NA         | NA   | NA        | NA       | ANE       | ANE  | ANE       | ANE      |
| objectid         | NA         | NA   | NA        | NA       | ANE       | ANE  | ANE       | ANE      |
| requestno        | NA         | NA   | NA        | NA       | AE        | AE   | AE        | NA       |
| itemno           | NA         | NA   | NA        | NA       | ANE       | NA   | ANE       | NA       |
| platformcode     | NA         | NA   | NA        | NA       | ANE       | NA   | ANE       | NA       |
| cimasterId       | NA         | NA   | NA        | NA       | ANE       | ANE  | ANE       | ANE      |
| actionName       | NA         | NA   | NA        | NA       | AE        | AE   | AE        | NA       |

Key Details:

Table 145 - Key Details

| Key Name         | Description                                                                                                                                                                                   |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CEID             | Unique Identifier for catalog created in MyCloud.                                                                                                                                             |
| EEID             | Unique Identifier of Cloud Endpoint created in MyCloud.                                                                                                                                       |
| CName            | Catalog Name of associated catalog with request.                                                                                                                                              |
| servicecatalogid | Unique Identifier of published service catalog in MyCloud.                                                                                                                                    |
| EndPoint         | It Contains different values based on the cloud provider.<br>ARM: It stores Subscription id of the provisioning endpoint<br>AWS: It stores Account ID<br>VMWAR/SCVMM: It Stores Platform name |
| PlatFormName     | Unique code of cloud provider entity in MyCloud for e.g SCVM2                                                                                                                                 |
| RegionName       | Region name in which catalog is published and associated with UI.                                                                                                                             |
| DynamicFormID    | Unique Identifier for dynamic UI form created in MyCloud.                                                                                                                                     |
| Orderno          | Unique Identifier for created request in MyCloud                                                                                                                                              |
| ReferBackFlag    | In case it's Yes: Current request is referred back<br>In case it's No: Current request can be edited                                                                                          |
| ApprovalTypeld   | It is the code used to map a SR for approvers like IT or Business personal in the case of approval or refer back. It contains values like "ITAPP" or "BUAPP".                                 |
| EntityTypeCode   | It contains cloud provider code like "VMWAR"," ARM" etc.                                                                                                                                      |
| Uitemplateid     | Unique Identifier for dynamic UI form created in MyCloud                                                                                                                                      |
| Objecttype       | Unique Code in MyCloud, e.g., for Cluster use CL, Network NTW, Storage STR                                                                                                                    |
| objected         | Unique Identifier of Resource (object Id of cimaster) like Id of VM -Virtual Machine, LB-Load Balancer etc.                                                                                   |
| Requestno        | Unique Identifier for created request in MyCloud.                                                                                                                                             |
| Itemno           | Unique Identifier for created item in MyCloud.                                                                                                                                                |
| Platformcode     | Unique Platform Code of Cloud Endpoint created in MyCloud                                                                                                                                     |
| cimasterId       | Unique Identifier of CI Details MyCloud                                                                                                                                                       |
| actionName       | It is name of action associated with request.                                                                                                                                                 |

#### 4.11.7 GetPeriods

This method is used to get period details.

Method Signature:

GetPeriod(controlId, async)

Sample Response:

```
[{"Code": "d", "text": "Day(s)", "CodeType": "PERIODTYPE", "Description": "Period", "PrintOrder": "1", "IsActive": "Y", "FieldID": "", "FieldValue": ""}]
```

```
{, {"Code": "m", "text": "Month(s)", "CodeType": "PERIODTYPE", "Description": "Period", "PrintOrder": "3", "IsActive": "Y", "FieldID": "", "FieldValue": ""}, {"Code": "w", "text": "Week(s)", "CodeType": "PERIODTYPE", "Description": "Period", "PrintOrder": "2", "IsActive": "Y", "FieldID": "", "FieldValue": ""}, {"Code": "y", "text": "Year(s)", "CodeType": "PERIODTYPE", "Description": "Period", "PrintOrder": "4", "IsActive": "Y", "FieldID": "", "FieldValue": ""}] }
```

Parameter Details:

Table 146 – GetPeriods

| Parameter Name | Type    | Mandatory | Description                                                                                                                                                                                                                                                                                             |
|----------------|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String  | N         | Id of “Select control” to be populated.<br>If Id is passed, then control will be populated else “Result set” will be returned in JSON format.                                                                                                                                                           |
| async          | Boolean | N         | In case it’s False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it’s True:<br>Function will be called asynchronously.<br>Execution will not wait for method execution completion. It will jump to next statement. |

#### 4.11.8 GetServicePlanLists

This method is used to get service plan details available in MyCloud.

Method Signature:

GetServicePlanList (controlId, async)

Sample Response:

```
[{"Id": "1", "text": "Platinum", "Description": "", "SortOrder": "2", "IsActive": "Y", "VersionNo": "1", "ActivationDate": "30 Mar 2020"}]
```

Parameter Details:

Table 147 – GetServicePlanLists

| Parameter Name | Type    | Mandatory | Description                                                                                                                                                                                                                                                                                             |
|----------------|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String  | N         | Id of "Select control" to be populated.<br>If Id is passed, then control will be populated else "Result set" will be returned in JSON format.                                                                                                                                                           |
| async          | Boolean | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously.<br>Execution will not wait for method execution completion. It will jump to next statement. |

#### 4.11.9 GetPlatformCostType

This method is used to get Platform CostType details available in MyCloud.

Method Signature:

GetPlatformCostType(controlId, async)

Sample Response:

```
{
  "Name": "",
  "Description": "",
  "IsActive": ""
}
```

Parameter Details:

Table 148 – GetPlatformCostType

| Parameter Name | Type    | Mandatory | Description                                                                                                                                                                                                                                                                                             |
|----------------|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String  | N         | Id of "Select control" to be populated.<br>If Id is passed, then control will be populated else "Result set" will be returned in JSON format.                                                                                                                                                           |
| async          | Boolean | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously.<br>Execution will not wait for method execution completion. It will jump to next statement. |

#### 4.11.10 SetControlVisibility

This method is used to set control visibility in MyCloud.

Method Signature:

SetControlVisibility(controlId, isVisible, visibilityOption)

Parameter Details:

Table 149 – SetControlVisibility

| Parameter Name | Type    | Mandatory | Description                                                                                                                                                                                                                                       |
|----------------|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String  | N         | Id of "Select control" to be populated.<br>If Id is passed, then control will be populated else "Result set" will be returned in JSON format.                                                                                                     |
| isVisible      | Boolean | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously.<br>Execution will not wait for method |

| Parameter Name | Type   | Mandatory | Description                                                                                                                        |
|----------------|--------|-----------|------------------------------------------------------------------------------------------------------------------------------------|
|                |        |           | execution completion. It will jump to next statement.                                                                              |
| VisibleOption  | String | N         | This method can be used to show or hide control on pop up and Email.<br>VisibilityOption: onRequestPopUp, onEmail, onPopUpAndEmail |

#### 4.11.11 GetPlatformWiseSizeDetails (Platform and Region Wise Size Details)

This method is used to return the list of Size based on Region and Platform.

Method Signature:

GetPlatformWiseSizeDetails(Region, PlatformCode, controlId, async, callback, addlparam)

Sample Response:

```
[{"SizeID":"13","Size":"A4","TierCode":"BASIC","CPUCores":"8","Memory":"14.00","MemoryUnit":"GB","DiskTypes":"OS,Temporary","DiskSizes":"1023,240","SizeDescription":"Basic_A4 (CPUCores:8, Memory: 14.00 GB)","AdditionalDiskSizeINTB":"1","MaxNoOfDisksAllowed":"16","MaxIOPS":"","IOPSPerDISK":"","AzureRoleSize":"Basic_A4","EntityID":"SIZE-170044A9-32C1-451E-B957-A2FDD86BF6FB","IsPremium":"N","ARMRegionSizeID":"375","ARMSizeID":"13","ARMSizeName":"Basic_A4","Tier":"Basic","Family":"basicAFamily","Region":"southeastasia","Zones":"","MaxResourceVolumeMB":"245760","OSVhdSizeMB":"1047552","vCPUs":"8","HyperVGenerations":"V1","MemoryGB":"14","MaxDataDiskCount":"16","LowPriorityCapable":"TRUE","PremiumIO":"FALSE","VMDeploymentTypes":"IaaS","CombinedTempDiskAndCachedIOPS":"","CombinedTempDiskAndCachedReadBytesPerSecond":"","CombinedTempDiskAndCachedWriteBytesPerSecond":"","UncachedDiskIOPS":"","UncachedDiskBytesPerSecond":"","EphemeralOSDiskSupported":"FALSE","EncryptionAtHostSupported":"FALSE","AcceleratedNetworkingEnabled":"FALSE","RdmaEnabled":"FALSE","MaxNetworkInterfaces":"2","text":"A4"}]
```

Parameter Details:

Table 150 – GetSizeByRegionPlatform

| Parameter Name  | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Region          | String   | Y         | If region is passed, then details of passed region are returned.                                                                                                                                                                                                                                                                                                                                                                                    |
| PlatformCode    | String   | Y         | If platformCode is passed, then details of passed Platform Code are returned.                                                                                                                                                                                                                                                                                                                                                                       |
| controlId       | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                           |
| async           | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                                |
| callback        | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                             |
| additionalParam | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br><br>To filter records based on column name received from output. e.g., filter="keyname=keyvalue"<br><br>To Sort By:<br><br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br><br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.11.12 GetCodeTypeMaster

This method is used to return the Code Type in MyCloud.

Method Signature:

GetCodeTypeMaster()

Sample Response:

```
[{"Code": "AWSRIR", "text": "Reserved Instance", "CodeType": "CETYPE", "Description": "Amazon Cost Explorer Reserved Instance", "PrintOrder": "1", "IsActive": "Y", "IsBillable": "", "IsComputable24Hours": "", "IsBillableAsSeperateItem": "", "ApplicableCloudPlatform": "", "OptionalField1": "", "OptionalField2": "", "OptionalField3": "", "OptionalField4": ""}, {"Code": "FORECAST", "text": "Usage Forecast", "CodeType": "CETYPE", "Description": "Amazon Cost Explorer Usage Forecast", "PrintOrder": "2", "IsActive": "Y", "IsBillable": "", "IsComputable24Hours": "", "IsBillableAsSeperateItem": "", "ApplicableCloudPlatform": "", "OptionalField1": "", "OptionalField2": "", "OptionalField3": "", "OptionalField4": ""}]
```

Parameter Details:

Table 151 – GetCodeTypeMaster

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                         |
|----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| codeType       | String   | Y         | Service Plan ID is a plan related to cost model created by provider and map to the resource in MyCloud.                                                                                                                                                                                             |
| Filter         | String   | N         | Filter is optional where the user can pass the clause                                                                                                                                                                                                                                               |
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                           |
| Async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                             |

#### 4.11.13 GetAllAdditionalStorage

This method is used to return the list of all additional storage in MyCloud.

Method Signature:

GetAllAdditionalStorage()

Sample Response:

```
'[[{"Size":"10","Unit":"GB","TValue":"10"}, {"Size":"25","Unit":"GB",
"TValue":"25"}]] '
```

#### 4.11.14 GetAllTags

This method is used to return the list of all tags in MyCloud.

Method Signature:

GetAllTags()

Sample Response:

```
{ "CollectionType": "Tag", "IsEmailRequired": "true", "EmailOrder": "0", "tagJson": [[{"demoKey": "DemoValue"}]] }
```

### 4.12 MultiHypervisor

This method is used to return the list of Costing of Components created in MyCloud. The JavaScript function is available in the UI intellisense MCLD.Functions.MultiHypervisor

#### 4.12.1 GetMappedEndPoints

This method is used to return the list of mapped endpoints available in MyCloud.

Method Signature:

GetMappedEndPoints(controlId, async, callback, addlparam)

Sample Response:

```
{
  "totalRecords": 0,
  "records": [
    {
      "name": "",
      "entityId": "",
      "configurations": {}
    }
  ]
}
```

Parameter Details:

---

Table 152 – GetMappedEndPoints

---

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                             |
| Async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to the next statement.                                                                                                                                  |
| Callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                               |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output.<br>e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

## 4.13 Costing JavaScript Library

This method is used to return the list of Costing of Components created in MyCloud. The JavaScript function is available in the UI intellisense MCLD.Functions.Costing

### 4.13.1 GetComponentExpectedCost

This is MyCloud Out of Box function which will calculate expected cost for a service catalog.

Internally this method use controls values which are applicable for cost in dynamic UI on the basis of values of these fields.It will return expected cost to requester while placing request.

Method Signature:

GetComponentExpectedCost()

Sample Response:

| Expected Cost                                |                     |          |                        |              |               |                |
|----------------------------------------------|---------------------|----------|------------------------|--------------|---------------|----------------|
| ItemNo : 1                                   |                     |          |                        |              |               |                |
| Service Plan : platinum    Period : 1 Day(s) |                     |          |                        |              |               |                |
| Item Type                                    | Item                | Quantity | Cost Plan              | Running Cost | One Time Cost | Recurring Cost |
| Catalog Item                                 | CiscoCostingTesting | 1        | Allocation Based Model | 3            | 5             | 0.57           |
| Component                                    | Compute Unit        | 2        | Allocation Based Model | 10           | 8             | 0.86           |
| Component                                    | Memory              | 32       | Allocation Based Model | 160          | 96            | 13.71          |
| Service                                      | backup              | 1        | Allocation based model | 2            | 2             | 0              |
| Service                                      | AGService           | 1        | Allocation based model | 5            | 5             | 0.71           |
| Storage                                      | Tier-1              | 1        | Allocation Based Model | 3            | 4             | 4              |
| Total Cost (₹)                               |                     |          |                        | 183          | 120           | 19.85          |
| Total Cost (₹) : 322.85                      |                     |          |                        |              |               |                |

Figure 25 – Expected Cost

Sample Input:

```
{ "catalogEntityId": "CAT-7667C531-518A-4842-8C7C-382FB8543054", "platformEntityId": "CICO-95693374-C2B5-4B5C-B7FA-DADE3C28C86B", "orgEntityId": "ORG-1F7557F7-F150-44E0-824F-91B7B90788B9", "items": [{"itemNo": 1, "computeCPU": ["2"], "computeMemoryInGB": ["32"], "osDiskInGB": [{"type": "SRT1", "value": "1"}], "period": [{"id": "d", "value": "1"}], "servicePlan": "platinum", "additionalDiskInGB": []}] }
```

#### 4.14 Request JavaScript Library

In My cloud we can create dynamic UI from Workflow management -> Manage UI Template menu. This dynamic UI form we can use to raise a new request by requester login.

There is a functionality to add additional information with request form without adding any control.

Provider user should allow to add an additional information within a request. This functionality will be database driven.

Functions will always display to provider, “Additional Info” column and its value will be only display in MyRequest page’s grid for requester, if “IsAdditionalInfoAllowed” option is Y.

In case of changing the value of “IsAdditionalInfoAllowed”, the user must reset the IIS Web portal as well.

Login in MyCloud by requester role. Go to Request -> Request Service Catalog -> Select Cloud Provider -> Select Provisioning Endpoint -> Request.

Fill all required information and press the submit button, a confirmation popup box should open on click on confirm button in the background MCLD.Functions.Request.GetRequestAdditionalInfo() will be called and in json on root level need to add 1 key “RequestAdditotnllInfo” and its value will be assigned by MCLD.Functions.Request.GetRequestAdditionalInfo().

This method is used to set and display additional details on MyRequest page, if feature is enabled. The javascript function is available in the UI intelligence MCLD.function.Request

#### 4.14.1 SetRequestAdditionalInfo

This method is used to set additional info on MyRequest.

Method Signature:

SetRequestAdditionalInfo(inputJSON)

#### 4.14.2 GetRequestAdditionalInfo

This method is used to display additional info detail on MyRequest page.

Method Signature:

GetRequestAdditionalInfo(inputJSON)

Sample Response:

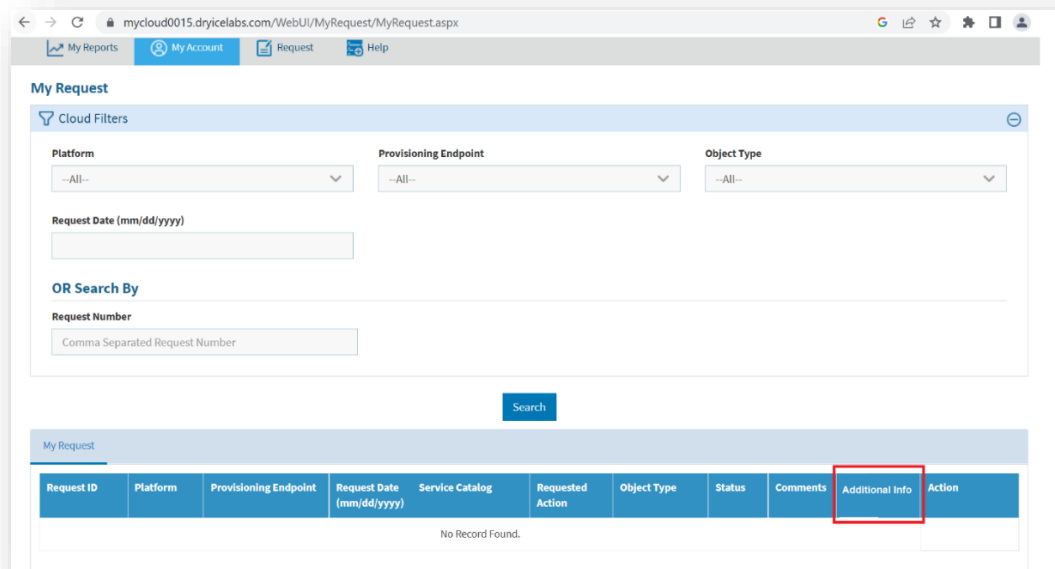


Figure 26 – Display Additional Info

### 4.15 Red Hat OpenShift JavaScript Library

This section contains the list of all Red Hat OpenShift JavaScript methods that is used in UI form to bind controls.

#### 4.15.1 getNamespaces

This method is used to return the list of Red Hat OpenShift Virtualization namespaces in MyCloud.

Method Signature:

getNamespaces (controlId, async, callback, addlparam)

Sample Response:

```
[{"platformEntityID":"OCP-C5E26138-7E86-407C-8666-8909360ADB4D","uid":"xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx","name":"default","labels":{"kubernetes.io/metadata.name":"default","olm.operatorgroup.uid/671336ec-f0c6-44ae-ab2f-e012db0343f5":"","pod-security.kubernetes.io/audit":"privileged","pod-security.kubernetes.io/enforce":"privileged","pod-security.kubernetes.io/warn":"privileged"},"annotations":{"openshift.io/sa.scc.mcs":"s0:c3,c2","openshift.io/sa.scc.supplemental-groups":"1000010000/10000","openshift.io/sa.scc.uid-range":"1000010000/10000"},"status":"Active","resourceVersion":"3941925","createdBy":"USER-703291E7-54BE-410A-B604-3C692CD36268","createdDate":"2024-08-22T07:02:14.927","modifiedBy":"USER-703291E7-54BE-410A-B604-3C692CD36268"}]
```

Table 153 – getNamespaces

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                      |
|----------------|----------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                        |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                          |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:                                                    |

| Parameter Name | Type | Mandatory | Description                                                                                                     |
|----------------|------|-----------|-----------------------------------------------------------------------------------------------------------------|
|                |      |           | To sort the data based on column name. e.g.,<br>sortby="keyname"                                                |
|                |      |           | To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC<br>(descending). e.g., sortorder="ASC" |

#### 4.15.2 getProjects

This method is used to return the list of Red Hat OpenShift Virtualization Projects in MyCloud.

Method Signature:

getProjects (controlId, async, callback, addlparam)

Sample Response:

```
[{"platformEntityID":"OCP-C5E26138-7E86-407C-8666-8909360ADB4D","uid":"xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx","name":"assisted-installer","labels":{"kubernetes.io/metadata.name":"assisted-installer","pod-security.kubernetes.io/audit":"privileged","pod-security.kubernetes.io/enforce":"privileged","pod-security.kubernetes.io/warn":"privileged","security.openshift.io/scc.podSecurityLabelSync":"false"},"annotations":{"openshift.io/sa.scc.mcs":"s0:c1,c0","openshift.io/sa.scc.supplemental-groups":"1000000000/10000","openshift.io/sa.scc.uid-range":"1000000000/10000"},"status":"Active","resourceVersion":"956","createdBy":"USER-703291E7-54BE-410A-B604-3C692CD36268","createdDate":"2024-08-22T07:02:15.473","modifiedBy":"USER-703291E7-54BE-410A-B604-3C692CD36268"}]
```

Table 154 – getProjects

| Parameter Name | Type    | Mandatory | Description                                                                                                                                                                                               |
|----------------|---------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String  | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format. |
| async          | Boolean | N         | In case it's False:                                                                                                                                                                                       |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |          |           | <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p>                                                                                                                                                                      |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                       |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g.,<br/>filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.15.3 `getNodes`

This method is used to return the list of Nodes in MyCloud.

Method Signature:

`getNodes (controlId, async, callback, addlparam)`

Sample Response:

```
[{"entityID":"NODES-09DE5D11-76B1-444C-B87B-6123ACDA3740","platformEntityID":"OCP-C5E26138-7E86-407C-8666-8909360ADB4D","uid":"xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx","name":"openshift.dryicelabs.com","labels":{"beta.kubernetes.io/arch":"amd64","be
```

```
ta.kubernetes.io/os":"linux","cpu-  
feature.node.kubevirt.io/3dnowprefetch":"true","cpu-  
feature.node.kubevirt.io/abm":"true","cpu-  
feature.node.kubevirt.io/adx":"true","cpu-  
feature.node.kubevirt.io/aes":"true","cpu-  
feature.node.kubevirt.io/amd-ssbd":"true","cpu-  
feature.node.kubevirt.io/amd-stibp":"true","cpu-  
feature.node.kubevirt.io/apic":"true","cpu-  
feature.node.kubevirt.io/arat":"true","cpu-  
feature.node.kubevirt.io/arch-capabilities":"true","cpu-  
feature.node.kubevirt.io/avx":"true","cpu-  
feature.node.kubevirt.io/avx2":"true","cpu-  
feature.node.kubevirt.io/avx512bw":"true","cpu-  
feature.node.kubevirt.io/avx512cd":"true","cpu-  
feature.node.kubevirt.io/avx512dq":"true","cpu-  
feature.node.kubevirt.io/avx512f":"true","cpu-  
feature.node.kubevirt.io/avx512vl":"true","cpu-  
feature.node.kubevirt.io/bmi1":"true","cpu-  
feature.node.kubevirt.io/bmi2":"true","cpu-  
feature.node.kubevirt.io/clflush":"true","cpu-  
feature.node.kubevirt.io/clflushopt":"true","cpu-  
feature.node.kubevirt.io/clwb":"true","cpu-  
feature.node.kubevirt.io/cmov":"true","cpu-  
feature.node.kubevirt.io/cx16":"true","cpu-  
feature.node.kubevirt.io/cx8":"true","cpu-  
feature.node.kubevirt.io/de":"true","cpu-  
feature.node.kubevirt.io/erms":"true","cpu-  
feature.node.kubevirt.io/f16c":"true","cpu-  
feature.node.kubevirt.io/fma":"true","cpu-  
feature.node.kubevirt.io/fpu":"true","cpu-  
feature.node.kubevirt.io/fsgsbase":"true","cpu-  
feature.node.kubevirt.io/fxsr":"true","cpu-  
feature.node.kubevirt.io/hle":"true","cpu-  
feature.node.kubevirt.io/hypervisor":"true","cpu-  
feature.node.kubevirt.io/ibpb":"true","cpu-  
feature.node.kubevirt.io/ibrs":"true","cpu-  
feature.node.kubevirt.io/invpcid":"true","cpu-
```

```
feature.node.kubevirt.io/invtsc":"true","cpu-  
feature.node.kubevirt.io/lahf_lm":"true","cpu-  
feature.node.kubevirt.io/lm":"true","cpu-  
feature.node.kubevirt.io/mca":"true","cpu-  
feature.node.kubevirt.io/mce":"true","cpu-  
feature.node.kubevirt.io/md-clear":"true","cpu-  
feature.node.kubevirt.io/mmx":"true","cpu-  
feature.node.kubevirt.io/movbe":"true","cpu-  
feature.node.kubevirt.io/mpx":"true","cpu-  
feature.node.kubevirt.io/msr":"true","cpu-  
feature.node.kubevirt.io/mtrr":"true","cpu-  
feature.node.kubevirt.io/nx":"true","cpu-  
feature.node.kubevirt.io/pae":"true","cpu-  
feature.node.kubevirt.io/pat":"true","cpu-  
feature.node.kubevirt.io/pcid":"true","cpu-  
feature.node.kubevirt.io/pclmuldq":"true","cpu-  
feature.node.kubevirt.io/pdcm":"true","cpu-  
feature.node.kubevirt.io/pdpelgb":"true","cpu-  
feature.node.kubevirt.io/pge":"true","cpu-  
feature.node.kubevirt.io/pku":"true","cpu-  
feature.node.kubevirt.io/pni":"true","cpu-  
feature.node.kubevirt.io/popcnt":"true","cpu-  
feature.node.kubevirt.io/pschange-mc-no":"true","cpu-  
feature.node.kubevirt.io/pse":"true","cpu-  
feature.node.kubevirt.io/pse36":"true","cpu-  
feature.node.kubevirt.io/rdrand":"true","cpu-  
feature.node.kubevirt.io/rdseed":"true","cpu-  
feature.node.kubevirt.io/rdtscp":"true","cpu-  
feature.node.kubevirt.io/rsba":"true","cpu-  
feature.node.kubevirt.io/rtm":"true","cpu-  
feature.node.kubevirt.io/sep":"true","cpu-  
feature.node.kubevirt.io/skip-lldf1-vmentry":"true","cpu-  
feature.node.kubevirt.io/smap":"true","cpu-  
feature.node.kubevirt.io/smep":"true","cpu-  
feature.node.kubevirt.io/spec-ctrl":"true","cpu-  
feature.node.kubevirt.io/ss":"true","cpu-  
feature.node.kubevirt.io/ssbd":"true","cpu-
```

```
feature.node.kubevirt.io/sse":"true","cpu-
feature.node.kubevirt.io/sse2":"true","cpu-
feature.node.kubevirt.io/sse4.1":"true","cpu-
feature.node.kubevirt.io/sse4.2":"true","cpu-
feature.node.kubevirt.io/ssse3":"true","cpu-
feature.node.kubevirt.io/stibp":"true","cpu-
feature.node.kubevirt.io/syscall":"true","cpu-
feature.node.kubevirt.io/tsc":"true","cpu-
feature.node.kubevirt.io/tsc-deadline":"true","cpu-
feature.node.kubevirt.io/tsc_adjust":"true","cpu-
feature.node.kubevirt.io/umip":"true","cpu-
feature.node.kubevirt.io/vme":"true","cpu-
feature.node.kubevirt.io/vmx":"true","cpu-
feature.node.kubevirt.io/x2apic":"true","cpu-
feature.node.kubevirt.io/xgetbv1":"true","cpu-
feature.node.kubevirt.io/xsave":"true","cpu-
feature.node.kubevirt.io/xsavec":"true","cpu-
feature.node.kubevirt.io/xsaveopt":"true","cpu-
feature.node.kubevirt.io/xsaves":"true","cpu-model-
migration.node.kubevirt.io/Broadwell":"true","cpu-model-
migration.node.kubevirt.io/Broadwell-IBRS":"true","cpu-model-
migration.node.kubevirt.io/Broadwell-noTSX":"true","cpu-model-
migration.node.kubevirt.io/Broadwell-noTSX-IBRS":"true","cpu-model-
migration.node.kubevirt.io/Haswell":"true","cpu-model-
migration.node.kubevirt.io/Haswell-IBRS":"true","cpu-model-
migration.node.kubevirt.io/Haswell-noTSX":"true","cpu-model-
migration.node.kubevirt.io/Haswell-noTSX-IBRS":"true","cpu-model-
migration.node.kubevirt.io/IvyBridge":"true","cpu-model-
migration.node.kubevirt.io/IvyBridge-IBRS":"true","cpu-model-
migration.node.kubevirt.io/Nehalem":"true","cpu-model-
migration.node.kubevirt.io/Nehalem-IBRS":"true","cpu-model-
migration.node.kubevirt.io/Penryn":"true","cpu-model-
migration.node.kubevirt.io/SandyBridge":"true","cpu-model-
migration.node.kubevirt.io/SandyBridge-IBRS":"true","cpu-model-
migration.node.kubevirt.io/Skylake-Client":"true","cpu-model-
migration.node.kubevirt.io/Skylake-Client-IBRS":"true","cpu-model-
migration.node.kubevirt.io/Skylake-Client-noTSX-IBRS":"true","cpu-
```

```
model-migration.node.kubevirt.io/Skylake-Server":"true","cpu-model-
migration.node.kubevirt.io/Skylake-Server-IBRS":"true","cpu-model-
migration.node.kubevirt.io/Skylake-Server-noTSX-IBRS":"true","cpu-
model-migration.node.kubevirt.io/Westmere":"true","cpu-model-
migration.node.kubevirt.io/Westmere-IBRS":"true","cpu-
model.node.kubevirt.io/Broadwell":"true","cpu-
model.node.kubevirt.io/Broadwell-IBRS":"true","cpu-
model.node.kubevirt.io/Broadwell-noTSX":"true","cpu-
model.node.kubevirt.io/Broadwell-noTSX-IBRS":"true","cpu-
model.node.kubevirt.io/Haswell":"true","cpu-
model.node.kubevirt.io/Haswell-IBRS":"true","cpu-
model.node.kubevirt.io/Haswell-noTSX":"true","cpu-
model.node.kubevirt.io/Haswell-noTSX-IBRS":"true","cpu-
model.node.kubevirt.io/IvyBridge":"true","cpu-
model.node.kubevirt.io/IvyBridge-IBRS":"true","cpu-
model.node.kubevirt.io/Nehalem":"true","cpu-
model.node.kubevirt.io/Nehalem-IBRS":"true","cpu-
model.node.kubevirt.io/Penryn":"true","cpu-
model.node.kubevirt.io/SandyBridge":"true","cpu-
model.node.kubevirt.io/SandyBridge-IBRS":"true","cpu-
model.node.kubevirt.io/Skylake-Client":"true","cpu-
model.node.kubevirt.io/Skylake-Client-IBRS":"true","cpu-
model.node.kubevirt.io/Skylake-Client-noTSX-IBRS":"true","cpu-
model.node.kubevirt.io/Skylake-Server":"true","cpu-
model.node.kubevirt.io/Skylake-Server-IBRS":"true","cpu-
model.node.kubevirt.io/Skylake-Server-noTSX-IBRS":"true","cpu-
model.node.kubevirt.io/Westmere":"true","cpu-
model.node.kubevirt.io/Westmere-IBRS":"true","cpu-
timer.node.kubevirt.io/tsc-frequency":"2299999000","cpu-
timer.node.kubevirt.io/tsc-scalable":"true","cpu-
vendor.node.kubevirt.io/Intel":"true","cpumanager":"false","host-
model-cpu.node.kubevirt.io/Skylake-Server-IBRS":"true","host-model-
required-features.node.kubevirt.io/amd-ssbd":"true","host-model-
required-features.node.kubevirt.io/amd-stibp":"true","host-model-
required-features.node.kubevirt.io/arch-capabilities":"true","host-
model-required-features.node.kubevirt.io/clflushopt":"true","host-
model-required-features.node.kubevirt.io/hypervisor":"true","host-
```

```

model-required-features.node.kubevirt.io/ibpb":"true","host-model-
required-features.node.kubevirt.io/ibrs":"true","host-model-
required-features.node.kubevirt.io/invtsch":"true","host-model-
required-features.node.kubevirt.io/md-clear":"true","host-model-
required-features.node.kubevirt.io/pdcm":"true","host-model-
required-features.node.kubevirt.io/pku":"true","host-model-required-
features.node.kubevirt.io/pschange-mc-no":"true","host-model-
required-features.node.kubevirt.io/rsba":"true","host-model-
required-features.node.kubevirt.io/skip-lldf1-vmentry":"true","host-
model-required-features.node.kubevirt.io/ss":"true","host-model-
required-features.node.kubevirt.io/ssbd":"true","host-model-
required-features.node.kubevirt.io/stibp":"true","host-model-
required-features.node.kubevirt.io/tsc_adjust":"true","host-model-
required-features.node.kubevirt.io/umip":"true","host-model-
required-features.node.kubevirt.io/vmx":"true","host-model-required-
features.node.kubevirt.io/xsaves":"true","hyperv.node.kubevirt.io/ba
se":"true","hyperv.node.kubevirt.io/frequencies":"true","hyperv.node
.kubevirt.io/ipi":"true","hyperv.node.kubevirt.io/reenlightenment":"
true","hyperv.node.kubevirt.io/reset":"true","hyperv.node.kubevirt.i
o/runtime":"true","hyperv.node.kubevirt.io/synic":"true","hyperv.nod
e.kubevirt.io/synic2":"true","hyperv.node.kubevirt.io/synictimer":"t
rue","hyperv.node.kubevirt.io/time":"true","hyperv.node.kubevirt.io/
tlbflush":"true","hyperv.node.kubevirt.io/vpindex":"true","kubernet
es.io/arch":"amd64","kubernetes.io/hostname":"openshift.dryicelabs.co
m","kubernetes.io/os":"linux","kubevirt.io/ksm-
enabled":"false","kubevirt.io/schedulable":"true","node-
role.kubernetes.io/control-plane":"","node-
role.kubernetes.io/master":"","node-
role.kubernetes.io/worker":"","node.openshift.io/os_id":"rhcos","sch
eduling.node.kubevirt.io/tsc-frequency-
22999999000":"true","tag":"mycloud","topology.csi.infinidat.com/zone"
:"true"},"annotations":{"csi.volume.kubernetes.io/nodeid":{"infinibo
x-csi-driver":"openshift.dryicelabs.com$$xxx.xx.x.xx
"},"k8s.ovn.org/host-cidrs":["xxx.xx.x.xx"],"k8s.ovn.org/l3-gateway-
config":{"default":{"mode":"shared","interface-id":"br-
ex_openshift.dryicelabs.com","mac-address":"xxx.xx.x.xx","ip-
addresses":["xxx.xx.x.xx"],"ip-address":"xxx.xx.x.xx","next-hops":["

```

```

xxx.xx.x.xx"],"next-hop":"xxx.xx.x.xx","node-port-
enable":"true","vlan-id":"0"}}, "k8s.ovn.org/network-
ids":{"default":"0"},"k8s.ovn.org/node-chassis-id":"308d3d66-8921-
493c-b10f-73696d28dd23","k8s.ovn.org/node-gateway-router-lrp-
ifaddr":{"ipv4":"xxx.xx.x.xx"},"k8s.ovn.org/node-
id":"2","k8s.ovn.org/node-mgmt-port-mac-
address":"xxx.xx.x.xx","k8s.ovn.org/node-primary-
ifaddr":{"ipv4":"xxx.xx.x.xx"},"k8s.ovn.org/node-
subnets":{"default":["xxx.xx.x.xx"]},"k8s.ovn.org/node-transit-
switch-port-ifaddr":{"ipv4":"xxx.xx.x.xx"},"k8s.ovn.org/remote-zone-
migrated":"openshift.dryicelabs.com","k8s.ovn.org/zone-
name":"openshift.dryicelabs.com","kubevirt.io/heartbeat":"2024-08-
26T08:30:33Z","kubevirt.io/ksm-handler-
managed":"false","machineconfiguration.openshift.io/controlPlaneTopo-
logy":"SingleReplica","machineconfiguration.openshift.io/currentConf-
ig":"rendered-master-
82974972f03c601c665eec00ed468cf4","machineconfiguration.openshift.io-
/desiredConfig":"rendered-master-
82974972f03c601c665eec00ed468cf4","machineconfiguration.openshift.io-
/desiredDrain":"uncordon-rendered-master-
82974972f03c601c665eec00ed468cf4","machineconfiguration.openshift.io-
/lastAppliedDrain":"uncordon-rendered-master-
82974972f03c601c665eec00ed468cf4","machineconfiguration.openshift.io-
/lastSyncedControllerConfigResourceVersion":"132589414","machineconf-
iguration.openshift.io/reason":"","machineconfiguration.openshift.io-
/state":"Done","volumes.kubernetes.io/controller-managed-attach-
detach":"true"},"resourceVersion":"140504638","hostname":"openshift.
dryicelabs.com","internalIp":"xxx.xx.x.xx","capacity":{"bridge.netwo-
rk.kubevirt.io/br1":"1k","cpu":"72","devices.kubevirt.io/kvm":"1k","
devices.kubevirt.io/tun":"1k","devices.kubevirt.io/vhost-
net":"1k","ephemeral-storage":"291400684Ki","hugepages-
1Gi":"0","hugepages-2Mi":"0",
"memory":"527837460Ki","pods":"250"},"allocatable":{"bridge.network.
kubevirt.io/br1":"1k","cpu":"71500m","devices.kubevirt.io/kvm":"1k",
"devices.kubevirt.io/tun":"1k","devices.kubevirt.io/vhost-
net":"1k","ephemeral-storage":"267481128106","hugepages-
1Gi":"0","hugepages-2Mi":"0",  "memory":"526686484Ki","pods":"250"},

```

```
"nodeRule":null,"isActive":null,"createdBy":"USER-703291E7-54BE-410A-B604-3C692CD36268","createdDate":"2024-08-22T07:02:18.223","modifiedBy":"USER-703291E7-54BE-410A-B604-3C692CD36268"}]
```

#### Parameter Details:

Table 155 – getNodes

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                              |
|----------------|----------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                     |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                  |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output. e.g.,<br>filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name.<br>e.g., sortby="keyname" |

| Parameter Name | Type | Mandatory | Description                                                                                                                 |
|----------------|------|-----------|-----------------------------------------------------------------------------------------------------------------------------|
|                |      |           | <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g.,<br/>sortorder="ASC"</p> |

#### 4.15.4 `getStorageClasses`

This method is used to return the list of Red Hat OpenShift Virtualization storageClasses in MyCloud.

Method Signature:

`getStorageClasses (controlId, async, callback, addlparam)`

Sample Response:

```
[{"entityId":"STRCLASS-B483F88A-6881-4D3A-ACB6-4DEAE4B34D16","platformEntityId":"OCP-C5E26138-7E86-407C-8666-8909360ADB4D","uid":"xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx","name":"lv-mocp05sc","annotations":{"description":"lv-mocp05sc"},"provisioner":"infinibox-csi-driver","reclaimPolicy":"Delete","allowVolumeExpansion":"true","volumeBindingMode":"Immediate","fsType":"","deviceClass":"","isActive":null,"createdBy":"USER-703291E7-54BE-410A-B604-3C692CD36268","createdDate":"2024-08-22T07:02:14.927","modifiedBy":"USER-703291E7-54BE-410A-B604-3C692CD36268"}]
```

Parameter Details:

Table 156 - `getStorageClasses`

| Parameter Name | Type    | Mandatory | Description                                                                                                                                                                                                                                                                                                         |
|----------------|---------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String  | N         | <p>Id of 'Select' control to be populated.</p> <p>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.</p>                                                                                                |
| async          | Boolean | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p> |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                   |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.15.5 `getPersistentVolumes`

This method is used to return the list of Red Hat OpenShift Virtualization PersistentVolumes in MyCloud.

Method Signature:

`getPersistentVolumes (controlId, async, callback, addlparam)`

Sample Response:

```
[{"entityId":"PERSVOL-04EC97E7-CD57-4EE7-AED7-0B7EA6189AC4","platformEntityId":"OCP-C5E26138-7E86-407C-8666-8909360ADB4D","uid":"xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx","name":"iscsi-pv","labels":"","annotations":{"pv.kubernetes.io/bound-by-controller":"yes"},"status":"Bound","storage":"50","storageType":"Gi","storageClassName":"lvmocp05sc","volumeNode":null,"accessMode":null,"persistentVolumeReclaimPolicy":null,"nfsServer":"","nfsPath":"","isActive":null,"createdBy":"USER-703291E7-54BE-410A-B604-3C692CD36268","createdDate":"2024-08-22T07:02:16.693","modifiedBy":"USER-703291E7-54BE-410A-B604-3C692CD36268"}]
```

Parameter Details:

Table 157 - `getPersistentVolumes`

| Parameter Name | Type   | Mandatory | Description                             |
|----------------|--------|-----------|-----------------------------------------|
| controlId      | String | N         | Id of 'Select' control to be populated. |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |          |           | If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                                                                                |
| async          | Boolean  | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p>                                                                                                                                            |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                       |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g.,<br/>sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |

#### 4.15.6 getVirtualMachines

This method is used to return the list of Red Hat OpenShift Virtualization Virtual Machine in MyCloud.

Method Signature:

getVirtualMachines (controlId, async, callback, addlparam, null, namespaceuid)

Sample Response:

```
[{"entityId":"INST-C58915AA-C47E-4B1E-B2B3-1722F324474F","platformEntityId":"OCP-C5E26138-7E86-407C-8666-8909360ADB4D","uid":"xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx","name":"centos7-coffee-grasshopper-10","nameSpaceName":"default","nameSpaceUid":"xxxxx","labels":{"app":"centos7-coffee-grasshopper-10","vm.kubevirt.io/template":"centos7-
```

```

server-
small", "vm.kubevirt.io/template.namespace": "openshift", "vm.kubevirt.
io/template.revision": "1", "vm.kubevirt.io/template.version": "v0.27.0
"}, "annotations": {"kubevirt.io/latest-observed-api-
version": "v1", "kubevirt.io/storage-observed-api-
version": "v1", "vm.kubevirt.io/validations": [      {"name": "minimal-
required-
memory", "path": "jsonpath::.spec.domain.memory.guest", "rule": "integer
", "message": "This      VM      requires      more      memory.", "min":
1073741824    }]}, "status": "Running", "resourceVersion": "135549936", "da
taVolumeTemplate": "", "templateAnnotations": {  "vm.kubevirt.io/flavor"
: "small",                      "vm.kubevirt.io/os": "centos7",
"vm.kubevirt.io/workload": "server", "cpu": {"cores":      1, "sockets":
1, "threads": 1    }, "disks": [      {      "disk": {      "bus": "virtio"},
"name": "rootdisk"          },      {      "disk": {      "bus": "virtio"},
"name": "cloudinitdisk"      },      {      "disk": {      "bus": "virtio"},
"name": "disk-teal-fowl-
40"          }    ], "interfaces" : [      {      "macAddress": "02:de:9c:00:
00:32",          "masquerade":    {},          "model": "virtio",
"name": "default"          }          ], "machineType": "pc-q35-
rhel9.2.0", "hostName": "", "networks": [      {"name": "default", "pod":
{}    }], "memory": "2", "memoryType": "Gi", "volumes": [    {"dataVolume":
{  "name": "centos7-coffee-grasshopper-10"    }, "name": "rootdisk"  },
{"cloudInitNoCloud":    {      "userData": "#cloud-configuser:
centospassword:      qdmd-7utc-5wphchpasswd:      {      expire:
False    }"          }, "name": "cloudinitdisk"    },    {"dataVolume":
{      "name": "centos7-coffee-grasshopper-10-disk-teal-fowl-
40"          }, "name": "disk-teal-fowl-
40"          }], "volumeSnapshotStatus": [{"enabled":
false, "name": "rootdisk", "reason": "No  VolumeSnapshotClass:  Volume
snapshots are not configured for this StorageClass [nfs-client]
[rootdisk]"}, {"enabled":
false, "name": "cloudinitdisk", "reason": "Snapshot is not supported for
this      volumeSource      type      [cloudinitdisk]"}, {"enabled":
false, "name": "disk-teal-fowl-40", "reason": "No  VolumeSnapshotClass:
Volume snapshots are not configured for this StorageClass [nfs-client]
[disk-teal-fowl-40]"}], "isActive": null, "createdBy": "USER-703291E7-

```

```
54BE-410A-B604-3C692CD36268","createdDate":"2024-08-22T07:50:47.76","modifiedBy":"USER-703291E7-54BE-410A-B604-3C692CD36268"}]
```

#### Parameter Details:

Table 158 - getVirtualMachines

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------|----------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                              |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                   |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| namespaceuid   | String   | Y         | User needs to pass namespaceuid, then details of passed namespaceuid are returned.                                                                                                                                                                                                                                                                                                                                                     |

#### 4.15.7 getPersistentVolumeClaims

This method is used to return the list of Red Hat OpenShift Virtualization Persistent Volume Claims in MyCloud.

### Method Signature:

getPersistentVolumeClaims (controlId, async, callback, addIparam, null, namespaceuid)

Sample Response:

[illegible]

```
h070Jtg","cdi.kubevirt.io/storage.condition.running":"false","cdi.ku
bevirt.io/storage.condition.running.message":"Clone
Complete","cdi.kubevirt.io/storage.condition.running.reason":"Comple
ted","cdi.kubevirt.io/storage.condition.source.running":"true","cdi.
kubevirt.io/storage.condition.source.running.message":"Clone
Complete","cdi.kubevirt.io/storage.condition.source.running.reason":
"Completed","cdi.kubevirt.io/storage.contentType":"kubevirt","cdi.ku
bevirt.io/storage.extended.clone.token":"eyJhbGciOiJIUzI1NiJ9.eyJleH
AiOiJwMzg4MzMzMtksIm1hdCI6MTcyMzQzMzMxOSwiaXNzIjoiiY2RpLWRlcGxveW1lbn
QiLCJuYW1lIjoiiY2VudG9zNy0wMmFhNDVmYmNiYWQiLCJuYW1lc3BhY2UiOiJvcGVuc2
hpZnQtdmlydHVhbGl6YXRpb24tb3MtaW1hZ2VzIiwibmJmIjoixNzIzNDczMzE5LCJvcG
VyYXRpb24iOiJDbG9uZSIsInBhcnFtcyI6eyJ0YXJnZXROYW1lIjoiiY2VudG9zNy1jb2
ZmZWUtZ3Jhc3Nob3BwZXItMTAiLCJ0YXJnZXROYW1lc3BhY2UiOiJkZWZhdWx0IiwidW
lkIjoiiNmU1ZWElN2UtMzY2Yi00OWVjLWE4ZDktYmVmY2QyY2Q5MWY2In0sInJlc291cm
NlIjp7Imdyb3VwIjoiiIiwicmVzb3VyY2UiOiJwZXJzaXN0ZW50dm9sdW1lY2xhaW1zIi
widmVyc2lubiI6InYxIn19.veM1Jz-trzjINxv3uU_PlkFuJUHSj-
11aAkTmb5zx4YX5a9UOXM9iouai034ppGNUv8Smn6jokXDqJBnuRVmbuhT6BanKiKWAo
LIttNqkrfh33qEHf2hYdMptv_wyXI95BCrdXdp4LEZ5xBVcirgZ8I3jazdl_ING4dT9c
OfDN22nweh-
_12SjcnHME0c1lv0PH4aXCczCBv6n6tDFTFZmnIRRqZAt0IPYSyA9GA67ohaXz-
F8Nv_VOKb-
Zfwj0Kacq7mOqnFTrApWE70dMIMXk2_uwQRZ6gJ30PggRAudrAWf3cs5fXtHlMktIS11
cyNIsXZaRVyDXOWs_ET6lbiQ","cdi.kubevirt.io/storage.pod.phase":"Succe
eded","cdi.kubevirt.io/storage.pod.ready":"false","cdi.kubevirt.io/s
torage.pod.restarts":"0","cdi.kubevirt.io/storage.preallocation.requ
ested":"false","cdi.kubevirt.io/storage.sourceClonePodName":"6e5ea57
e-366b-49ec-a8d9-befcd2cd91f6-source-
pod","cdi.kubevirt.io/storage.uploadPodName":"cdi-upload-centos7-
coffee-grasshopper-
10","cdi.kubevirt.io/storage.usePopulator":"false","cdi.kubevirt.io/
uploadClientName":"openshift-virtualization-os-images/centos7-
02aa45fbcbad-default/centos7-coffee-grasshopper-
10","k8s.io/CloneOf":"true","k8s.io/CloneRequest":"openshift-
virtualization-os-images/centos7-
02aa45fbcbad","pv.kubernetes.io/bind-
completed":"yes","pv.kubernetes.io/bound-by-
controller":"yes","volume.beta.kubernetes.io/storage-
```

```

provisioner":"cluster.local/nfs-subdir-external-
provisioner","volume.kubernetes.io/storage-
provisioner":"cluster.local/nfs-subdir-external-
provisioner"},"status":"Bound","storage":"34087042032","storageType"
:"","storageClassName":"nfs-
client","volumeNode":"Filesystem","accessMode":null,"isActive":null,
"createdBy":"USER-703291E7-54BE-410A-B604-
3C692CD36268","createdDate":"2024-08-
22T07:50:47.777","modifiedBy":"USER-703291E7-54BE-410A-B604-
3C692CD36268"}]

```

#### Parameter Details:

Table 159 - getPersistentVolumeClaims

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                 |
|----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                   |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                        |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                     |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order: |

| Parameter Name | Type | Mandatory | Description                                                                                |
|----------------|------|-----------|--------------------------------------------------------------------------------------------|
|                |      |           | To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |

#### 4.15.8 getConfigMaps

This method is used to return the list of Red Hat OpenShift Virtualization Size based on ZONE.

Method Signature:

getConfigMaps (controlId, async, callback, addParam, null, namespaceuid)

Sample Response:

```
[{"entityId":"CONFIGMAPS-F566D22B-9913-483A-8D82-6E79B24E5CC6", "platformEntityId":"OCP-C5E26138-7E86-407C-8666-8909360ADB4D", "uid":"xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx", "name":"install-windows-configmap", "nameSpaceName":"default", "nameSpaceUid":"xxxxxx", "data":[{"KeyName":"clone-dv.yaml"}, {"KeyName":"clone-pvc.yaml"}, {"KeyName":"windows-install.yaml"}], "isActive":null, "createdBy":"USER-703291E7-54BE-410A-B604-3C692CD36268", "createdDate":"2024-08-22T07:50:50.043", "modifiedBy":"USER-703291E7-54BE-410A-B604-3C692CD36268"}]
```

Parameter Details:

Table 160 - getConfigMaps

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                          |
|----------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                            |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                              |

| Parameter Name | Type   | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|--------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| addlparam      | Object | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |
| namespaceuid   | String | Y         | User needs to pass namespaceuid, then details of passed namespaceuid are returned.                                                                                                                                                                                                                                                                                                                                                                        |

#### 4.15.9 getNetworkAttachments

This method is used to return the list of Red Hat OpenShift Virtualization Network Attachments in MyCloud.

Method Signature:

getNetworkAttachments (controlId, async, callback, addlparam, null, namespaceuid)

Sample Response:

```
[{"entityId":"NTWATTACH-31E09031-190A-4CB2-8207-DDD57674B684","platformEntityId":"OCP-C5E26138-7E86-407C-8666-8909360ADB4D","uid":"xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx","name":"net-80","nameSpaceName":"default","nameSpaceUid":"xxxxxx","config":"cnv-bridge","cniVersion":"0.3.1","bridge":"br1","vlan":"80","macspoofchk":"true","ipam":"","isActive":null,"createdBy":"USER-703291E7-54BE-410A-B604-3C692CD36268","createdDate":"2024-08-22T07:51:22.49","modifiedBy":"USER-703291E7-54BE-410A-B604-3C692CD36268"}]
```

Parameter Details:

Table 161 - getNetworkAttachments

| Parameter Name | Type   | Mandatory | Description                             |
|----------------|--------|-----------|-----------------------------------------|
| controlId      | String | N         | Id of 'Select' control to be populated. |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |          |           | If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                                                                                |
| async          | Boolean  | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p>                                                                                                                                           |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                       |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g.,<br/>filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |
| namespaceuid   | String   | Y         | User needs to pass namespaceuid, then details of passed namespaceuid are returned.                                                                                                                                                                                                                                                                                                                                                                            |

#### 4.15.10 getSecrets

This method is used to return the list of Red Hat OpenShift Virtualization secrets in MyCloud.

### Method Signature:

getSecrets (controlId, async, callback, addlparam, provisioningEndPointId, namespaceuid)

Sample Response:

```
{
  "entityId": "SECRETS-0276F110-9911-4C32-96E6-3374E28DF22C",
  "platformEntityId": "OCP-C5E26138-7E86-407C-8666-8909360ADB4D",
  "uid": "xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx",
  "name": "builder-dockercfg-g5fqx",
  "nameSpaceName": "default",
  "nameSpaceUid": "xxxxx",
  "data": {
    ".dockercfg": "eyJxOTIuMTY4LjI0Ni4xMDY6NTAwMCI6eyJlc2VybmFtZSI6InNlcnZpY2VhY2NvdW50IiwicGFzc3dvcmQiOiJleUpoYkdjaU9pSlNVekkxTmlJc0ltdHBaQ0k2SW5wMVJWU1Ria3g0UWtaek5qUmpTa0Z2WlhseFFWbElUMFp2VW5ReVZrb3pZVE5qVDJjeFwFcGxlbmNpZlEuZXlKcGMzTWlPaUpyZFdKbGNtNWxkr1Z6TDNOBGnuWnBZM1ZoWTJ0dmRXNTBJaXdpYTNaVpYSnVaWfJsY3k1cGJ5OXpaWEoyYVdObFlXTmpiM1Z1ZEM5dVlXMWxjM0JoWTJVaU9pSmtaVlpoZFd4MElpd2lhM1ZpWlhKdVpYUmxjeTVwYnk5elpYSjJhV05sWVdOamIzVnVkQz16WldOeVpYUXVibUZ0WlNjNk1tSjFhV3hrWlhJdGRHOXJaVzR0WTJKeWFib2lmQ0pyZFdKbGNtNWxkr1Z6TG1sdkwzTmxjb1pwWTJWafkyTnZkVzUwTDNOBGnuWnBZM1V0WVdOamIzVnVkQzV1WVcxblqb2lZblZwYkdSbGNpSXNjbXQxWW1WeWJtVjBaWE11YVc4dmMyVnlkbWxqWldGalkeyOTFib1F2YzJWeWRtbGpaUzFoWTJ0dmRXNTBMblZwWkNjNk1qTmpOell4TW1RMkxUbGhPRFV0TkRfMk55MDVPRGt6TFdFMk1HVTRPRFUxWldFeVppSXNjbk4xWW1JNklutJvJm1JsY1RwelpYSjJhV05sWVdOamIzVnVkRHBrWldaaGRXeDBPbUoxYVd4a1pYSWlmUS5COGJHeENISEExSnN6a3REY2ZpcmJHwXdQY1UwSUFkOHZnblBTZWlnN1RVc2pBeFEtXzZlM0pGM3kwaWhucVZ0ZWVYRW1zS1RRXzh4NUtBbzdjNFZuUzBDLThycHFrRUs4LWdEV21LcWpxRmZvUnVZMmF2RGFqSks2TU9LSGplWTFwbV3Tz1ObHRSTlh3SE5hUGdzOUJRNkdQc2Z1YzhRSzVSb21RbnNMZ053WWZzZ3hQcXprSmlUbEh6cTdGd1lNSUlnV0NBWQtbWZPeDViOS13b3NtUEJMZmR1VXhwbNNSREdrWS1MatBxekN3WjFyUC1oVv9IUdF6RlRDVGvYRkJPAGhCeWthdEhid2k2a20weHRMZfVhbUM2NFV4QVdYdE5kcWI0VmZKalp6Rl1RRkd6VUFpZmlHcUJIQmVyZmU4bnVLekxnNklsSXcyUEhKZ18yM201Q0c4Q1NhVHhCc0hQZlQtaWdPMnhMSTM5amgwOVZUam1nVG10dWJhOGNzZ3p5WmYyWnF2Tj1TN29uanB1WFhEa0Z3NVlaa3F4QU9tQ0s0U2RfM114cHF5S0JhMkNBdlVxeTNwRW81ZnNXWjBSc1BMR1VPSTYwUHAwSzE5TmZJenkyN2lfZ29rWU1EN0x6cmx4M211bzBoZ1pwUHZBMG5BODdGSkrKWDRjYUstX3N2eGwyLTRSb2V4bk1qYi1CMWVJZ0dWU05oN1NqV2R1TU1wMTJ1TTFEVGtCX2l0U0E1bWpmTFdDVWVWdklsak9FQVFPN2kzWnM4V0VrUjNPOUE0Q1I0NUU5WHRzeHotTm1ya2pGeGw1MVo5YVVDN29FVUF1T2psRGVnc0ZBS21KYUdUamY1OEJyTlZiMnZSY0dHY29fUmRlcHB1S2F0WjBXZnlwdjRQVSIsImVtYWlsIjoic2VydmljZWZjY291bnRAZXhhbXBsZS5vcmcicLCjhdXR0IjoieYzJWeWRtbGpaV0ZqWTI5Mw"
  }
}
```

JuUTZaWGxLYUdKSfkybFBhVXBuVlhwSk1VNxBTWE5KYlhSdldrTkPoA2x1Y0RGU1ZsSl  
VZbXQ0TkZGclducE9hbEpxVTJ0R2RscFlisGhSVm14SlZEQmFkbFZ1VVhsV2EyOTZXV1  
JPYwXReVkaFJWbkJzWlclamFXWlJMbVY1U25Cak0wMXBUMmxLY21SWFNteGpiVFZzWk  
Vkv2Vrd3pUbXhqYmxwd1dUSldhRmt5VG5aa1Z6VXdTV2wzYVdFelZtbGFXRXAxV2xoU2  
JHTjVOWEJpZVRsNldsaeTnbUZyVG14WlYwNXFzak5XZFdsRE9YVlpWekZzWXpOQ2FGa3  
1WV2xQYVVwcldsZGFhR1JYZURCSmFYZHBZVE5XYVZwWVNvVmFXRkpzWTNrMWNHSjVPWH  
BhV0VveVlWZE9iRmxYVG1waU0xWjFaRU01ZWxwWFRubGFXRkYxWW0xR2RGcFRTVFpKYl  
VveFlWZDRhMXBZU1hSa1J6bHlXbGMwZEZrevNubGhTRzlwVEVOS2NtUlhTbXhqYlRWcl  
pFZFdla3h0YkhaTU0wNXNZMjVhY0ZrevZtaFpNazUyWkZjMU1Fd3pUbXhqYmxwd1dUSl  
ZkRmxYVG1waU0xWjFaRU0xZFZsWE1XeEphbTlwV1c1V2NHSkhVbXhqYVVselNXMTBNVm  
x0Vm5saWJWWXdXbGhOZFdgWE9IWmpNbFo1Wkcxc2FscFhSbXBatWpreFltNVJkbU15Vm  
5sa2JXeHFXbE14YUZrevRuWmtWelV3VEc1V2NGcERTVFpKYWs1cVRucFplRTF0VVRKTV  
ZHeG9UMFJWZEU1RVJUSk9lVEExVDBScmVreFhSVEpOUjFVMFQwU1ZNVnBYUlhsYWFVbH  
pTVzVPTVZscFNUWkpiazQxWXpOU2JHS1VjSHBhV0VveVlWZE9iRmxYVG1waU0xWjFaRV  
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hiR3hDSEhBMUpzemt0RGnmaXJiR1l3UGNVMElBZDh2Z25QU2VpZzdUVXNqQXhRLV82ZT  
NKRjN5MGlobnFwdGVlWEVtc0tUUV84eDVLQW83YzRWblMwQy04cnBxa0VLOC1nRFdtS3  
FqcUZmb1JlWWZhdkRhakpLNk1PS0hqZVxcG1ZN085Tmx0Uk5Yd0hOYVBnczlCUTZHUH  
NmdWM4UUs1Um9tUW5zTGdOd1lmc2d4UHF6a0ppVGxIenE3RndZTU1NZ1dDQVfkLW1mT3  
g1YjktD29zbVBCTGZkdVV4cG5zUkRHa1ktTGkwXpDcVoxclAtaFvfSFAxekZUQ1Rlck  
ZCT2hoQnlrYXRIYndpNmttMHh0TGRVYW1DNjRveEFXWHROZHFfiNFZmSmpaekZZUUZHel  
VBT2ZpR3FCSEJlcmZlOG51S3pMZzZJbEl3MlBISmZfMjNtNUNHOENTYVR4QnNIUGZULW  
lnTzJ4TEkzOWpoMDlWVGptZlRpdHViYThjc2d6eVpmMlpxdk45UzdvbmpwdVhYRGtGdz  
VZWmtxeEFPbUNLNFNkXzNZehBxbEtCYTJDQXZVcXkzcEVvNWZzVlowUnJQTEdVT0k2MF  
BwMESxOU5mSXP5MjdpX2dva1lNRDdMenJseDntdW8waGZaVlB2QTBuQTg3RkpESlg0Y2  
FLLV9zdnhsMi00Um9leG5JamItQjFlSWdHVlNOaDdTaldkdU1NcDEydU0xRFRrQl9pdF  
NBNWlqZkxXQ1VlVnZJbGpPRUFRTZdpMlpzOFdFa1IzTzlBNENSNDVFOVh0c3h6LU5tcm  
tqRnhsNTFaOWFVQzdVrVVBdU9qbERlZ3NGQUttSmFHVGPmNThCck5WYjJ2UmNHR2NvXl  
JkZXBwZUthdFowV2Z5cHY0UFUiLCJlbWFpbCI6InNlcnZpY2VhY2NvdW50QGV4YW1wbG  
Uub3JnIiwiYXV0aCI6ImMyVnlkbWxqWldGalkyOTFib1E2WlhsS2FHSkhZMmxQYVVwVF  
ZYcEpNVTVwUlhOSmJYUndXa05KTmtdWNERlNWbEpVWW10NE5GRnJXbnBPYwXKcVUYdE  
dkbHBZYkhoUlZteEpWREJhZGxWdVYybfDhMjk2V1ZST2FsUXlZM2hSvm5Cc1pXNWphV1  
pSTG1WNVNuQmpNMDfWVDJsS2NtUlhbTbXhqYlRWc1pFZFdla3d6VG14amJscHdXVEpXYU  
ZreVRuWmtWelV3U1dsM2FXRXpWbWxhV0VwMVdsafNiR041TlhCaWVUBDZXbGhLTW1GWF

```
RteFpWMDVxWWpOV2RXUkRPWFZaVnpGc1l6TkNhRmt5VldsUGFVcHJXbGRhYUdSWGVEQk
phWGRwWVROV2FWcFlTb1ZhV0ZKc1kzazFjR0o1T1hwYVdFb3lZVmRPykZsWFRtcG1NMV
oxWkVNNWVscFhUbmXhV0ZGMVltMudkRnBUU1RaSmJVb3hZVmQ0YTFwWVNYUmtSemx5V2
xjMGRGa3lTbmXoU0c5cFRFTktjbVJYU2l4amJUvNnNaRWRXZWt4dGJIWk1NMDVzWTI1YW
NGa3lWbWhaTWs1MlpGYzFNRXd6VG14amJscHdXVEpWZEZsWFRtcG1NMVoxWkVNMWRWbF
hNV3hKYW05cFdXNVdjR0pIVW14amFVbHpTVzEwTVZsdFZubGliVl13V2xoTmRXRlhPSF
pqTWxanVpHMXNhHbYUmlwWk1qa3hZbTVSZG1NeVZubGtiV3hxV2xNeGFGa3lUblprVn
pVd1RHNvdjRnBEU1RaSmFrNXFUbNbaZUUXdFVUSk1WR3hvVDBSVmRFNUVSVEpPZVRBMV
QwUnJla3hYU1RKTlIxVTBUMFJWTvZwWFJYbGFhVWx6U1c1T01WbHBTvFpKYms0MV16Tl
NiR0pVY0hwYVdFb3lZVmRPykZsWFRtcG1NMVoxWkVSD2ExcFhXbWVhRvJnnd1QyMUtNV0
ZYZUd0YVdFbHBabEV1UWpoaViZaERTRWhCTVvWemVtdDBSR05tYVhKaViXbDNVR05WTU
VsQlpEadJaMjVRVTJWcFp6ZfVWWE5xUVhoUkxWODJaVE5LUmpONU1HbG9ibkZXZEdWbF
dFVnRjMHRVVVY4NGVEVxRVZgzWXpSV2JsTXdReTA0Y25CeGEwVxPQzFuUkZkdFMzRn
FjVVPtYjFKMvdXWmhka1JoYWtwTE5rMVBtMGhXWlZreGNHMPOMDg1VG14MFVrNV1kMG
hPWVZCbMn6bENVVFpIVUhObWRXTTRVVMxVW05dFVXNXpUR2RPZDFsbWMyZDRVSEY2YT
BwcFZHeE11bkUzUm5kwlRVbE5aMWREUVZGa0xMW1UM2cxWWprdgQyOXpiVkJDVEdaa2
RWVjRjRzV6VWtSSGExa3RUR2t3Y1hwRGNWb3hjbEF0YUZWZlNGQXhla1pVUTFSbGNrWk
NUMmhvUW5sc1lYUklZbmRwTm10dE1IaDBUR1JWVWcxRE5qUlZlRUZYV0hST1pIRmlORl
ptU2lwyWVrWlpVVPpIZWxWQlQyWnBSM0ZDU0VKbGntWmxPRzUxUzNwTVp6WkpiRWwzTW
xCSVNtWmZNak50TlVOSE9FTlRZVlI0UW5OSVHwVlVMV2xuVHpKNFRFa3pPV3BvTURsVl
ZHcHRAmVJwZehWav1UaGpjMmQ2ZVZwbU1scHhkazQ1VXpkdmJtcHdkVmhzUkd0R2R6Vl
pXbXR4ZUVGUGJVTkxORk5rWHpOWmVIQnhiRXRDWVRKRFFYw1ZjWgt6Y0VWdk5XWnpWMW
93VW5KUVRFZfZUMGsyTUZCd01Fc3hPVTvtU1hwNU1qZHBYYmR2YTFsTlJEZE11bkpzZU
ROdGRXOHdhR1phVmxCm1FUQnVRVGczUmtwRVNsZzBZMkZMTFY5emRuaHNNaTawVW05bG
VHNUphbU10UWpGbFNXZEhWbE5PYURkVGFsZGtKVTF0Y0RFeWRVMHhSR1JyUWw5cGRGTk
JOVzFwWmt4WFEwVmXWblpKYkdwUFJVR1JUemRwTTFwek9GZEZhMU16VHpsQk5FTlNORF
ZGT1ZoMGMzaDZMVTv0Y210cVJuaHNOVEZhT1dGVlF6ZHZSVlZCZFU5cWJFUmxaM05HUV
V0dFntRkhWR3BtTlRoQ2NrNVdZakoyVW10SFiyTnZYMUpRWlhCd1pVdGhkRm93VjJaNW
NIWTBVRlU9In19}","type":"kubernetes.io/dockercfg","isActive":null,"c
reatedBy":"USER-703291E7-54BE-410A-B604-
3C692CD36268","createdDate":"2024-08-
22T07:50:50.137","modifiedBy":"USER-703291E7-54BE-410A-B604-
3C692CD36268"}]
```

#### Parameter Details:

Table 162 - getSecrets

| Parameter Name | Type   | Mandatory | Description                             |
|----------------|--------|-----------|-----------------------------------------|
| controlId      | String | N         | Id of 'Select' control to be populated. |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |          |           | If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                                                                                |
| async          | Boolean  | N         | <p>In case it's False:</p> <p>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete</p> <p>In case it's True:</p> <p>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.</p>                                                                                                                                           |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                                       |
| addlparam      | Object   | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g.,<br/>filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |
| namespaceuid   | String   | Y         | User has to pass namespaceuid, then details of passed namespaceuid are returned.                                                                                                                                                                                                                                                                                                                                                                              |

#### 4.15.11 getTemplates

This method is used to return the list of Templates in MyCloud.

Method Signature:

getTemplates (controlId, async, callback, addParam, null, namespaceuid)

Sample Response:

```
[{"entityID":"TEMP-AE57BE1D-40BA-492E-84DA-134310FF0D43","platformEntityID":"OCP-C5E26138-7E86-407C-8666-8909360ADB4D","uid":"xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx","name":"example","nameSpaceName":"default","nameSpaceUid":"xxxxx","labels":{"os.template.kubevirt.io/fedora":"true","template.kubevirt.io/type":"vm","workload.template.kubevirt.io/server":"true"},"annotations":{"description":"VM template example","iconClass":"icon-fedora","name.os.template.kubevirt.io/fedora":"Fedora","openshift.io/display-name":"Fedora VM"},"flavour":"small","os":"fedora","workload":"server","volumes":[{"name":"rootdisk","containerDisk":{"image":"registry.redhat.io/container-native-virtualization/virtio-win-rhel9@sha256:077e155806a3541ef2d6c0ea3bf87bc7491a51cb1197be4991cf0da13eadeFab"}},{ "cloudInitNoCloud": {"userData":"#cloud-config\nuser: fedora\npassword: \\'${CLOUD_USER_PASSWORD}\\'\nchpasswd: { expire: False }"}}, {"name":"cloudinitdisk"}, {"name":"disk-tomato-chameleon-80","persistentVolumeClaim":{"claimName":"win2k22-purple-board-57"}}], "machineType":"q35","networkDetails":{"cloudInitNoCloud":{"userData":"#cloud-config\nuser: fedora\npassword: \\'${CLOUD_USER_PASSWORD}\\'\nchpasswd: { expire: False }"}}, {"name":"cloudinitdisk","nicDetails":[{"name":"default","pod":{"model":"virtio","masquerade":{}}]}], "dataVolumes":[],"isActive":"N","createdBy":"USER-703291E7-54BE-410A-B604-3C692CD36268","createdDate":"2024-08-22T07:02:18.24","modifiedBy":"USER-703291E7-54BE-410A-B604-3C692CD36268"}]
```

Parameter Details:

Table 163 - getTemplates

| Parameter Name | Type   | Mandatory | Description                             |
|----------------|--------|-----------|-----------------------------------------|
| controlId      | String | N         | Id of 'Select' control to be populated. |

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|----------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |          |           | If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                                                                            |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                   |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| namespaceuid   | String   | Y         | User has to pass namespaceuid, then details of passed namespaceuid are returned.                                                                                                                                                                                                                                                                                                                                                          |

#### 4.15.12 getImageStreams

This method is used to return the list of Image Streams of Red Hat OpenShift Container Platform in MyCloud.

Method Signature:

getImageStreams (controlId, async, callback, addlparam, provisioningEndPointId, namespaceuid)

Sample Response:

```
[{"resourceVersion":"239991245","generation":"1","labels":{"app":"voting-app"},"spec":{"lookupPolicy":{"local":false}},"dockerImageRepository":"image-registry.openshift-image-registry.svc:5000/voting-
```

```
app/result", "publicDockerImageRepository": "default-route-openshift-
image-registry.apps.openshift.dryicelabs.com/voting-
app/result", "tags": [{"tag": "latest", "items": [{"created": "2024-10-
18T12:11:38Z", "dockerImageReference": "image-registry.openshift-
image-registry.svc:5000/voting-
app/result@sha256:246fc050fe843bb3eb296db720d40b7b0c6808113a449bfa7d
2b496b5aafaf3c", "image": "sha256:246fc050fe843bb3eb296db720d40b7b0c68
08113a449bfa7d2b496b5aafaf3c", "generation": 1}]]], "entityId": "IMGSTRE
AM-9114E7CF-C029-4F52-9EF3-B61F288E15BA", "platformEntityId": "OCP-
CD351169-215D-44A6-9584-
37DAAFE7A2A0", "uid": "xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx", "name": "re
sult", "nameSpaceName": "voting-
app", "nameSpaceUid": "xxxxx", "createdBy": "USER-E500C5C5-0F49-45EB-
8297-7418F9C82E3F", "createdDate": "2024-11-
12T13:00:14.843", "modifiedBy": "USER-E500C5C5-0F49-45EB-8297-
7418F9C82E3F"}]
```

#### Parameter Details:

Table 164 – getImageStreams

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                      |
|----------------|----------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                        |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                          |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br>To Filter:                                                                                                                                                                         |

| Parameter Name         | Type   | Mandatory | Description                                                                                                                                                                                                                                                                                                           |
|------------------------|--------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        |        |           | <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |
| provisioningEndPointId | string | N         | User can provide provisioningEndPointId.                                                                                                                                                                                                                                                                              |
| namespaceuid           | String | Y         | User has to pass namespaceuid, then details of passed namespaceuid are returned.                                                                                                                                                                                                                                      |

#### 4.15.13 getPods

This method is used to return the list of Pods in MyCloud.

Method Signature:

getPods(controlId, async, callback, addlparam, provisioningEndPointId, namespaceuid)

Sample Response:

```
[{"generateName":"","resourceVersion":"434655837","annotations":{"k8s.ovn.org/pod-networks":{"\\\\"default\\\\"":{"\\\\"ip_addresses\\\\"":["\\\\"xxx.xx.x.xx\\\\""],\\"mac_address\\\\":\\\\"xxx.xx.x.xx\\\\"","gateway_ips\\\\"":["\\\\"xxx.xx.x.xx\\\\""],\\"routes\\\\"":[{"\\\\"dest\\\\":\\\\"xxx.xx.x.xx\\\\"","\\\\"nextHop\\\\":\\\\"xxx.xx.x.xx\\\\""},{"\\\\"dest\\\\":\\\\"xxx.xx.x.xx\\\\"","\\\\"nextHop\\\\":\\\\"xxx.xx.x.xx\\\\""},{"\\\\"dest\\\\":\\\\"xxx.xx.x.xx\\\\"","\\\\"nextHop\\\\":\\\\"xxx.xx.x.xx\\\\""}],\\"ip_address\\\\":\\\\"xxx.xx.x.xx\\\\"","gateway_ip\\\\":\\\\"xxx.xx.x.xx\\\\"}}},"k8s.v1.cni.cncf.io/network-status":{"{\\\\"n\\\\"\\\\"name\\\\"":\\\\"ovn-kubernetes\\\\"","\\\\"interface\\\\"":\\\\"eth0\\\\"","\\\\"ips\\\\"":["\\\\"xxx.xx.x.xx\\\\""],\\"mac\\\\":\\\\"xxx.xx.x.xx\\\\"","\\\\"default\\\\"":true,"\\\\"dns\\\\"":{"{\\\\"n\\\\"}}},"openshift.io/scc":"anyuid"},"ownerReferences":"","volumes":[{"name":"kube-api-access-cs8nk","projected":{"sources":[{"serviceAccountToken":{"expirationSeconds":3607,"path":"token"}],"configMap":{"name":"kube-root-ca.crt","items":[{"key":"ca.crt","path":"ca.crt"}]}},"downwardAPI":
```

```
{
  "items": [
    {
      "path": "namespace",
      "fieldRef": {
        "apiVersion": "v1",
        "fieldPath": "metadata.namespace"
      }
    }
  ],
  "configMap": {
    "name": "openshift-service-ca.crt",
    "items": [
      {
        "key": "service-ca.crt",
        "path": "service-ca.crt"
      }
    ]
  },
  "defaultMode": 420,
  "containers": [
    {
      "name": "example-container",
      "image": "nginx:latest",
      "ports": [
        {
          "containerPort": 80,
          "protocol": "TCP"
        }
      ],
      "resources": {},
      "volumeMounts": [
        {
          "name": "kube-api-access-3s8nk",
          "readOnly": true,
          "mountPath": "/var/run/secrets/kubernetes.io/serviceaccount",
          "terminationMessagePath": "/dev/termination-log",
          "terminationMessagePolicy": "File",
          "imagePullPolicy": "Always",
          "securityContext": {
            "capabilities": {
              "drop": ["MKNOD"]
            }
          },
          "restartPolicy": "Always",
          "dnsPolicy": "ClusterFirst",
          "serviceAccountName": "default",
          "serviceAccount": "default",
          "nodeName": "openshift.dryicelabs.com",
          "securityContext": {
            "seLinuxOptions": {
              "level": "s0:c31,c25"
            }
          },
          "imagePullSecrets": [
            {
              "name": "default-dockercfg-b8p9b"
            }
          ],
          "statusPhase": "Running",
          "statusConditions": [
            {
              "type": "Initialized",
              "status": "True",
              "lastProbeTime": null,
              "lastTransitionTime": "2024-10-23T09:55:49Z"
            },
            {
              "type": "Ready",
              "status": "True",
              "lastProbeTime": null,
              "lastTransitionTime": "2025-01-20T07:41:22Z"
            },
            {
              "type": "ContainersReady",
              "status": "True",
              "lastProbeTime": null,
              "lastTransitionTime": "2025-01-20T07:41:22Z"
            },
            {
              "type": "PodScheduled",
              "status": "True",
              "lastProbeTime": null,
              "lastTransitionTime": "2024-10-23T09:55:49Z"
            }
          ],
          "hostIP": "xxx.xx.x.xx",
          "podIP": "10.128.0.180",
          "podIPs": [
            {
              "ip": "10.128.0.180"
            }
          ],
          "entityId": "OCPPOD-ADCBE907-3094-42DB-807A-61E7CCFD043A",
          "platformEntityId": "OCP-CD351169-215D-44A6-9584-37DAAFE7A2A0",
          "uid": "xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx",
          "name": "example-pod",
          "namespaceName": "voting-app",
          "namespaceUid": "xxxxx",
          "createdBy": "USER-E500C5C5-0F49-45EB-8297-7418F9C82E3F",
          "createdDate": "2024-11-22T06:50:33.82",
          "modifiedBy": "USER-E500C5C5-0F49-45EB-8297-7418F9C82E3F"
        }
      ]
    }
  ]
}
```

#### Parameter Details:

Table 165 – getPods

| Parameter Name         | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------|----------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId              | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                             |
| async                  | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                      |
| callback               | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                               |
| addlparam              | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g.,<br>sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| provisioningEndPointId | string   | N         | User can provide provisioningEndPointId.                                                                                                                                                                                                                                                                                                                                                                                              |
| namespaceuid           | String   | N         | User has to pass namespaceuid, then details of passed namespaceuid are returned.                                                                                                                                                                                                                                                                                                                                                      |

#### 4.15.14 getDeployments

This method is used to return the list of Deployments in MyCloud.

Method Signature:

getDeployments (controlId, async, callback, addlparam, provisioningEndPointId, namespaceuid)

Sample Response:

```
[{"resourceVersion":"460632257","generation":"1","annotations":{"deployment.kubernetes.io/revision":"1","image.openshift.io/triggers":"["
```

```
{\\"from\\":{\\"kind\\":\\"ImageStreamTag\\",\\"name\\":\\"result:la
test\\",\\"namespace\\":\\"voting-
app\\"},\\"fieldPath\\":\\"spec.template.spec.containers[?(@.name==\\
\\\\\\"container\\\\\\\\\\")].image\\",\\"paused\\":\\"false\\"}]},"repl
ica":"1","selector":{"matchLabels":{"app":"mycdeployment3275"}}, "str
ategyType":"Recreate","maxUnavailable":"","maxSurge":"","observedGen
eration":1,"replicas":1,"updatedReplicas":1,"readyReplicas":null,"av
ailableReplicas":null,"entityId":"OCPDEPLOY-442EB31C-3EE2-4318-BAC3-
4C6AEF824005","platformEntityId":"OCP-CD351169-215D-44A6-9584-
37DAAFE7A2A0","uid":"xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx","name":"my
cdeployment3275","nameSpaceName":"voting-
app","nameSpaceUid":"xxxxx","createdBy":"USER-E500C5C5-0F49-45EB-
8297-7418F9C82E3F","createdDate":"2025-01-
30T08:06:06.973","modifiedBy":"USER-E500C5C5-0F49-45EB-8297-
7418F9C82E3F"}]
```

#### Parameter Details:

Table 166 – getDeployments

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                          |
|----------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                            |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                              |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"                                                                       |

| Parameter Name         | Type   | Mandatory | Description                                                                                                                                                                                                         |
|------------------------|--------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        |        |           | <p>To Sort By:</p> <p>To sort the data based on column name. e.g.,<br/>sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |
| provisioningEndPointId | string | N         | User can provide provisioningEndPointId.                                                                                                                                                                            |
| namespaceuid           | String | N         | User has to pass namespaceuid, then details of passed namespaceuid are returned.                                                                                                                                    |

#### 4.15.15 getBuildconfigs

This method is used to return the list of Buildconfigs in MyCloud.

Method Signature:

getBuildconfigs (controlId, async, callback, addParam, provisioningEndPointId, namespaceuid)

Sample Response:

```
[{"resourceVersion":"458594032","labels":"","triggers":"","runPolicy":
"Serial","source":{"type":"None","contextDir":"voting-
appvote"},"strategy":{"type":"Source","sourceStrategy":{"from":{"kin
d":"ImageStreamTag","name":"result:latest"},"env":[{"name":"Environm
ent","value":"Production"}, {"name":"POSTGRESQL_PASSWORD","valueFrom"
:{"secretKeyRef":{"name":"postgres-
secret","key":"POSTGRESQL_PASSWORD"}}}, {"name":"POSTGRESQL_USER","va
lueFrom":{"secretKeyRef":{"name":"postgres-
secret","key":"POSTGRESQL_USER"}}}, {"name":"POSTGRESQL_DATABASE","va
lueFrom":{"configMapKeyRef":{"name":"postgres-
config","key":"POSTGRESQL_DATABASE"}}}}]},"env":"","output":{"to":{"
kind":"ImageStreamTag","name":"result:latest"},"resources":{},"post
Commit":{},"nodeSelector":"","status":{"lastVersion":0},"entityId":"
OCPBCONFIG-DBFA3255-33C3-474B-B623-
520502817053","platformEntityId":"OCP-CD351169-215D-44A6-9584-
37DAAFE7A2A0","uid":"xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx", "name":"my
cbuildconfig49","nameSpaceName":"voting-
app","nameSpaceUid":"xxxxxxx","createdBy":"USER-E500C5C5-0F49-45EB-
8297-7418F9C82E3F","createdDate":"2025-01-
```

```
30T08:06:07.537", "modifiedBy": "USER-E500C5C5-0F49-45EB-8297-7418F9C82E3F"} ]
```

Parameter Details:

Table 167 – getBuildconfigs

| Parameter Name         | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------|----------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlld              | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                                                                                                              |
| async                  | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                                                                                                                   |
| callback               | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                                                                                                                |
| addlparam              | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order:<br>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| provisioningEndPointId | string   | N         | User can provide provisioningEndPointId.                                                                                                                                                                                                                                                                                                                                                                                               |
| namespaceuid           | String   | N         | User has to pass namespaceuid, then details of passed namespaceuid are returned.                                                                                                                                                                                                                                                                                                                                                       |

#### 4.15.16 getRoutes

This method is used to return the list of Routes in MyCloud.

**Method Signature:**

getRoutes (controlId, async, callback, addParam, provisioningEndPointId, namespaceuid)

**Sample Response:**

```
[{"resourceVersion":"462530304","annotations":{"openshift.io/host.generated":"true"},"labels":{"app":"httpd"},"specHost":"mycnewroute17-default.apps.openshift.dryicelabs.com","specToName":"mycnewroute17","specToKind":"Service","specToWeight":100,"specPort":{"targetPort":8080},"statusIngressHost":"mycnewroute17-default.apps.openshift.dryicelabs.com","statusIngressRouterName":"default","statusIngressContainers":[{"type":"Admitted","status":"True","lastTransitionTime":"2025-01-31T07:30:27Z"}],"entityId":"OCROUTE-C702CD16-86BA-47DE-9007-837E3E797C2C","platformEntityId":"OCP-CD351169-215D-44A6-9584-37DAAFE7A2A0","uid":"xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx","name":"mycnewroute17","nameSpaceName":"default","nameSpaceUid":"xxxxxxx","createdBy":"USER-E500C5C5-0F49-45EB-8297-7418F9C82E3F","createdDate":"2025-01-31T08:06:07.513","modifiedBy":"USER-E500C5C5-0F49-45EB-8297-7418F9C82E3F"}]
```

**Parameter Details:**

Table 168 – getRoutes

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                          |
|----------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                            |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement. |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                              |

| Parameter Name         | Type   | Mandatory | Description                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------|--------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| addlparam              | Object | N         | <p>Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.</p> <p>To Filter:</p> <p>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"</p> <p>To Sort By:</p> <p>To sort the data based on column name. e.g., sortby="keyname"</p> <p>To Sort Order:</p> <p>To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"</p> |
| provisioningEndPointId | string | N         | User can provide provisioningEndPointId.                                                                                                                                                                                                                                                                                                                                                                                                                  |
| namespaceuid           | String | N         | User has to pass namespaceuid, then details of passed namespaceuid are returned.                                                                                                                                                                                                                                                                                                                                                                          |

#### 4.15.17 getServices

This method is used to return the list of Services in MyCloud.

Method Signature:

getServices (controlId, async, callback, addlparam, provisioningEndPointId, namespaceuid)

Sample Response:

```
[{"resourceVersion":"208500398","annotations":{"cdi.kubevirt.io/storage.createdByUploadController":"yes"},"labels":{"app":"containerized-data-importer","app.kubernetes.io/component":"storage","app.kubernetes.io/managed-by":"cdi-controller","app.kubernetes.io/part-of":"hyperconverged-cluster","app.kubernetes.io/version":"4.15.6","cdi.kubevirt.io":"cdi-upload-server"},"ports":[{"protocol":"TCP","port":443,"targetPort":8443}], "selector":{"service":"cdi-upload-prime-5609dc39-cc82-4ee0-92d0-5b12230ee96a"},"clusterIP":"192.168.229.144","clusterIPs":["xxx.xx.x.xx"],"type":"ClusterIP","sessionAffinity":null,"ipFamilies":["IPv4"],"ipFamilyPolicy":"SingleStack","internalTrafficPolicy":"Cluster","status":{"loadBalancer":{}},"entityId":"OCPSERVICE-FD5A09EF-D8D2-
```

```
4AC6-AA8D-7C57443B098B","platformEntityId":"OCP-CD351169-215D-44A6-9584-37DAAFE7A2A0","uid":"xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx","name":"cdi-upload-prime-5609dc39-cc82-4ee0-92d0-5b12230ee96a","nameSpaceName":"default","nameSpaceUid":"xxxxxx","createdBy":"USER-E500C5C5-0F49-45EB-8297-7418F9C82E3F","createdDate":"2024-11-18T11:18:13.763","modifiedBy":"USER-E500C5C5-0F49-45EB-8297-7418F9C82E3F"}]
```

Parameter Details:

Table 169 – getService

| Parameter Name | Type     | Mandatory | Description                                                                                                                                                                                                                                                                                                                              |
|----------------|----------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| controlId      | String   | N         | Id of 'Select' control to be populated.<br>If Id Control of dynamic UI is passed, then control will be populated with values return from this function else "Result set" will be returned in JSON format.                                                                                                                                |
| async          | Boolean  | N         | In case it's False:<br>Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete<br><br>In case it's True:<br>Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.                                     |
| callback       | Function | N         | User can pass function name that can be executed on completion of Parent function call.                                                                                                                                                                                                                                                  |
| addlparam      | Object   | N         | Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder.<br><br>To Filter:<br>To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"<br><br>To Sort By:<br>To sort the data based on column name. e.g., sortby="keyname"<br><br>To Sort Order: |

| Parameter Name         | Type   | Mandatory | Description                                                                                |
|------------------------|--------|-----------|--------------------------------------------------------------------------------------------|
|                        |        |           | To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC" |
| provisioningEndPointId | string | N         | User can provide provisioningEndPointId.                                                   |
| namespaceuid           | String | N         | User has to pass namespaceuid, then details of passed namespaceuid are returned.           |

## 5 Manage Process Template

It is an orchestrator's task configuration module and is accessible to Provider user. The provider can configure tasks that are run by MyCloud orchestrator's engine. Cloud Orchestration enforces a workflow to automate tasks and enhances security with identity and access management policies. It can also unite disparate cloud deployments to work together for a given workload.

Whereas a process template is a series of sequential tasks that are carried out based on user-defined rules or conditions, to execute a business process. It is a collection of data, rules, and tasks that need to be completed to achieve a business outcome.

Before discussing this module in detail, a Provider needs to create the mechanism where MyCloud communicates with enterprise tools through APIs. To configure and manage it, Provider user needs to follow the below steps:

1. On the main menu bar, click Master and then click Manage ITSM Configuration.
2. Click Add Configuration.

**Manage ITSM Configuration**

View Configuration | **Add Configuration** | Import Configuration

**Tool Type \*** --Select-- **Organization \*** --Select-- **Configuration Name \*** Configuration Name

**Authentication Detail \***

**Authentication Type \*** --Select-- **Header Tags** Key: Value: **Content Type \*** --Select--

**Steps Detail \***

| Step Name | Step URL | Method Type | Content Type | Action |
|-----------|----------|-------------|--------------|--------|
| Step Name | Step URL | --Select--  | --Select--   |        |

Save

Figure 27 - Add Configuration

3. Select Tool Type.
4. Select Organization.
5. Enter Configuration Name.
6. Select Authentication Type. Based on selected Authentication Type, share the information.
7. Enter Header Tags.
8. Select Content Type.
9. In the Step Detail section, provide Step Name, Step URL, Method Type, and Content Type.
10. Click Save.

**Manage ITSM Configuration**

View Configuration   **Add Configuration**   Import Configuration

**Tool Type \*** SNOW   **Organization \*** HCLOrg   **Configuration Name \*** Config1

**Authentication Detail \***

**Authentication Type \*** OAuth2   **User Name \*** user   **Password \***

**OAuth URL \*** http://oauthURL   **Header Tags** Key:  Value:  +   **Content Type \*** application/json

**Steps Detail \***

| Step Name            | Step URL             | Method Type | Content Type     | Action |
|----------------------|----------------------|-------------|------------------|--------|
| <input type="text"/> | <input type="text"/> | --Select--  | --Select--       | +      |
| 1                    | http://oauthURL.com  | POST        | application/json |        |

**Save**

Figure 28 - Add Snow Configuration

Refer the below table to understand the fields mentioned in the above figure:

Table 170 - Configuration Field

| Fields              | Description                                                                               |
|---------------------|-------------------------------------------------------------------------------------------|
| Tool Type           | The name of ITSM tool                                                                     |
| Organization        | The organization that uses the ITSM tool                                                  |
| Configuration Name  | Name the configuration                                                                    |
| Authentication Type | Two types of authentications (BasicAuth and OAuth2) are available in MyCloud.             |
| Username            | User credentials which have access to ITSM endpoints                                      |
| Content Type        | What content type support the Authentication like "application/json", "Text" etc.         |
| Oauth URL           | If authentication type is "OAuth2" then Oauth URL is required to authenticate the user.   |
| Step Name           | Create step (s) for single tool configuration.                                            |
| Step URL            | Step URL to access API for mentioned in step.                                             |
| Method Type         | What method type support step URL like "PUT" or "POST"                                    |
| Content Type        | What content type support the step URL like "application/json", "Text" etc.               |
| Header Tags         | Header tags passed in header                                                              |
| Action              | Provider user to take actions like Edit and Delete against the listed ITSM configurations |

A success message box appears.

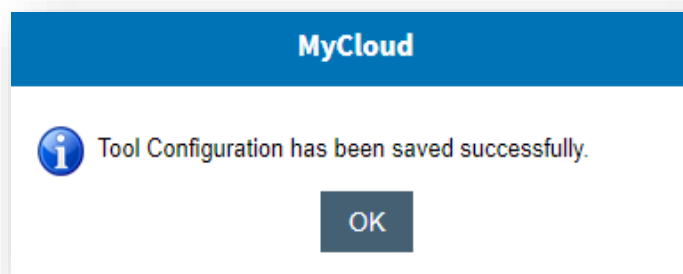


Figure 29 - Confirmation Message

11. Click OK.

The ITSM Configuration is added, and it appears in the View Configuration tab.

All the fields marked with asterisk (\*) are mandatory. For more details on View Configuration tab, refer DRYiCE MyCloud Configuration Guide.

Now, Provider user needs to follow the below sections to configure Process Templates.

## 5.1 Add Template

To create a Process Template, Provider User needs to follow the below steps:

1. On the Manage Process Template screen, click Add Template tab.

 A screenshot of the 'Manage Process Template' web interface. At the top, there is a title bar 'Manage Process Template' and a navigation bar with four tabs: 'Manage Template', 'Add Template' (which is highlighted), 'Import Process Template', and 'Design Process Template'. Below the tabs, there are three dropdown menus labeled 'Organization \*', 'Platform \*', and 'UI Template'. Each dropdown menu has a placeholder text '--Select--'. To the right of these dropdowns is a blue button labeled 'Go'.

Figure 30 - Add Manage Process Template

Refer the below table to understand the fields mentioned in the above figure:

Table 171 - Manage Process Template

| Fields               | Description                                                                                                      |
|----------------------|------------------------------------------------------------------------------------------------------------------|
| Organization         | Name of the organization (Business units/ divisions in organizations)                                            |
| Platform             | Name of the cloud service providers                                                                              |
| UI Template          | A template that is used to design the service request form in MyCloud. Select the UI template from the drop down |
| Template Name        | This is the name of the template as per the user                                                                 |
| Template Description | Describe the template and its purpose                                                                            |
| Add Template         | This is an option to add all the above information                                                               |

2. Select Organization and respective Platform.
3. Select UI Template.
4. Enter Template Name and Template Description.
5. Click Add Template.

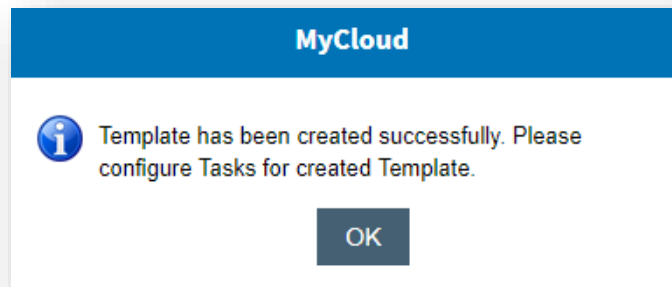


Figure 31 - Add Template Confirmation Template

6. Click OK. It populates a Task View form to create tasks that gets executed at the Orchestrator level.

#### 5.1.1 Task Type

Task type can be segmented into following types:

- Generic Task: These are out of box task provided by MyCloud which has predefined process to execute in orchestrator engine of MyCloud.
- Custom Task: These are the tasks where user can add PowerShell and Python scripts to execute tasks in orchestrator engine of MyCloud.
- Script Library Task: These are pre-defined library of reusable custom scripts. When user is defining process workflow using Script Library option he/she can add existing custom scripts from repository in workflow and in case if user wants to modify selected custom script, can do so by using Manage Task action (  ).

Figure 32 - Add Manage Process Template (Cont.)

Refer the below table to understand the fields mentioned in the above figure:

Table 172 - Add Manage Process Template

| Fields    | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Task Type | Provide the task type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Task      | <p>The field highlights the tasks that need to be added in the process template. If provider user selects generic task under task type, then MyCloud out of box tasks (like Clone, add disk etc.) are populated and if user selects Custom task in task type, then following tasks are populated:</p> <p>Call PowerShell script: Provider can write PowerShell scripts to execute task and map PowerShell variables from the Dynamic UI form values and can also use MyCloud predefined functions to execute the script.</p> <p>Call Python script: Provider can write Python scripts to execute task and map Python variables from the Dynamic UI form values and can also use MyCloud predefined functions to execute the script.</p> <p>Task Help icon (  ) shows all the task details like task code, task name, platform, description etc.</p> |
| Script    | This option enabled when task type is script library and user can add existing custom script(PowerShell and Python) from repository in workflow.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Task Name | It highlights the name of the task and use with ITSM tool for integration purpose. All the task details shown on hover of task name inside table help icon (  ) like short name, execution type etc.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

| Fields               | Description                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Short Name           | Provide a short name for the ease of usage                                                                                                                                                                                                                                                                                                                                                                                       |
| Task execution Type  | <p>Defines execution type of tasks. This can be auto or manual,</p> <p>Auto: Auto task execution type executed by orchestrator engine in MyCloud for submitted service requests</p> <p>Manual: Manual task execution will be executed by respective support team manually and update the status in ITSM tool. Simultaneously, ITSM tool will notify MyCloud and update the status of task.</p>                                   |
| Retry Count          | Number of times a task will be retried for execution upon getting failed.                                                                                                                                                                                                                                                                                                                                                        |
| Timeout (In Mins)    | Time limit before the task becomes inactive.                                                                                                                                                                                                                                                                                                                                                                                     |
| Review Task          | <p>In Process Workflow if user wants UI Templates columns to be reviewed before marking that task as completed, user can opt for Review Task option and Mark the columns to be reviewed. In Request Task Tracking Report user can validate the Pending Review task for the Request and perform appropriate action. Review Task -Yes (signifies user opts in for Review) Review Task -No (signifies user opts out for Review)</p> |
| Review Columns       | Define the list of columns from UI Template chosen to create Process Workflow. (Enable only when Review Task marked as Yes otherwise disable.                                                                                                                                                                                                                                                                                    |
| Async Task           | Using this task type we can configure task that need to be execute asynchronously. At the time of execution MyCloud triggers the task and save the acknowledgement no. once task is completed third party tool will invoke MyCloud api to close the task success/failure.                                                                                                                                                        |
| Failure Email To     | This field will be used to send "To" Email notification, in case of Task Failure. Please use comma (,) to add multiple emails in this fields.                                                                                                                                                                                                                                                                                    |
| Failure Email CC     | This field will be used to send "CC" Email notification, in case of Task Failure. Please use comma (,) to add multiple emails in this fields.                                                                                                                                                                                                                                                                                    |
| Failure Email BCC    | This field will be used to send "BCC" Email notification, in case of Task Failure. Please use comma (,) to add multiple emails in this fields.                                                                                                                                                                                                                                                                                   |
| Fail task on Timeout | this is to be used in case of timeout whether task needs to be marked as failed or not.                                                                                                                                                                                                                                                                                                                                          |
| Task Code            | It's a code in MyCloud that has been assigned to each of the task.                                                                                                                                                                                                                                                                                                                                                               |
| Notify success       | Notify to ITSM tool when the task has been executed successfully.                                                                                                                                                                                                                                                                                                                                                                |
| Notify Failure       | Notify to ITSM tool when the task has failed to execute.                                                                                                                                                                                                                                                                                                                                                                         |
| Move Group           | Helps to move up and move down the task with in the group.                                                                                                                                                                                                                                                                                                                                                                       |
| Group sequence       | Helps to set the sequence of a group.                                                                                                                                                                                                                                                                                                                                                                                            |
| MoveTask             | <p>Under MoveTask there are below options :</p> <p>MergeTask up into group above.</p> <p>MergeTask Down into the group below</p>                                                                                                                                                                                                                                                                                                 |
| Ungroup task         | <p>Under MoveTask there are below options:</p> <p>Ungroup and move task Up.</p>                                                                                                                                                                                                                                                                                                                                                  |

| Fields | Description                                                                                                                                                                                              |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|        | Ungroup and move task below                                                                                                                                                                              |
| Action | Empowers the Provider user to take actions like Edit, Filter, manage tasks, Copy Task ,if task is custom then there is option to add script from library and Delete against the listed Process templates |

7. Populate the above-mentioned fields.
8. Click Add Task.

| S.No. | Task Type | Task Code       | Task Name    | Notify Success           | Notify Failure           | Move Group | Group Sequence | Move Task | Action                                 |
|-------|-----------|-----------------|--------------|--------------------------|--------------------------|------------|----------------|-----------|----------------------------------------|
| 1     | Generic   | CLONE           | clone        | <input type="checkbox"/> | <input type="checkbox"/> | ↓          | 1              | ↕         | Filter, Edit, Delete, Copy             |
| 2     | Generic   | CHANGESTORAGE20 | Clone20      | <input type="checkbox"/> | <input type="checkbox"/> | ↕          | 2              | ↕         | Filter, Edit, Delete, Copy             |
| 3     | Generic   | SHUTDOWNVM      | ssssssssssss | <input type="checkbox"/> | <input type="checkbox"/> | ↕          | 3              | ↕         | Filter, Edit, Delete, Copy             |
| 4     | Custom    | POWERSHELL      | ss           | <input type="checkbox"/> | <input type="checkbox"/> | ↕          | 3              | ↕         | Filter, Edit, Delete, Copy, Add Script |

Figure 33 - Add Task

The new task has been added successfully and appears in the list of existing tasks.

#### 5.1.1.1 Manage Task

This section explains the process to customize the task type parameters of a task by selecting the relevant icon corresponding to the task that is to be customized.

##### 5.1.1.1.1 Generic Task

If provider user selects the task type as Generic.

1. Click on Manage Task () , a window pops up where Provider maps MyCloud's out of the box tasks.

Manage Generic Task [AWSKCLNodePool - AWSKNP]

Parameters mapping

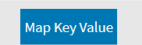
| Parameter Name | Parameter Description | Data Type     | Parameter Value     |
|----------------|-----------------------|---------------|---------------------|
| AWSSecretKey   | AWSSecretKey          | Sql Functions | @@fnGetAWSSecretKey |
| ClusterName    | ClusterName           | String        | btclusterName       |
| NodePools      | NodePools             | String        | hdnNodePool         |

Submit
Close

Figure 34 - Manage Generic Task

Refer the below table to understand the fields mentioned in the above figure:

Table 173 - Manage Generic Task

| Fields                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Parameter mapping     | This icon highlights the output parameters of current generic tasks.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Parameter Name        | These are predefined parameters to execute generic task within MyCloud                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Parameter Description | Parameter description contains all the information about the parameter.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Datatype              | <p>Type of data to map parameter Name except for e.g., string, xml SQL function etc.  icon shows the type of data that is required for corresponding parameters.</p> <p><a href="#">MyCloud Predefined SQL Function List</a> is a list of MyCloud predefined functions that are used for mapping sensitive data to parameter name that are not present in dynamic UI.</p> <p>e.g.,Azure subscription details etc.</p> <p>Below datatypes which provides parameters values which are not present in dynamic UI.</p> <p>For example:</p> <p>Static: To specify the fix hard coded parameter value to workflow task.</p> <p>Secret Key: It populates all the keys which is defined in secret manager screen and takes the value of key on workflow task execution. Secret key value displayed format is</p> <p>\$.ConfigurationName.KeyName</p> <p>Key value: it shows Map key value button (  ) option to add parameter values.</p> <p>On click of Map Key value below popup opens.</p> |

Key Value Mapping

Note: Data will be saved only after clicking on "Submit" button.

| RowNo | Key Name             | Data Type     | Key Value  | Action |
|-------|----------------------|---------------|------------|--------|
| 1     | <input type="text"/> | XML as String | --Select-- |        |

Submit

Close

1. Enter Key Name.
2. Select Data Type.
3. Select/Enter key value based on the Data Type.
4. Invoke the Action button ().
5. Click Submit.

Parameter value

Parameter Value contains all control fields of dynamic UI associated with a process template. Mainly, it contains 2 unique fields of MyCloud which are RequestDetailID and RequestmasterNo.

It is used in various APIs which MyCloud supports for e.g., GetVMname, Update CI etc. For SQL function datatype all MyCloud predefined SQL functions will populate to map parameter names.

2. Populate the fields and click Submit.

#### 5.1.1.1.2 Custom Task

If a provider user selects the task type as Custom

1. Click on () icon. A window pops up where provider user writes the PowerShell or Python Script to execute a task.

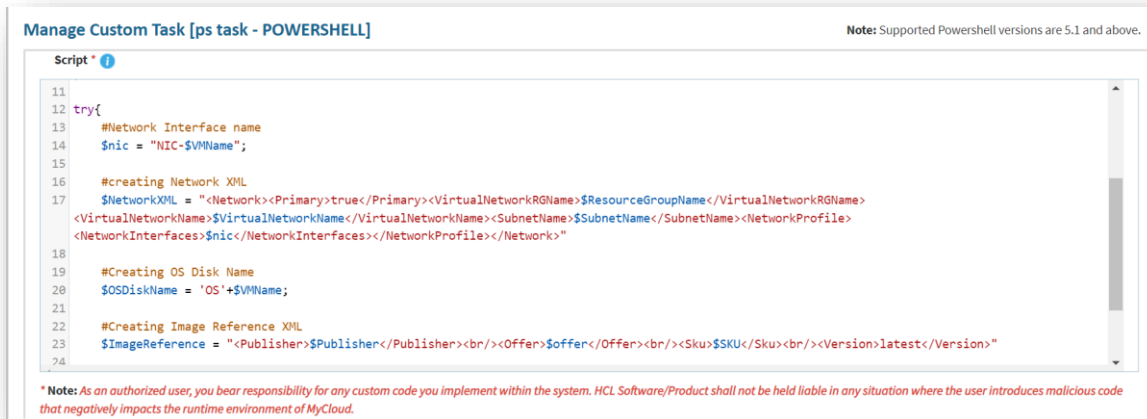


Figure 35 - Script Writing

2. With the help of (+) Provider user adds all the dynamic variables of PowerShell with dynamic UI control values and [MyCloud Predefined SQL Function List](#).

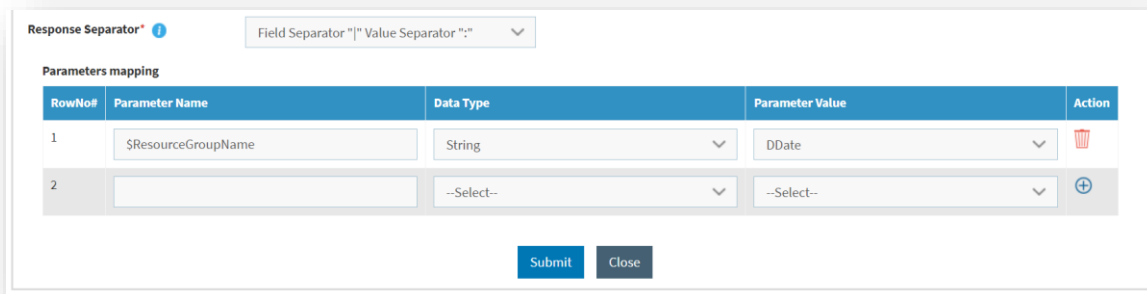


Figure 36 - Script Writing (Cont.)

3. Click Submit to save the details. Click Close to discard the changes.

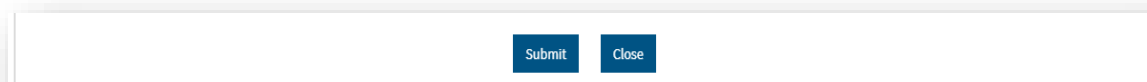


Figure 37 - Response Parameters Mapping

4. A success message box appears if you choose to discard the changes. Click Ok.



Figure 38- Confirmation Message

- On clicking Submit, the following screen appears. Click Save.

**Task View**

**Task Type \***  
--Select--

**Task \***  
--Select--

**Task Name \***

**Short Name \*** ⓘ

**Task Execution Type \***  
Auto

**Retry Count \***  
3

**Timeout(In Mins.) \***  
30

**Review Task**  
No

**Review Columns**  
--Select--

**Async Task**  
No

**Failure Email To** ⓘ

**Failure Email CC** ⓘ

**Failure Email BCC** ⓘ

**Fail task on Timeout**  
No

Add Task

| S.No. | Task Type | Task Code  | Task Name | Notify Success             | Notify Failure             | Move Group | Group Sequence | Move Task | Action |
|-------|-----------|------------|-----------|----------------------------|----------------------------|------------|----------------|-----------|--------|
| 1     | Custom    | POWERSHELL | Clone ⓘ   | <input type="checkbox"/> ⚙ | <input type="checkbox"/> ⚙ | ↓          | 1              | ↕         | ⚙      |

Save

Figure 39 - Task View

A confirmation message appears as below:

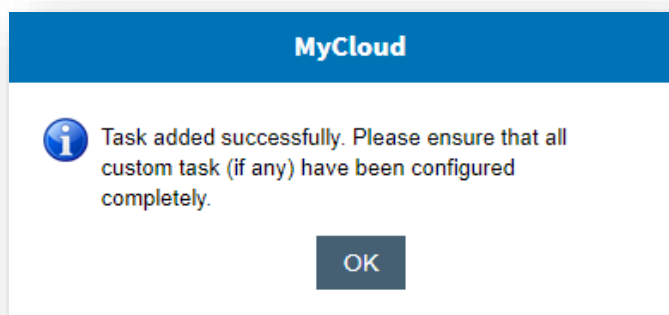


Figure 40 -Task Confirmation Message

- Click OK.

All the fields marked with asterisk (\*) are mandatory.

#### 5.1.1.1.3 Script library

When user is defines process workflow using Script Library option, he can add existing custom scripts from repository in workflow and in case if user wants to modify selected custom script from library, he can do so by using Manage Task (  ) action.

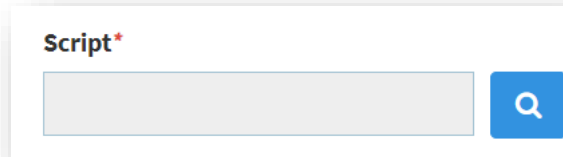


Figure 41 – Add Script from Library

1. Click the  icon. A popup appears listing the system libraries. Click Select option under the Action column to create a task of selected script.

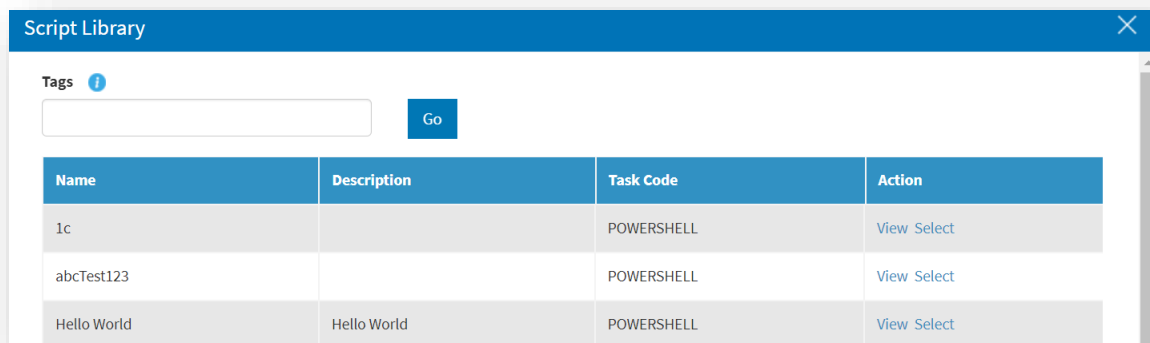
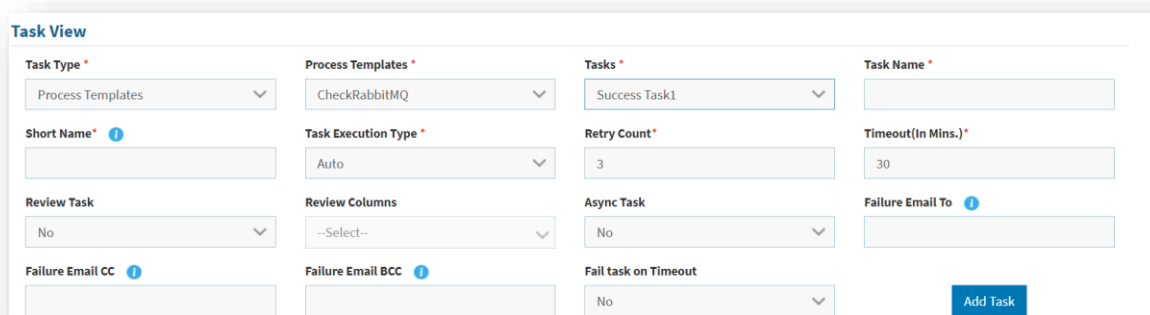


Figure 42 - Add Script from Library (Cont.)

#### 5.1.1.1.4 Process Templates

If a provider user selects the task type as Process templates, User can create/copy task from existing selected process and task.



|                                         |                                             |                                   |                                 |
|-----------------------------------------|---------------------------------------------|-----------------------------------|---------------------------------|
| <b>Task Type *</b><br>Process Templates | <b>Process Templates *</b><br>CheckRabbitMQ | <b>Tasks *</b><br>Success Task1   | <b>Task Name *</b><br>          |
| <b>Short Name *</b><br>                 | <b>Task Execution Type *</b><br>Auto        | <b>Retry Count *</b><br>3         | <b>Timeout(In Mins.)*</b><br>30 |
| <b>Review Task</b><br>No                | <b>Review Columns</b><br>--Select--         | <b>Async Task</b><br>No           | <b>Failure Email To</b><br>     |
| <b>Failure Email CC</b><br>             | <b>Failure Email BCC</b><br>                | <b>Fail task on Timeout</b><br>No | <b>Add Task</b>                 |

Figure 43 – Task View

#### 5.1.1.1.5 Notify Success

In case of integration with third party ITSM tools, you can configure success of each task to make it ITIL compliant integration process.

Notify Success function will help to notify the enterprise tool (e.g., itsm tool) about the success /failure of the task.

Notify success will notify ITSM tool that the task is successfully executed by MyCloud and can be closed by ITSM.

By selecting the checkbox, it will get executed on the successful completion of the task in orchestrator engine of MyCloud.

1. Click on the Notify Success icon (  ).
2. The following window pops up where a user can configure the request and response in JSON through which MyCloud notifies the ITSM tool regarding the completion of a specific task.

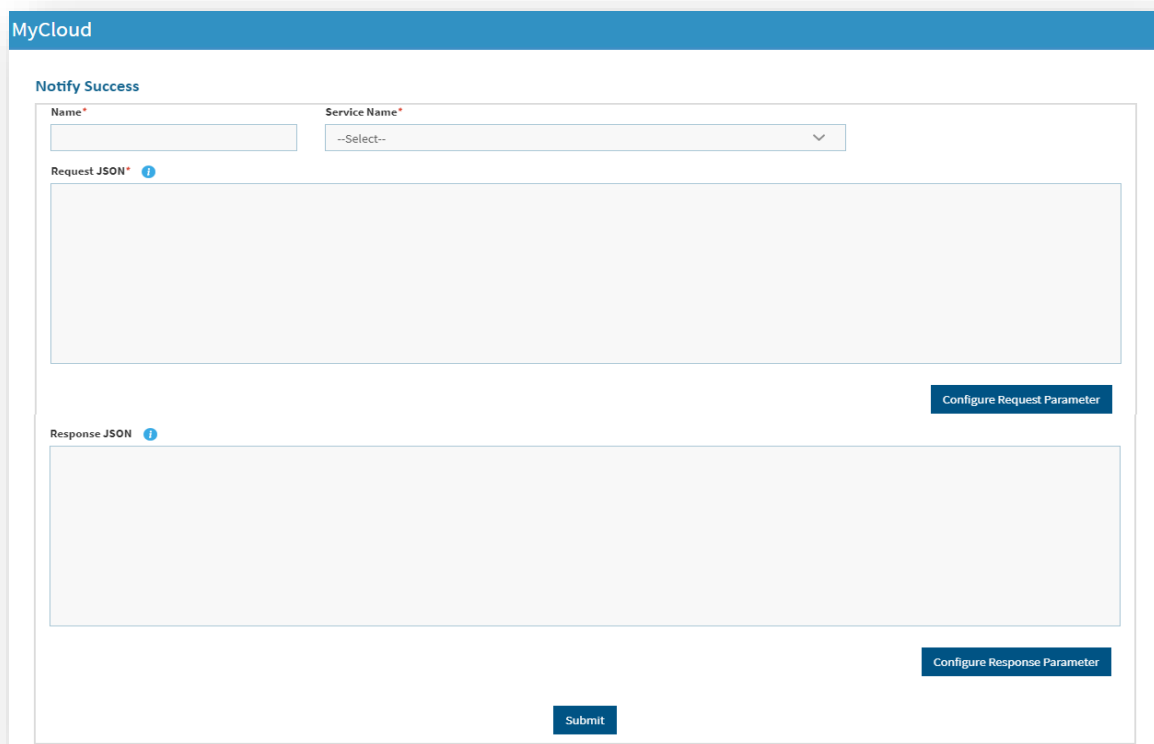


Figure 44 - Notify Success

3. Enter the Name of the configuration.
4. Select the Service Name from the drop-down.
5. The drop-down lists all the ITSM configuration end points.
6. Request JSON: Populate the field with a valid Request JSON.
7. It is a mandatory field and accepted by ITSM tool to close the task at its end. If it is a dynamic value (dynamic UI and captured by requester) then it needs to get communicated between MyCloud and ITSM tool. In such a case, request JSON values need to be mentioned with prefix "@".
8. Request JSON format example:

```
{  
  "Key1": "@Value1",  
}
```

```
"Key2": [{"k1": "@v1"}],
"Key3": {"k2": "@v2"},
"Key4": "@OperationRequestId"
}
```

9. After adding Valid Request JSON, click on Configure Request Parameter.
10. All dynamic parameters will get displayed under Request Parameter Mapping.

| Parameter Name            | DataType   | Parameter Value |
|---------------------------|------------|-----------------|
| @VALUE1                   | --Select-- | --Select--      |
| @V1                       | --Select-- | --Select--      |
| @V2                       | --Select-- | --Select--      |
| @OPERATIONREQUESTDETAILID | --Select-- | --Select--      |

Figure 45 - Dynamic Parameters

11. Configure the Parameter Values.
12. Response JSON: Populate the field with a valid Response JSON.
13. It is an optional parameter and provided by ITSM tool (JSON) to MyCloud. Through this MyCloud understands whether a task has been completed or not.
14. Example of Response JSON:

```
{
"Kye1": "@Value1",
"Key2": [{"k1": "@v1"}],
"Key3": {"k2": "@v2"}
}
```

15. Click on Configure Response Parameter.

| Parameter Name            | Data Type  | Parameter Value |
|---------------------------|------------|-----------------|
| @Value1                   | --Select-- | --Select--      |
| @v1                       | --Select-- | --Select--      |
| @v2                       | --Select-- | --Select--      |
| @OperationRequestDetailId | --Select-- | --Select--      |

Response JSON ⓘ

```
{
  "Key1": "@Value1",
  "Key2": [{"k1": "@v1"}],
  "Key3": [{"k2": "@v2"}],
  "Key4": "@OperationRequestDetailId"
}
```

Configure Response Parameter

Success Criteria

| Parameters | Response Type | Value |
|------------|---------------|-------|
| @Value1    | Static        |       |

Submit

Figure 46 - Configure Response Parameter

16. Clicking on Configure Response Parameter button displays the Success Criteria section and all the dynamic parameter prefix with "@" in response JSON display under Parameter Mapping.
17. Success Criteria: In this section, user defines in which parameter and corresponding value of MyCloud can mark task as completed from ITSM engine response.
18. Response Type: There are two types of response:
  - Static: In case of Static response, predefined key and its value for e.g., "Status" = "OK" of ITSM engine response will communicate to MyCloud to mark ITSM task (success/Failure) in MyCloud to close the task.
  - Dynamic: In case of Dynamic response, ITSM tool will use the incident number to communicate with MyCloud for marking the ITSM task as closed.
19. Value: Enter the Parameter Value.
20. Click Submit.

#### 5.1.1.1.6 Notify Failure

In case of integration with third party ITSM tools, configuring notification around "Failure of tasks" will make the integration process an ITIL compliant.

This option is being used for notifying the ITSM tools to act when a task fails in MyCloud.

1. By ticking the checkbox, ensures it will get executed on the failure of added tasks.

2. Clicking on icon (  ) results in a window that pops up where a user can add/ configure the process which will get executed in ITSM tool.
3. Please follow the similar steps as explained for Notify Success to configure Notify Failure.

#### 5.1.1.1.7 Task Filter

1. Click Filter (  ) to scale down the search for a task.

Figure 47 - Task Filter

2. Refer the below table to understand the fields mentioned in the above figure:

Table 174 - Task Filter

| Fields       | Description                                                                                                                                                                                                |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Table Name   | This task filter will work on table where Dynamic data are saved (RequestDetailExtended) in the form of keyName and key value                                                                              |
| Column Name  | User can apply filter on KeyName or KeyValue of selected table if we consider domain join example; like the KeyName will be "IsDomain Join" and KeyValue should be "yes" or "no" selected by the requester |
| Operator     | Apply operator on task filter like "Not In", "In", "CONTAINS", "EQUALS" etc.                                                                                                                               |
| Column Value | Provides the value of column name based on task filter. If we consider domain join example, then Column value will be "yes" or "no"                                                                        |
| Clause       | Helps to apply more than one condition "OR" and "AND" operators.                                                                                                                                           |

3. Configure the filter as per the task.
4. If filter is applied on any task, then filter icon gets changed as  to notify filter applied.

#### 5.1.1.1.8 Edit/Delete/Move a Task and Move Group

1. The following actions can be performed on a task:
2. Edit Task: You can edit the task fields like Task Name, Short task Name, Retry count and Timeout limits etc. by clicking on  icon.
3. Delete Task: You can delete a task from the existing list of tasks by clicking on  icon.
4. Move Task: You can set the sequence of a task as per the requirement by using  icon.

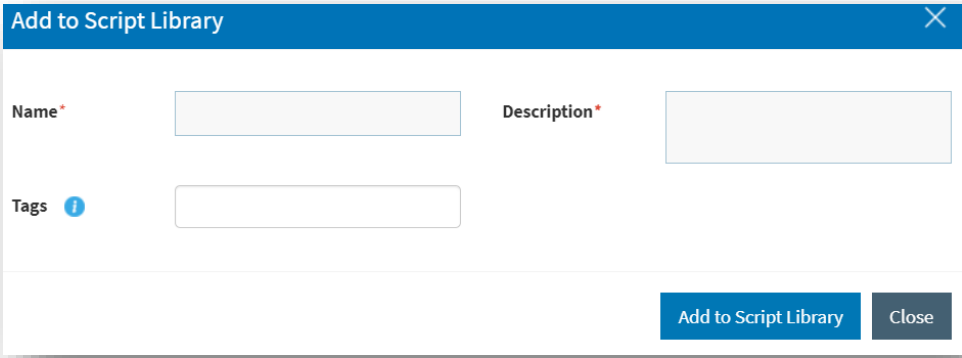
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5. Move Group: You can set the sequence of a Group as per the requirement using  icon. Same group task will execute parallel.
6. Ungroup task: You can ungroup task by using t  icon. User can Ungroup any task above or below the groups.
7. Once the Template is created, it appears in the Manage Template tab.

#### 5.1.1.1.9 Add to Script Library

1. To add Script Library, perform the following steps:
2. Click Add to Script Library (  ), a window pops up to add custom script to script library for reuse in another task/process workflow.



The dialog box titled "Add to Script Library" has a blue header bar with a close button (X) on the right. It contains three input fields: "Name\*" (required), "Description\*" (required), and "Tags" (with an information icon). At the bottom right, there are two buttons: "Add to Script Library" (blue) and "Close" (grey).

Figure 48 - Add to Script Library

3. Enter Name, Description and Tags.
4. Click Add to Script Library.
5. A success message box appears.

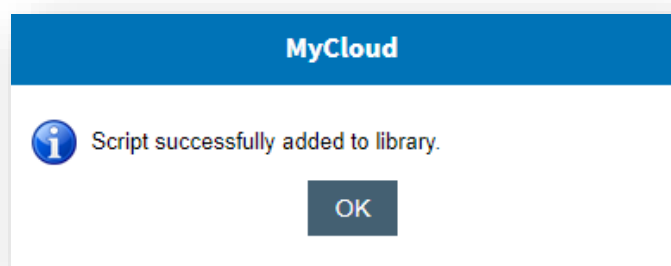


Figure 49 - Success Message

6. Click OK.

#### 5.1.1.1.10 Copy Task

1. Click Copy Task (  ) to a window pops up to Manage Task.

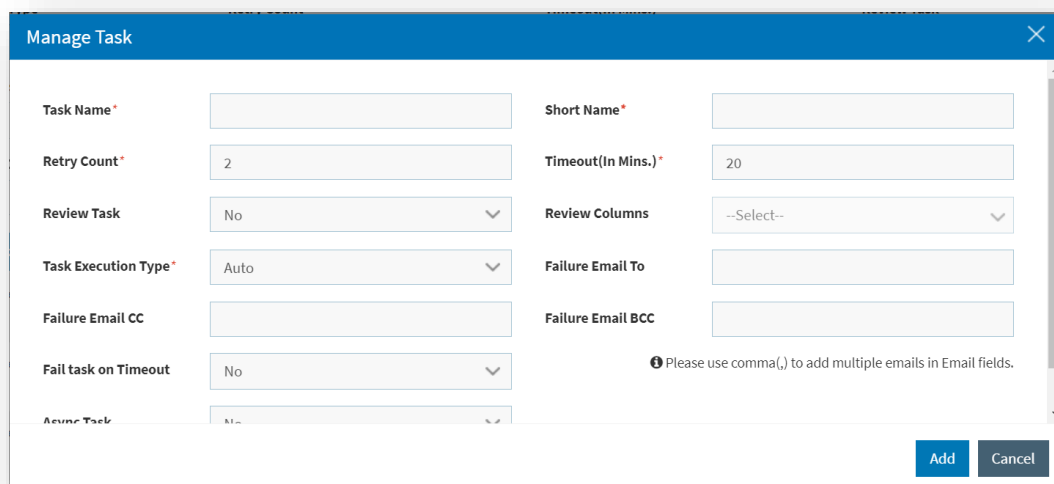


Figure 50 – Copy Task

2. Refer the below table to understand the fields mentioned in the above figure:

Table 175 – Copy Task

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Task Name           | It highlights the name of the task and use with ITSM tool for integration purpose. All the task details shown on hover of task name inside table help icon (  ) like short name, execution type etc.                                                                                                                                  |
| Short Name          | Provide a short name for the ease of usage                                                                                                                                                                                                                                                                                                                                                                                |
| Task execution Type | Defines execution type of tasks. This can be auto or manual,<br>Auto: Auto task execution type executed by orchestrator engine in MyCloud for submitted service requests<br>Manual: Manual task execution will be executed by respective support team manually and update the status in ITSM tool. Simultaneously, ITSM tool will notify MyCloud and update the status of task.                                           |
| Retry Count         | Number of times a task will be retried for execution upon getting failed.                                                                                                                                                                                                                                                                                                                                                 |
| Timeout (In Mins)   | Time limit before the task becomes inactive.                                                                                                                                                                                                                                                                                                                                                                              |
| Review Task         | In Process Workflow if user wants UI Templates columns to be reviewed before marking that task as completed, user can opt for Review Task option and Mark the columns to be reviewed. In Request Task Tracking Report user can validate the Pending Review task for the Request and perform appropriate action. Review Task -Yes (signifies user opts in for Review) Review Task -No (signifies user opts out for Review) |
| Review Columns      | Define the list of columns from UI Template chosen to create Process Workflow. (Enable only when Review Task marked as Yes otherwise disable.                                                                                                                                                                                                                                                                             |

|                      |                                                                                                                                                                                                                                                                           |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Async Task           | Using this task type we can configure task that need to be execute asynchronously. At the time of execution MyCloud triggers the task and save the acknowledgement no. once task is completed third party tool will invoke MyCloud api to close the task success/failure. |
| Failure Email To     | This field will be used to send "To" Email notification, in case of Task Failure. Please use comma (,) to add multiple emails in this fields.                                                                                                                             |
| Failure Email CC     | This field will be used to send "CC" Email notification, in case of Task Failure. Please use comma (,) to add multiple emails in this fields.                                                                                                                             |
| Failure Email BCC    | This field will be used to send "BCC" Email notification, in case of Task Failure. Please use comma (,) to add multiple emails in this fields.                                                                                                                            |
| Fail task on Timeout | this is to be used in case of timeout whether task needs to be marked as failed or not.                                                                                                                                                                                   |

3. Enter the Task Name and Short Name and click Add Button.

The following success message appears

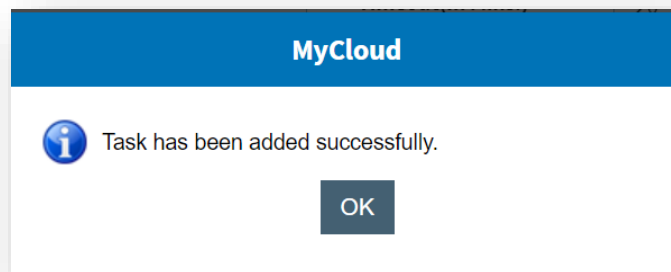


Figure 51 – Copy Task – Success Message

4. Click on OK button.
5. Copy Task added in list of task details.

## 5.2 Manage Template

This section lists out all process templates that have been created by Provider User.

The following actions can be performed:

- Edit (  ): To modify the details of existing templates.
- Export (  ): To export the details of existing templates.

### 5.2.1 Edit Template

To modify/ edit a process template, follow the below steps:

1. On the Manage Process Template screen, click Manage Template.
2. Select Organization and Platform.
3. Select UI Template.
4. Click Go.

**Manage Process Template**

Manage Template   Add Template   Import Process Template

Organization \* 
 Platform \* 
 UI Template

Figure 52 - Edit Manage Process Template

- This lists down all the configured process templates in a tabular view:

**Manage Process Template**

Manage Template   Add Template   Import Process Template   Design Process Template

Organization \* 
 Platform \* 
 UI Template

All dates are in mm/dd/yyyy HH:mm:ss format

| Template Name       | UI Template                 | Associated Service Catalogs/Actions | Created On          | Action                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------|-----------------------------|-------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 123 (Version 1)     | newDesign_15800 (Version 1) | 17675-After successfully publishing | 02/19/2024 18:16:56 |       |
| 1234567 (Version 1) | newDesign_15800 (Version 1) | NA                                  | 02/19/2024 18:02:38 |       |

Figure 53 - Edit Template (Cont.)

**Manage Process Template**

Manage Template   Add Template   Import Process Template   Design Process Template

Organization \* 
 Platform \* 
 UI Template

All dates are in mm/dd/yyyy HH:mm:ss format

| Template Name       | UI Template                 | Associated Service Catalogs/Actions | Created On          | Action                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------|-----------------------------|-------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 123 (Version 1)     | newDesign_15800 (Version 1) | 17675-After successfully publishing | 02/19/2024 18:16:56 |       |
| 1234567 (Version 1) | newDesign_15800 (Version 1) | NA                                  | 02/19/2024 18:02:38 |       |

Figure 54 – Edit Template (Cont.)

- Click Edit (  ) against the template to edit.
- This re-directs the Provider to Add Template with all pre-populated details.
- Modify the details as desired and click Save.

**Manage Process Template**

Manage Template | **Add Template** | Import Process Template | Design Process Template

Organization \*  
HCLSoftware

Platform \*  
Compute on Demand vCenter

UI Template \*  
VMware\_UITemplate\_Kislay (Version 1)

Template Name \*  
VMware\_ProcessTemplate\_Kislay

Template Description  
VMware\_ProcessTemplate\_Kislay

**Update Template**

**Task View**

Task Type \*  
--Select--

Task \*  
--Select--

Task Name \*

Short Name \*

Task Execution Type \*  
Auto

Retry Count \*  
3

Timeout(In Min.)\*  
30

Review Task  
No

Review Columns  
--Select--

Async Task  
No

Failure Email To

Failure Email CC

Failure Email BCC

Fail task on Timeout  
No

**Add Task**

| S.No. | Task Type | Task Code  | Task Name | Notify Success           | Notify Failure           | Move Group | Group Sequence | Move Task | Action   |
|-------|-----------|------------|-----------|--------------------------|--------------------------|------------|----------------|-----------|----------|
| 1     | Custom    | POWERSHELL | GetVmname | <input type="checkbox"/> | <input type="checkbox"/> | ↓          | 1              | ↕         | 🔍 📄 🗑️ 🔄 |
| 2     | Generic   | CLONE21    | Clone20   | <input type="checkbox"/> | <input type="checkbox"/> | ↕          | 2              | ↕         | 🔍 📄 🗑️ 🔄 |

Figure 55 - Manage Process Edit Template

- A confirmation message appears as below.

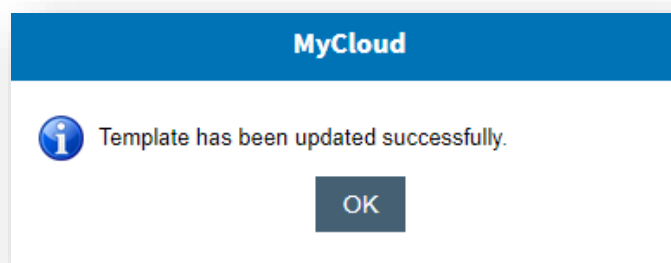


Figure 56 - Confirmation Message

- Click OK.

## 5.2.2 Export Template

To export a process template, follow the below steps:

- On the Manage Process Template screen, click Manage Template.
- Select Organization and Platform.
- Select UI Template.
- Click Go.

**Manage Process Template**

Manage Template | Add Template | Import Process Template

Organization \*  
--Select--

Platform \*  
--Select--

UI Template  
--Select--

**Go**

Figure 57 - Export Manage Process Template

- Configured process templates list down in a tabular view:

| Template Name      | Platform              | Organization | UI Template        | Created On          | Status | Action |
|--------------------|-----------------------|--------------|--------------------|---------------------|--------|--------|
| Dummy (Version 1)  | Google Cloud Platform | HCLOrg       | Dummy (Version 1)  | 04/13/2022 17:04:31 | ●      |        |
| dummy1 (Version 1) | Google Cloud Platform | HCLOrg       | dummy1 (Version 1) | 04/13/2022 17:06:51 | ●      |        |

Figure 58 - Export Process Template (Cont.)

6. Click Export ( ).
7. A JSON file gets downloaded.

### 5.2.2.1 Import Process Template

1. To Import existing process templates of an organization, follow the below steps:

Figure 59 - Import Process Template

2. Select Import Type as New or Overwrite.
3. As soon as Process Template File is uploaded the Upload button appears.
4. Select Organization, Platform and UI Template.
5. If Overwrite option is selected from Point 1 then select the Process Template Name field.
6. Click on Upload.

Figure 60 - Import Process Template (Cont.)

7. All the tasks in Process Template gets imported and listed with all configurations.

8. If a user wishes to change the configuration (e.g., Success Service Name, Task Name etc.), it is done through manage process template.
9. Click on Save.
10. A success message box appears.
11. Click OK.



Figure 61 - Confirmation Message

### 5.2.3 Change Status of Process Template

1. To make active or inactive a template, use the icon .
2. On the click of , below confirmation message will appear.

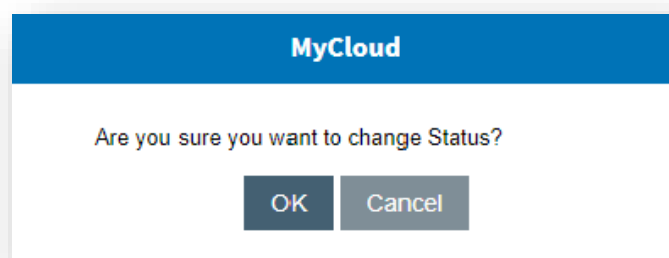


Figure 62 - Alert Message

3. Click OK to proceed further.

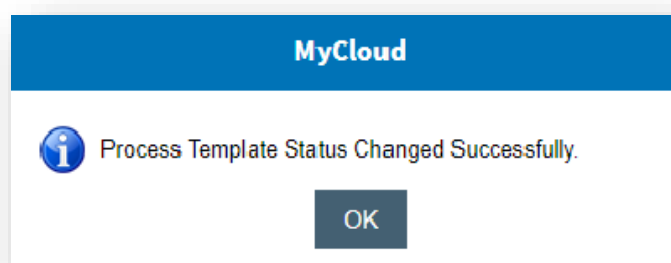


Figure 63 - Change Status Confirmation Message

4. Click OK.

| Template Name     | Platform              | Organization | UI Template       | Created On          | Status                             | Action                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------|-----------------------|--------------|-------------------|---------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dummy (Version 1) | Google Cloud Platform | HCLOrg       | Dummy (Version 1) | 04/13/2022 17:04:31 | <span style="color: red;">●</span> |      |

Figure 64 - Configured process templates list down in a tabular view:

#### 5.2.4 Version of Process Template

Versioning of process template helps users to add new tasks/ modifications. Follow the below steps to initiate versioning in templates:

1. To create a new version of process template, click the icon .
2. On the click of , Below popup will appear:

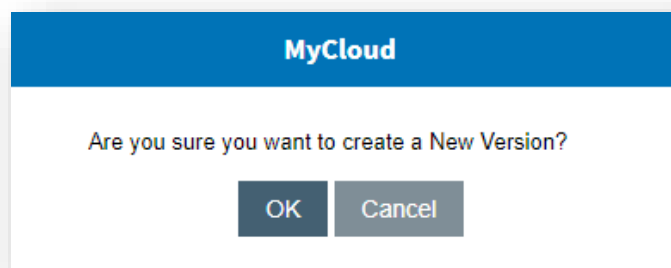


Figure 65 - Create New Version Confirmation Message

3. Click OK to proceed further.

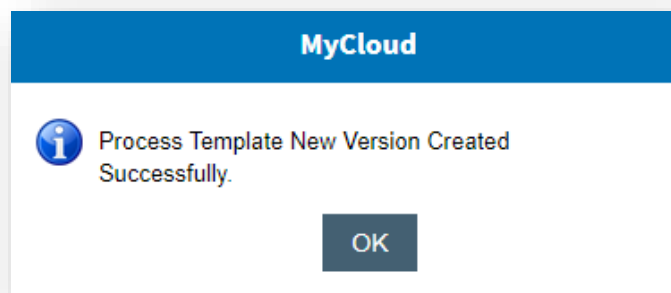


Figure 66 - Confirmation Message

4. Click OK

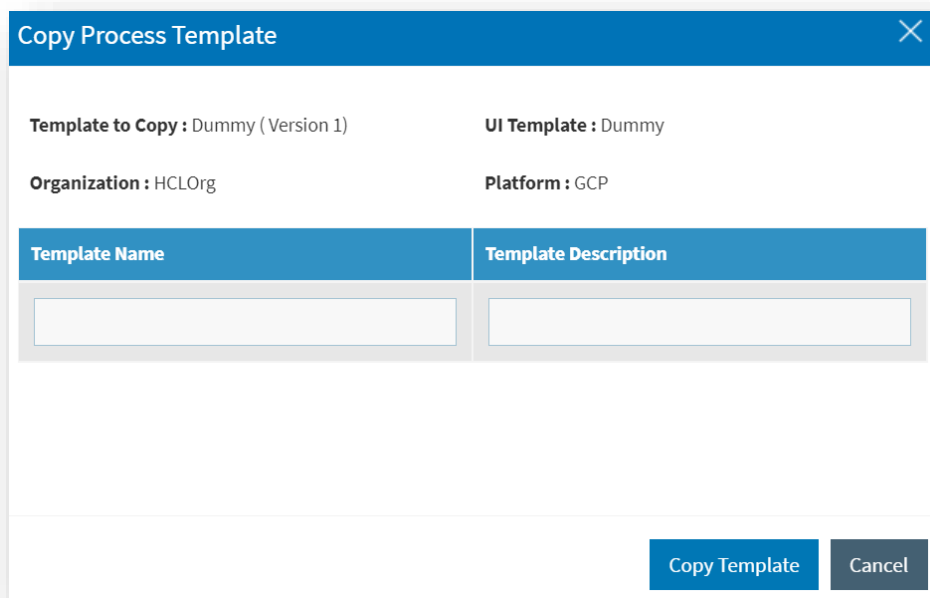
| Template Name     | Platform              | Organization | UI Template       | Created On          | Status                             | Action                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------|-----------------------|--------------|-------------------|---------------------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dummy (Version 1) | Google Cloud Platform | HCLOrg       | Dummy (Version 1) | 04/13/2022 17:04:31 | <span style="color: red;">●</span> |      |

Figure 67 - Configured process templates list down in a tabular view:

### 5.2.5 Copy Process Template

To create a new template, perform the following steps:

1. Click on  icon corresponding to the template to be copied.
2. The below window will appear:



The dialog box titled "Copy Process Template" has a blue header bar with a close button (X) on the right. The main content area is white and contains the following fields:

- Template to Copy :** Dummy ( Version 1)
- UI Template :** Dummy
- Organization :** HCLOrg
- Platform :** GCP

Below these fields is a table with two columns:

| Template Name        | Template Description |
|----------------------|----------------------|
| <input type="text"/> | <input type="text"/> |

At the bottom right of the dialog box are two buttons: "Copy Template" (blue) and "Cancel" (grey).

Figure 68 - Copy Process Template

3. Enter Template Name.
4. Enter Template Description.
5. Click Copy Template.
6. A success message box appears.

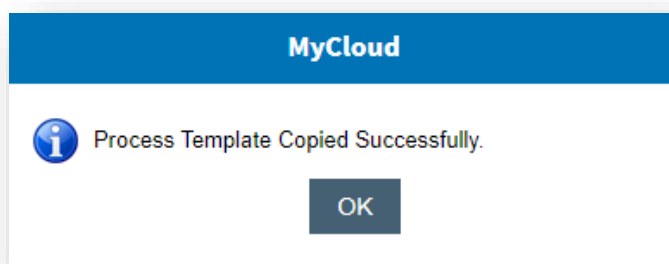


Figure 69 - Confirmation Message

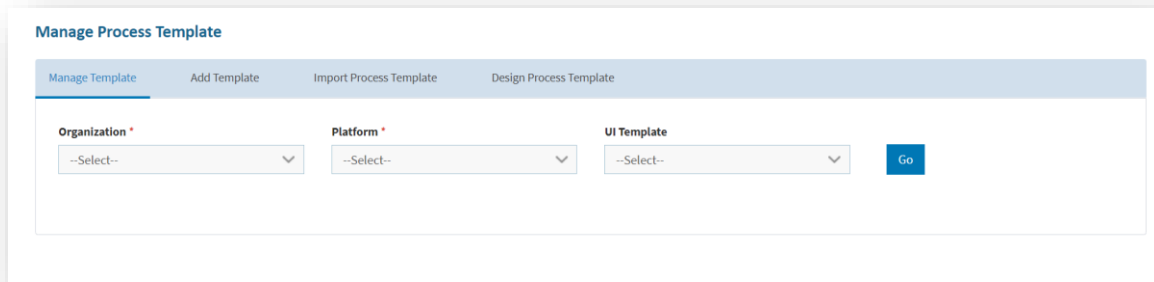
7. Click OK.

## 5.3 Process Template Designer

The section explains the detailed steps to create Process Templates using the graphical method within MyCloud. It uses drag and drop method to create a process templates.

To create a process template, the provider user needs to follow these steps:

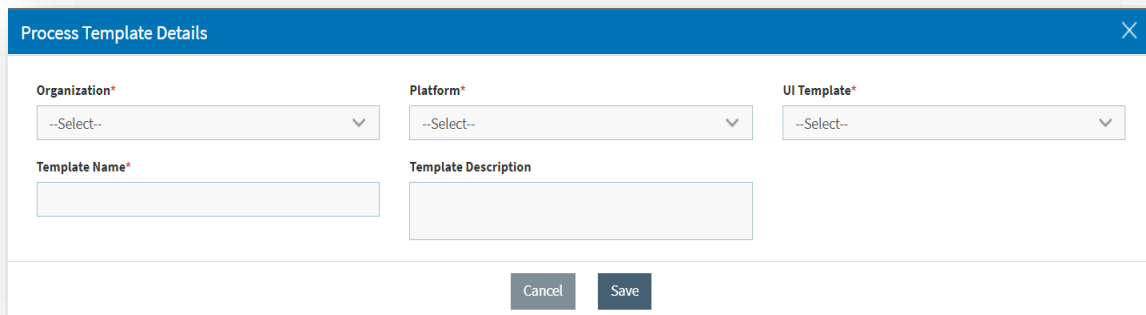
1. On the Manage Process Template screen, select Design Process Template tab.



The screenshot shows the 'Manage Process Template' interface. At the top, there are four tabs: 'Manage Template', 'Add Template', 'Import Process Template', and 'Design Process Template'. The 'Design Process Template' tab is currently selected. Below the tabs, there are three dropdown menus labeled 'Organization \*', 'Platform \*', and 'UI Template', each with a '--Select--' option. To the right of these dropdowns is a blue 'Go' button.

Figure 70 – Manage Process Template Screen

2. The Process Template Details form appears.



The screenshot shows the 'Process Template Details' form. It has a blue header bar with the title 'Process Template Details' and a close button (X). The form contains several fields: 'Organization\*' (dropdown), 'Platform\*' (dropdown), 'UI Template\*' (dropdown), 'Template Name\*' (text input), and 'Template Description' (text area). At the bottom of the form, there are two buttons: 'Cancel' and 'Save'.

Figure 71 – Process Template Details

3. Refer the below table to understand the fields mentioned in the above figure:

Table 176 – Fields to Create Process Template using Process Template Designer

| Fields               | Description                                                                                                                                                                                                                                                                                                                     |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Organization         | Name of the Organization (Business Units/ Divisions in Organizations). The Provider User needs to choose the Organization for which they want to create the Process Template. This ensures that the Template is associated with the correct Organization and can be accessed by the appropriate users within that Organization. |
| Platform             | Name of the Cloud Service Provider. The provider User selects a Platform. This could refer to a pre-designed layout or structure that serves as the basis for the Process Template.                                                                                                                                             |
| UI Template          | A Template that is used to design the service Request Form in MyCloud. Select the UI Template from the drop down. The UI Template provides a framework for organizing and presenting the Task, Inputs, Outputs, and other relevant information.                                                                                 |
| Template Name        | This is the name of the Template as per the Provider User. The Provider User assigns Template Name to the Process Template. The name should be descriptive and easily identifiable.                                                                                                                                             |
| Template Description | Describe the Template and its purpose. The Provider User assigns Template Description to the Process Template. The Description provides additional context or details about the Template's purpose, usage etc.                                                                                                                  |
| Add Template         | This is an option to add all the above information                                                                                                                                                                                                                                                                              |

- By populating the above-mentioned fields, the Provider User can create a Process Template that is tailored to the specific Organization, utilizes a predefined UI Template for consistency, and is appropriately named and described. This Template can then be used as a Blueprint for creating and managing processes Task within the Organization.
- After successfully saving the Process Template, a confirmation message should be displayed to indicate that the operation was successful.

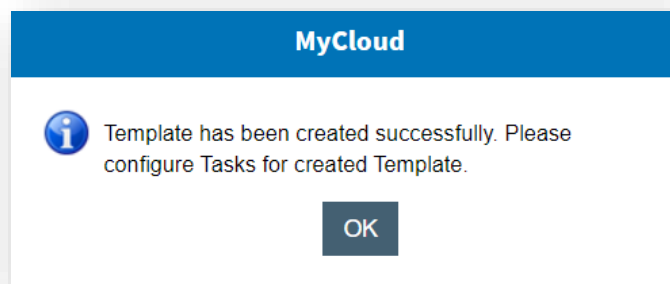


Figure 72 – Confirmation Message

- The next action in the workflow is to populate a **Task View** form. This form is used to create Tasks/Groups that will be executed at the Orchestrator level.
- Task View:** After the Designer Process Template is saved, the user is presented with a screen displaying a Canvas. Here's how the layout and default setup could be organized:
  - Canvas Displayed on Left Side:** The Canvas, where users can design and visualize the process flow, occupies the left side of the screen. This canvas provides a graphical representation of the process flow, allowing users to drag and drop elements to create and connect/link the Tasks.

- **Task Palette Displayed on Right Side:** On the right side of the screen, the Task Palette is displayed. This Palette contains a collection of Task elements or Components that users can use to build their process flow. It typically includes various types of Tasks.
- **Start Task Visible on Canvas by Default:** Upon opening the Canvas, the "Start Task" element is already visible and positioned as the starting point of the process flow. This allows users to immediately start designing their process from the beginning, connecting subsequent tasks and elements as needed.

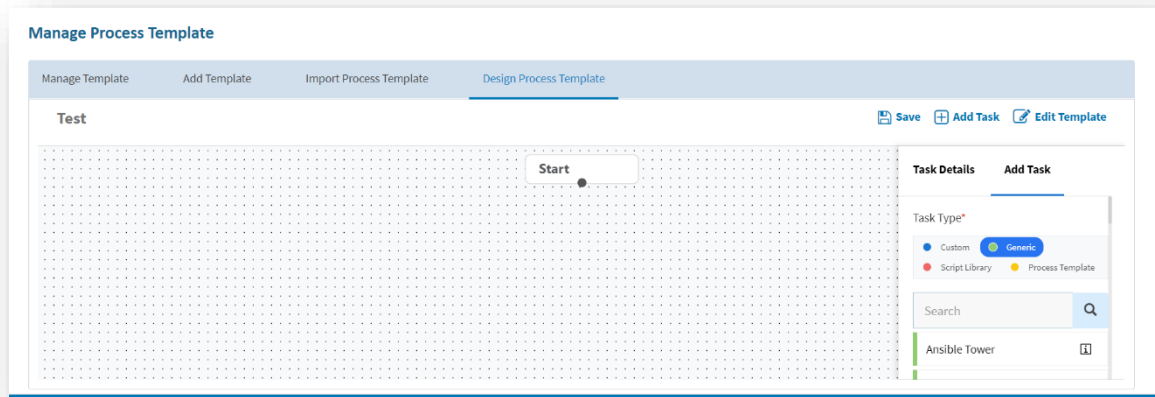


Figure 73 – Task View

#### 8. Add Task:

- **Task Palette (Right Side):** The following task types are available on the task palette.
  - **Generic Task:** Represents Out-of-the-Box Tasks provided by MyCloud with predefined processes to execute in the Orchestrator Engine. These Tasks typically encapsulate common functionalities or integrations available within the MyCloud Platform.
  - **Custom Task:** Allows users to add PowerShell and Python Scripts to execute Tasks in the Orchestrator Engine of MyCloud. Users can define custom logic and operations tailored to their specific requirements using Scripting Languages.
  - **Script Library Task:** Consists of a pre-defined library of reusable Custom Scripts. When users define a Process Workflow using the Script Library option, they can add existing Custom Scripts from the repository.  
Users can modify selected Custom Scripts using the "[Manage Task](#)" action, allowing for customization, and fine-tuning as needed.
  - **Process Template Task:** This section to allow users to choose existing tasks from a process template, including both generic and custom tasks,

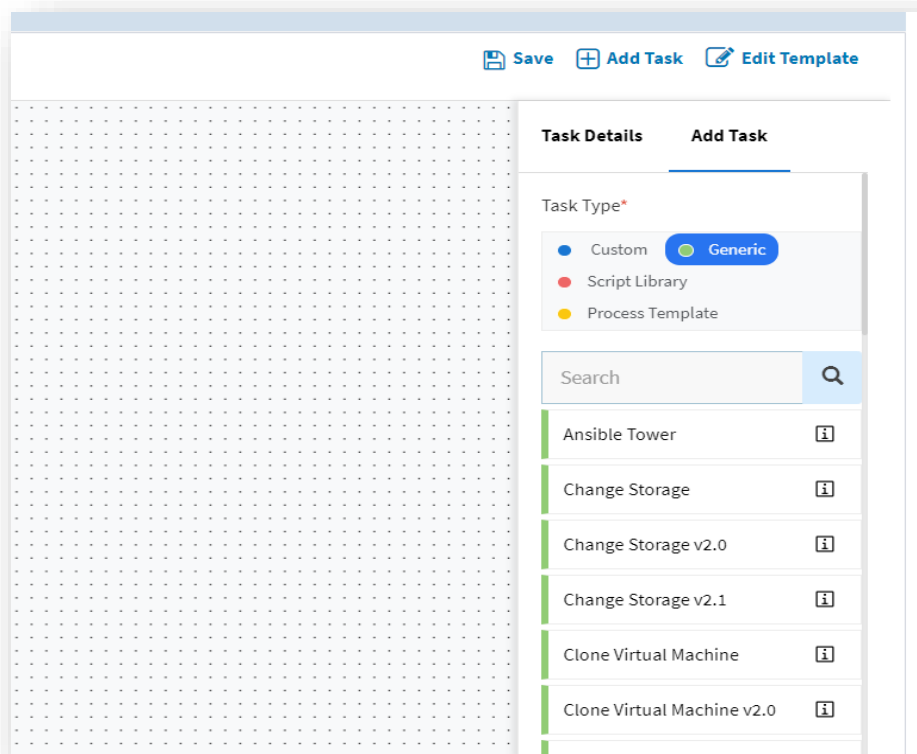


Figure 74 – Task Palette

9. To add a new task to the Canvas, users need to follow these steps:
  - a. **Locate the Add Task Panel:** On the left side of the screen, users can find the Task Palette, which contains different types of Tasks such as Generic Task, Custom Task, Script Library Task and Process Template Tasks.
  - b. **Select the Desired Task Type:** Depending on the requirements of the process being designed, users can choose the appropriate Task Type from the Task palette. This could be a Generic Task, Custom Task, or a task from the Script Library and Process Template Tasks.
  - c. **Drag the Task onto the Canvas:** Once the desired Task Type is selected, users can simply click and drag the Task from the Task palette onto the Canvas.
  - d. **Position the Task on the Canvas:** After dragging the Task onto the Canvas, users can position it at the desired location within the Process flow. They can place it before or after existing tasks, as well as connect it with other tasks using connectors or flow arrows.
  - e. **Configure the Task:** Once the Task is placed on the Canvas, users can configure its settings, such as Task Name, Short Name, and other mandatory details. This ensures that the Task is properly defined and aligned with the overall process flow.

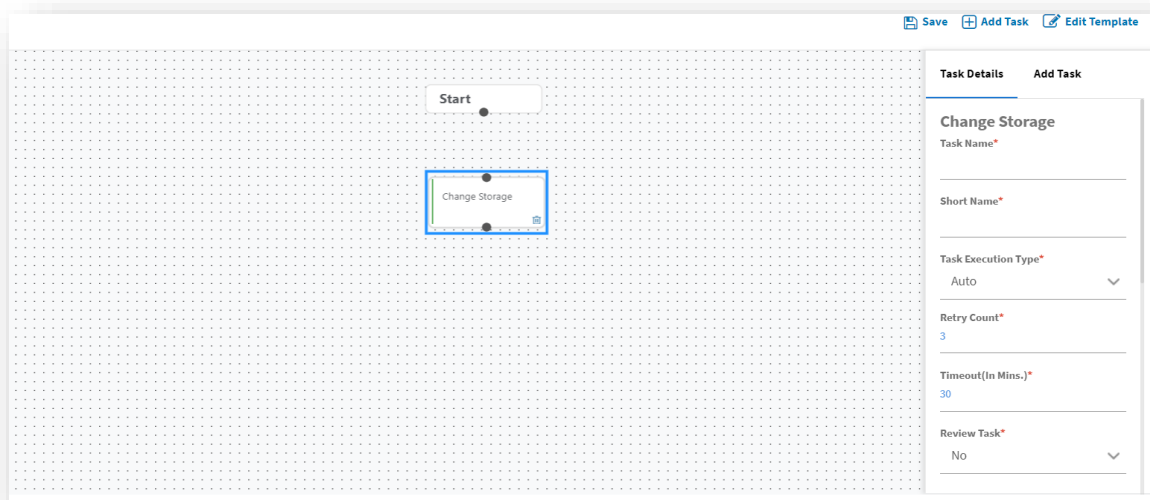


Figure 75 – Add Task to Canvas

10. By following these steps, users can seamlessly add new Tasks to the Canvas and incorporate them into the process flow, enabling them to design and visualize complex workflows efficiently.

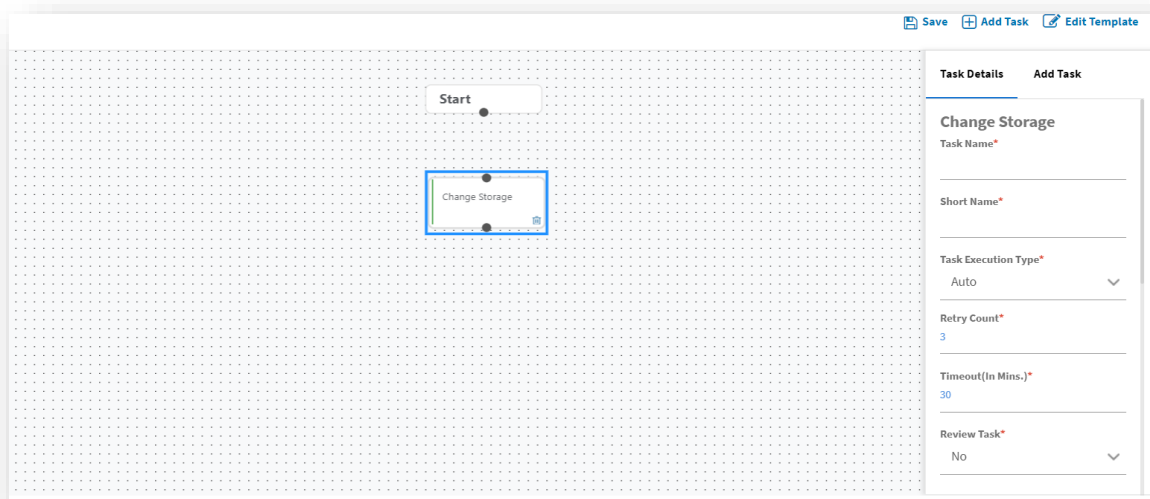


Figure 76 – Add Task to Canvas (Cont.)

11. Refer the below table to understand the fields mentioned in the above figure:

Table 177 – Fields to Create Process Template using Process Template Designer (Cont.)

| Fields    | Description                                                                                                                                                                                                                                                                                    |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Task Type | Provide the Task Type                                                                                                                                                                                                                                                                          |
| Task      | The field highlights the tasks that need to be added in the process template. If provider user selects generic task under task type, then MyCloud out of box tasks (like Clone, add disk etc.) are populated and if user selects Custom task in task type, then following tasks are populated: |

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | <ul style="list-style-type: none"> <li>• <b>Call PowerShell script:</b> Provider can write PowerShell scripts to execute task and map PowerShell variables from the Dynamic UI form values and can also use MyCloud predefined functions to execute the script.</li> <li>• <b>Call Python script:</b> Provider can write Python scripts to execute task and map Python variables from the Dynamic UI form values and can also use MyCloud predefined functions to execute the script.</li> </ul> |
| Script               | This option is enabled when task type is Script library. The user can add existing Custom Script (PowerShell and Python) from repository in workflow.                                                                                                                                                                                                                                                                                                                                            |
| Task Name            | It highlights the name of the task and is used with ITSM tool for integration purpose.                                                                                                                                                                                                                                                                                                                                                                                                           |
| Short Name           | Provide a Short Name for the ease of usage                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Task execution Type  | <p>Defines execution type of Tasks. This can be auto or manual,</p> <ul style="list-style-type: none"> <li>• <b>Auto:</b> Orchestrator Engine executes the task in MyCloud for submitted Service Requests.</li> <li>• <b>Manual:</b> The respective support team manually executes and updates the status in ITSM tool. Simultaneously, ITSM Tool will notify MyCloud and update the status of task.</li> </ul>                                                                                  |
| Retry Count          | Number of times a Task will be retried for execution upon getting failed.                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Timeout (In Mins)    | Time limit before the task becomes inactive.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Review Task          | <p>In Process Workflow, if the user wants UI Templates columns to be reviewed before marking that task as completed, user can opt for Review Task option and Mark the columns to be reviewed. In Request Task Tracking Report, the user can validate the Pending Review task for the Request and perform appropriate action.</p> <p>Review Task -Yes (signifies user opts in for Review) Review Task -No (signifies user opts out for Review)</p>                                                |
| Review Columns       | Define the list of columns from UI Template chosen to create Process Workflow. (Enable only when Review Task marked as Yes otherwise disable.                                                                                                                                                                                                                                                                                                                                                    |
| Async Task           | <p>Using this Task type the user can configure task that need to be executed asynchronously. At the time of execution, MyCloud triggers the task and save the acknowledgement number.</p> <p>Once task is completed third party tool will invoke MyCloud API to close the task Success/Failure.</p>                                                                                                                                                                                              |
| Failure Email To     | This field will be used to send "To" Email notification, in case of Task Failure. Please use comma (,) to add multiple emails in this fields.                                                                                                                                                                                                                                                                                                                                                    |
| Failure Email CC     | This field will be used to send "CC" Email notification, in case of Task Failure. Please use comma (,) to add multiple emails in this fields.                                                                                                                                                                                                                                                                                                                                                    |
| Failure Email BCC    | This field will be used to send "BCC" Email notification, in case of Task Failure. Please use comma (,) to add multiple emails in this fields.                                                                                                                                                                                                                                                                                                                                                   |
| Fail task on Timeout | This is to be used in case of timeout whether task needs to be marked as failed or not.                                                                                                                                                                                                                                                                                                                                                                                                          |
| Task Code            | It's a code in MyCloud that has been assigned to each of the task.                                                                                                                                                                                                                                                                                                                                                                                                                               |

|                |                                                                   |
|----------------|-------------------------------------------------------------------|
| Notify success | Notify to ITSM tool when the task has been executed successfully. |
| Notify Failure | Notify to ITSM tool when the task has failed to execute.          |

12. **Link the Task on Canvas:** Drag first Task onto Canvas and link with Start Task, this is to signify that it's the initial step in the process.

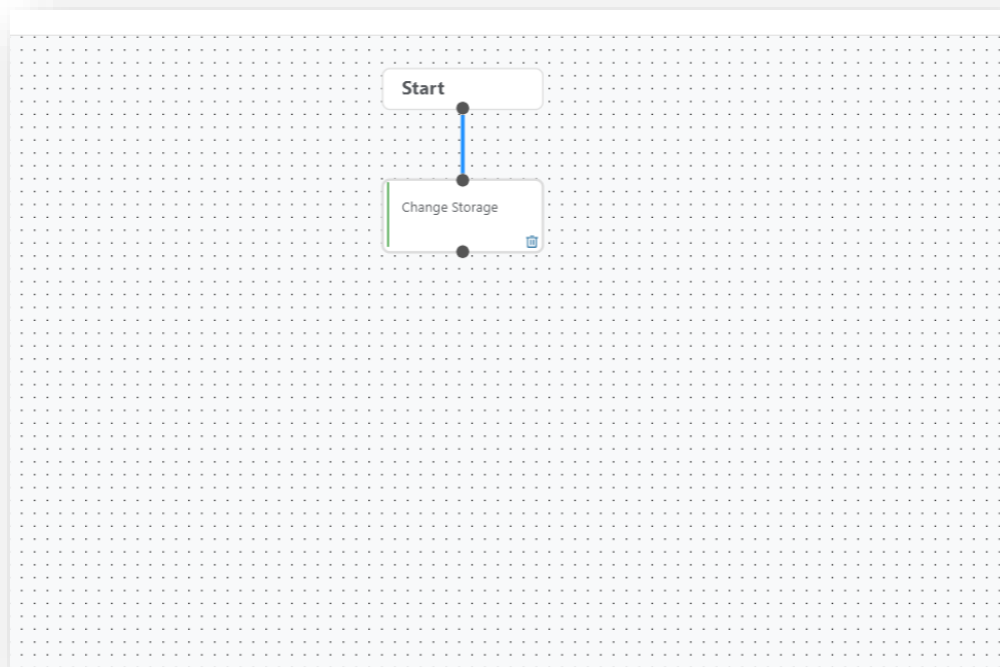


Figure 77 - Link the Task on Canvas

13. **Click on Task Node to Access Details:** After connecting the task click directly on the task node to access its properties.
14. **Fill Task Details:** Within the Task properties panel or Dialog box, fill in following details:
- **Task Name:** A descriptive name for the task.
  - **Short Name:** Optionally, a shorter identifier for the task.
  - **Task Count:** Specifies the number of times this task should be executed.
  - **Retry Count:** Indicates how many times the task should be retried if it fails.
  - **Other Parameters:** Additional parameters specific to the task, such as timeout duration, priority level, etc.
15. **Save Task Details:** Once all the necessary details are entered, save the task properties by using the Save button to apply the changes. By following these steps, you can seamlessly add tasks to the process flow.

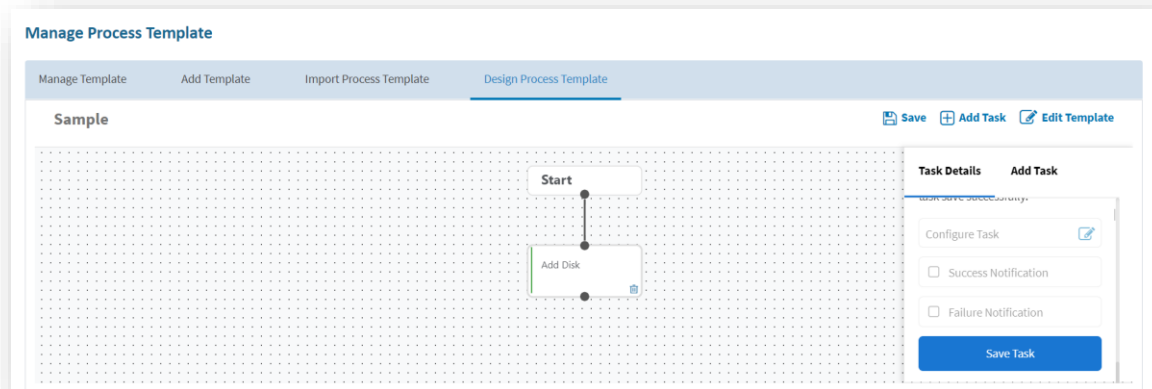


Figure 78 – Save Task Details

16. **Subsequent Task Sequencing:** Each subsequent task added to the Canvas should be assigned a sequence number that reflects its intended execution order in the process flow. For example, if a task is added after the "Start Task" and is the first task to be executed after the start, it should be assigned a sequence number of 1. Subsequent tasks would then be assigned sequential numbers accordingly.
  - **Handling Single Child Tasks:** If a task has only one child task, the system should automatically link the child task to its parent task and assign it the next sequential number.
  - **Recognition of Shared Parent:** When multiple tasks share the same parent task and are intended to execute in parallel, the system should recognize this shared parent-child relationship. All tasks that are intended to execute in parallel under the same parent should be assigned the same sequence number.
 

This ensures that these tasks are part of the same "group" of parallel-executing tasks within the process flow. We can also drag task in existing group also we can drag task group to canvas.

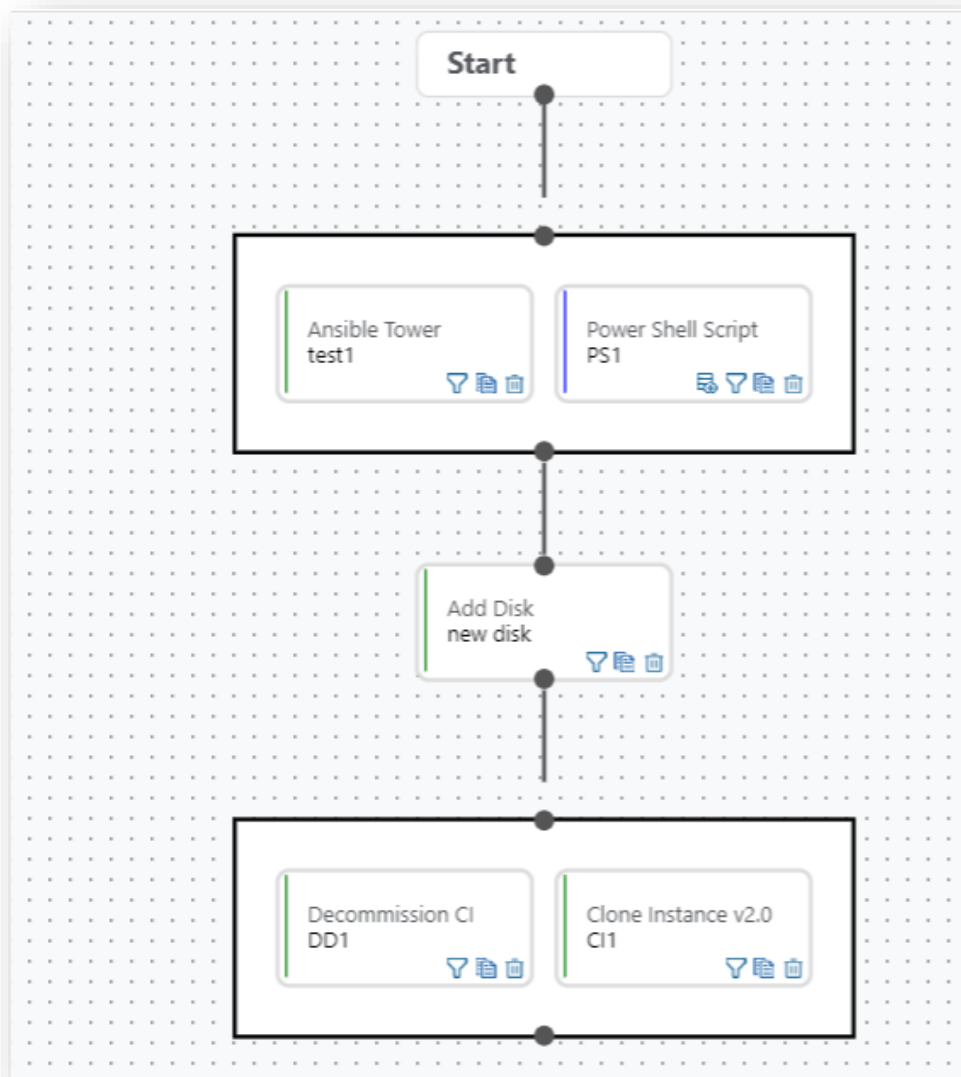


Figure 79 – Tasks with Shared Parent

The following actions can be performed on a task:

- **Delete:**

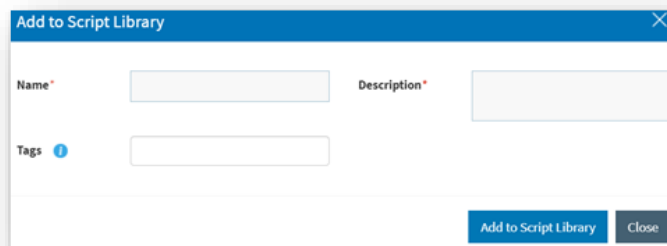
The Delete icon  allows users to delete a Task from the Canvas. When users drag any Task on Canvas, the delete icon appears.

Users can click on the Delete icon to remove the Task from the Canvas. If the Task is saved, a confirmation prompt is displayed to ensure that the deletion is intentional.

- **Filter:**

- a. Once a Generic Task is saved, then along with Delete icon the Filter  icon is displayed to scale down the search for a Task.





The 'Add to Script Library' dialog box has a blue header bar with the title 'Add to Script Library' and a close button (X). Below the header, there are three input fields: 'Name\*' (required), 'Description\*' (required), and 'Tags' (with an information icon). At the bottom right, there are two buttons: 'Add to Script Library' (blue) and 'Close' (grey).

Figure 81 – Add to Script Library

- f. Enter Name, Description and Tags.
- g. Click Add to Script Library. A success message box appears.

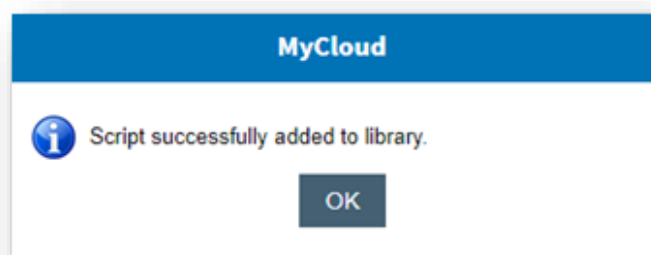
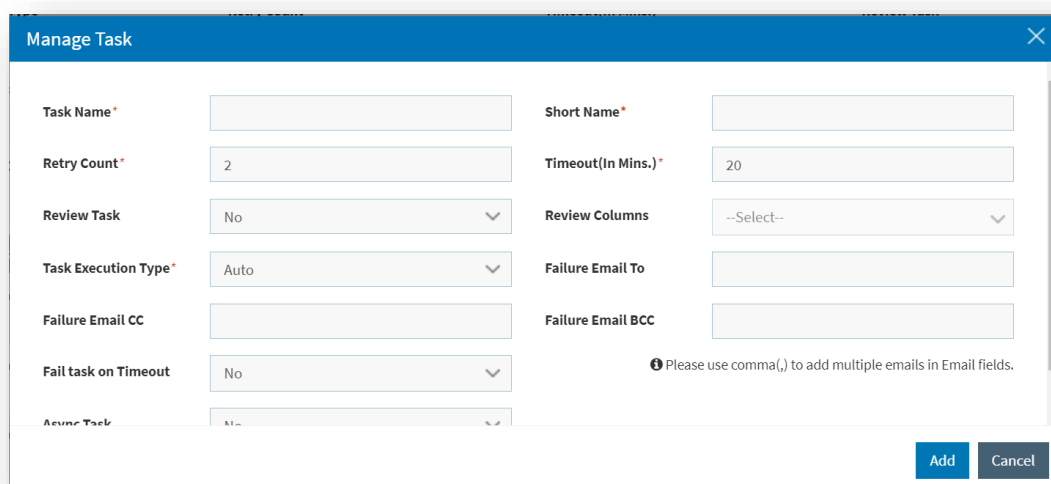


Figure 82 – Success Message

- h. Click OK.
- **Copy Task:**
- To Copy task, perform the following steps:
- a. Click Copy Task (📄), a window pops up to Copy Task to create new task.



The 'Manage Task' dialog box has a blue header bar with the title 'Manage Task' and a close button (X). Below the header, there are several input fields and dropdown menus arranged in two columns. The left column contains: 'Task Name\*', 'Retry Count\*' (with value 2), 'Review Task' (dropdown with 'No'), 'Task Execution Type\*' (dropdown with 'Auto'), 'Failure Email CC', 'Fail task on Timeout' (dropdown with 'No'), and 'Assign Task' (dropdown with 'No'). The right column contains: 'Short Name\*', 'Timeout(In Mins.)\*' (with value 20), 'Review Columns' (dropdown with '--Select--'), 'Failure Email To', 'Failure Email BCC', and a note 'Please use comma(,) to add multiple emails in Email fields.' At the bottom right, there are two buttons: 'Add' (blue) and 'Cancel' (grey).

Figure 83 – Copy Task

Table 179 – Fields to Apply Copy Task

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Task Name            | It highlights the name of the task and use with ITSM tool for integration purpose. All the task details shown on hover of task name inside table help icon (  ) like short name, execution type etc.                                                                                                                                   |
| Short Name           | Provide a short name for the ease of usage                                                                                                                                                                                                                                                                                                                                                                                |
| Task execution Type  | Defines execution type of tasks. This can be auto or manual,<br>Auto: Auto task execution type executed by orchestrator engine in MyCloud for submitted service requests<br>Manual: Manual task execution will be executed by respective support team manually and update the status in ITSM tool. Simultaneously, ITSM tool will notify MyCloud and update the status of task.                                           |
| Retry Count          | Number of times a task will be retried for execution upon getting failed.                                                                                                                                                                                                                                                                                                                                                 |
| Timeout (In Mins)    | Time limit before the task becomes inactive.                                                                                                                                                                                                                                                                                                                                                                              |
| Review Task          | In Process Workflow if user wants UI Templates columns to be reviewed before marking that task as completed, user can opt for Review Task option and Mark the columns to be reviewed. In Request Task Tracking Report user can validate the Pending Review task for the Request and perform appropriate action. Review Task -Yes (signifies user opts in for Review) Review Task -No (signifies user opts out for Review) |
| Review Columns       | Define the list of columns from UI Template chosen to create Process Workflow. (Enable only when Review Task marked as Yes otherwise disable.                                                                                                                                                                                                                                                                             |
| Async Task           | Using this task type we can configure task that need to be execute asynchronously. At the time of execution MyCloud triggers the task and save the acknowledgement no. once task is completed third party tool will invoke MyCloud api to close the task success/failure.                                                                                                                                                 |
| Failure Email To     | This field will be used to send "To" Email notification, in case of Task Failure. Please use comma (,) to add multiple emails in this fields.                                                                                                                                                                                                                                                                             |
| Failure Email CC     | This field will be used to send "CC" Email notification, in case of Task Failure. Please use comma (,) to add multiple emails in this fields.                                                                                                                                                                                                                                                                             |
| Failure Email BCC    | This field will be used to send "BCC" Email notification, in case of Task Failure. Please use comma (,) to add multiple emails in this fields.                                                                                                                                                                                                                                                                            |
| Fail task on Timeout | this is to be used in case of timeout whether task needs to be marked as failed or not.                                                                                                                                                                                                                                                                                                                                   |

- b. Enter Task Name and Short Name.
- c. Click Add to Copy Task. A success message box appears.

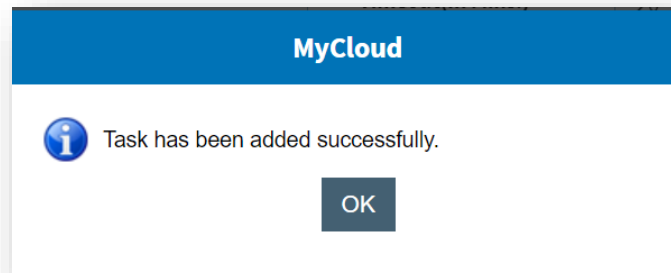


Figure 84 – Success Message

d. Click OK.

– **Configure Task:**

This section explains the process to customize the Task type parameters of a selected Task. Once a task is saved, the Configure Task icon is enabled.

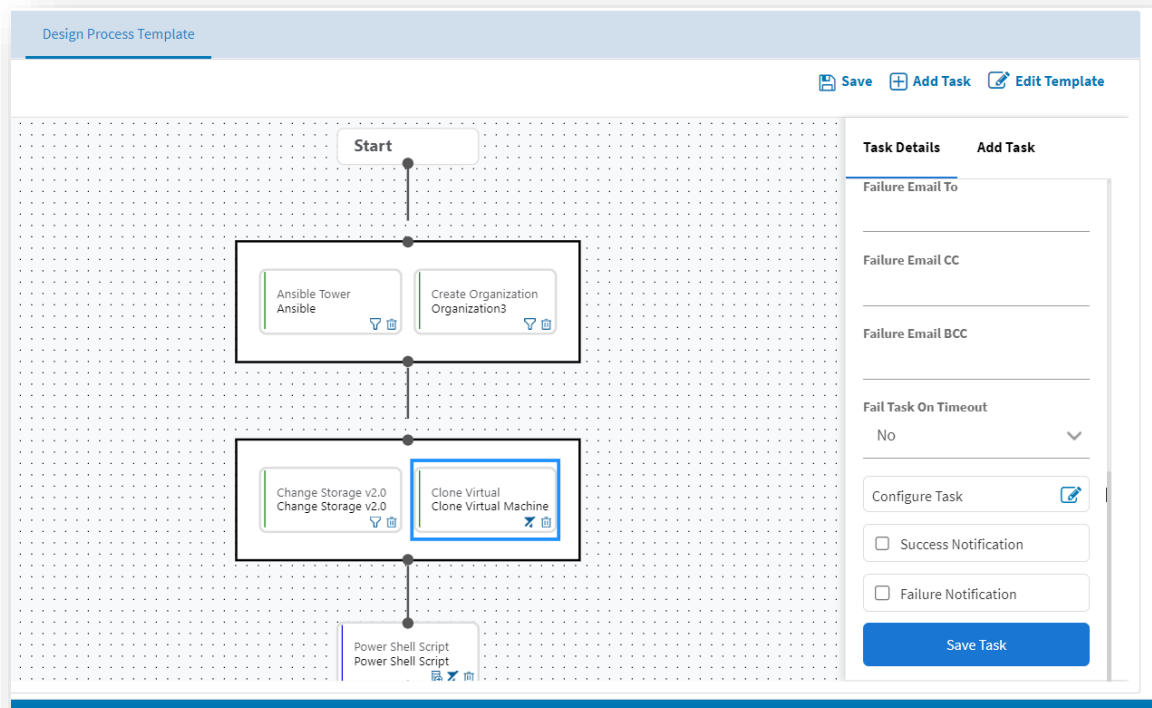


Figure 85 – Configure Task

- **Generic Task:** When the task type is selected as Generic.
- i. On clicking the Configure Task icon, a window pops up where Provider maps MyCloud's out of the box Tasks.

| Parameter Name | Parameter Description | Data Type     | Parameter Value      |
|----------------|-----------------------|---------------|----------------------|
| AWSAccessKey   | AWSAccessKey          | Sql Functions | @@forGetAWSAccessKey |
| AWSSecretKey   | AWSSecretKey          | Sql Functions | @@forGetAWSSecretKey |
| ClusterName    | ClusterName           | String        | btclusterName        |
| NodePools      | NodePools             | String        | hdnNodePool          |

Figure 86 – Configure Task (Generic)

Refer the below table to understand the fields mentioned in the above figure:

Table 180 – Fields to Configure Generic Task

| Fields                | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Parameter mapping     | This icon highlights the output parameters of current generic tasks.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Parameter Name        | These are predefined parameters to execute generic task within MyCloud                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Parameter Description | Parameter description contains all the information about the parameter.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Datatype              | <p>Type of data to map parameter Name except for e.g., string, xml SQL function etc.  icon shows the type of data that is required for corresponding parameters.</p> <p><a href="#">MyCloud Predefined SQL Function List</a> is a list of MyCloud predefined functions that are used for mapping sensitive data to parameter name that are not present in dynamic UI.</p> <p>e.g., Azure subscription details etc.</p> <p>Below are the datatypes which provides parameters values which are not present in dynamic UI. For example:</p> <p><b>Static:</b> To specify the fix hard coded parameter value to workflow task.</p> <p><b>Secret Key:</b> It populates all the keys which is defined in secret manager screen and takes the value of key on workflow task execution. Secret key value displayed format is</p> <p><b>\$ConfigurationName.KeyName</b></p> <p><b>Key value:</b> it shows Map key value button (  ) option to add parameter values. On click of Map Key value below popup opens.</p> |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | <div> </div> <ol style="list-style-type: none"> <li>1. Enter <b>Key Name</b>.</li> <li>2. Select Data Type.</li> <li>3. Select/Enter key value based on the <b>Data Type</b>.</li> <li>4. Invoke the <b>Action</b> button (  ).</li> <li>5. Click <b>Submit</b>.</li> </ol>            |
| Parameter value | <p>Parameter Value contains all control fields of dynamic UI associated with a process template. Mainly, it contains 2 unique fields of MyCloud which are RequestDetailID and RequestmasterNo.</p> <p>It is used in various APIs which MyCloud supports for e.g., GetVMname, Update CI etc. For SQL function datatype all MyCloud predefined SQL functions will populate to map parameter names.</p> |

b. Populate the fields and click Submit.

- **Custom Task:** When the task type is selected as Custom.
- a. On clicking the Configure Task icon, a window pops up where provider user writes the PowerShell or Python Script to execute a task.

```

1 Param(
2 {int}$RequestNo,
3 {int}$RequestDetailID,
4 {string}$hostname
5 }
6
7
8 $token = ""
9
10 $response = Invoke-RestMethod -Uri $tokenRoute -Method Post -Body $creds -ContentType 'application/x-www-form-urlencoded'
11 $token = $response.access_token;
12 $headers1 = @{ Authorization = "Bearer $token" }
13
14 $json = @"
15 {
16   "busObjId": "93dada9f640056ce1dc67b4d4bb001f69104894dc8",
17   "busObjPublicId": null,
18   "busObjRecId": null,

```

Parameters mapping

| RowNo | Parameter Name                                 | DataType   | Parameter Value                              | Action |
|-------|------------------------------------------------|------------|----------------------------------------------|--------|
| 1     | <input type="text" value="\$RequestNo"/>       | String     | <input type="text" value="RequestMasterNo"/> |        |
| 2     | <input type="text" value="\$RequestDetailID"/> | String     | <input type="text" value="RequestDetailID"/> |        |
| 3     | <input type="text" value="\$hostname"/>        | String     | <input type="text" value="ServiceOffering"/> |        |
| 4     | <input type="text" value=""/>                  | --Select-- | <input type="text" value="--Select--"/>      |        |

Submit Close

Figure 87 Configure Task (Custom)

- With the help of icon, the Provider user adds all the dynamic variables of PowerShell with dynamic UI control values and [MyCloud Predefined SQL Function List](#).
- Click Submit to save the details. Click Close to discard the changes.
- A success message box appears if you choose to discard the changes. Click **Ok**



Figure 88 – Success Message

- On clicking Submit, the following screen appears.

**Task View**

Task Type \*

Task \*

Task Name \*

Short Name \*

Task Execution Type \*

Retry Count \*

Timeout(In Mins.) \*

Review Task

Review Columns

Async Task

Failure Email To

Failure Email CC

Failure Email BCC

Fail task on Timeout

**Add Task**

| S.No. | Task Type | Task Code  | Task Name | Notify Success           | Notify Failure           | Move Group | Group Sequence | Move Task | Action   |
|-------|-----------|------------|-----------|--------------------------|--------------------------|------------|----------------|-----------|----------|
| 1     | Custom    | POWERSHELL | Clone     | <input type="checkbox"/> | <input type="checkbox"/> | ↓          | 1              | ↕         | 🔍 📄 🗑️ 🔄 |

**Save**

Figure 89 – Task View

- f. Click Save. A confirmation message appears as below:

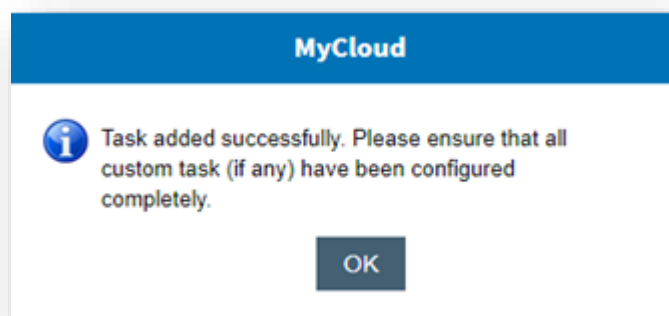


Figure 90 – Success Message

- g. Click OK.

All the fields marked with asterisk (\*) are mandatory.

– **Success notification:**

In case of integration with the third party ITSM tools, you can configure success of each selected task to make it ITIL compliant integration process.

Notify Success function will help to notify the enterprise tool (e.g., itsm tool) about the success of the task. Notify success will notify ITSM tool that the task is successfully executed by MyCloud and can be closed by ITSM.

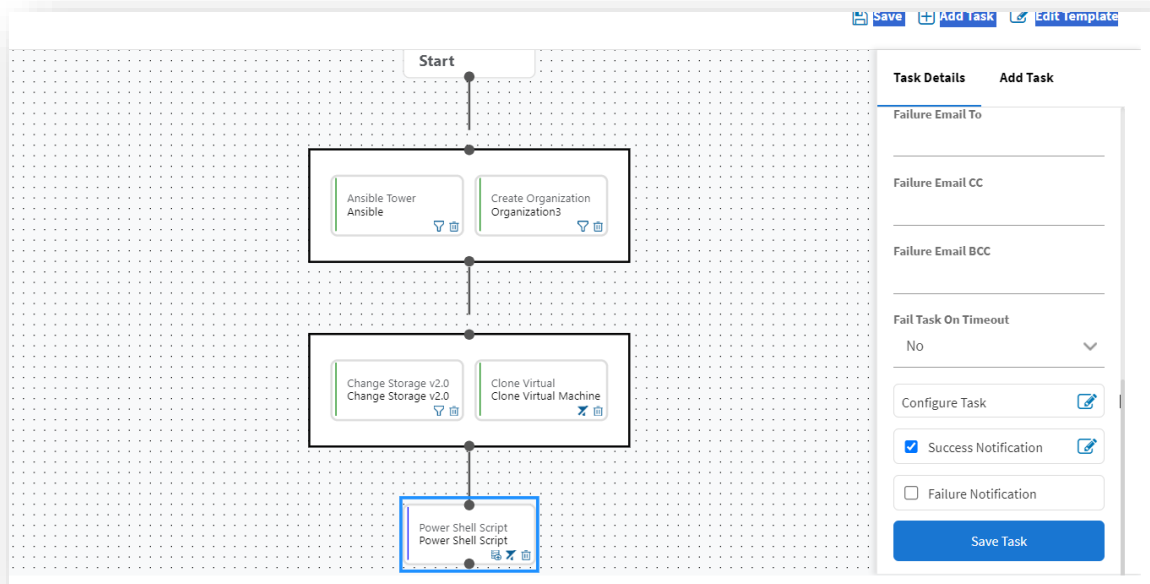


Figure 91 – Success Notification

- h. Click on the Success Notification icon (📝) to execute it on the successful completion of the task in orchestrator engine of MyCloud.

The following window pops up where a user can configure the request and response in JSON through which MyCloud notifies the ITSM tool regarding the completion of a specific task.

The screenshot shows the 'Notify Success' configuration window in the MyCloud interface. At the top, there's a header 'MyCloud'. Below it, the title 'Notify Success' is displayed. The form includes a 'Name' input field and a 'Service Name' dropdown menu. Below these are two large text areas for 'Request JSON' and 'Response JSON', each with an information icon. To the right of the 'Request JSON' area is a 'Configure Request Parameter' button. To the right of the 'Response JSON' area is a 'Configure Response Parameter' button. At the bottom center of the form is a 'Submit' button.

Figure 92 – Notify Success

- i. Enter the **Name** of the configuration.
- j. Select the **Service Name** from the drop-down.  
The drop-down lists all the ITSM configuration end points.
- k. **Request JSON**: Populate the field with a valid Request JSON.

It is a mandatory field and accepted by ITSM tool to close the task at its end. If it is a dynamic value (dynamic UI and captured by requester) then it needs to get communicated between MyCloud and ITSM tool. In such a case, request JSON values need to be mentioned with prefix “@”.

Request JSON format example:

```
{
  "Key1": "@Value1",
  "Key2": [{"k1": "@v1"}],
  "Key3": {"k2": "@v2"},
  "Key4": "@OperationRequestDetailId"
}
```

- l. After adding Valid Request JSON, click on Configure Request Parameter.

All dynamic parameters will get displayed under Request Parameter Mapping.

| Parameter Name            | Data Type  | Parameter Value |
|---------------------------|------------|-----------------|
| @VALUE1                   | --Select-- | --Select--      |
| @V1                       | --Select-- | --Select--      |
| @V2                       | --Select-- | --Select--      |
| @OPERATIONREQUESTDETAILID | --Select-- | --Select--      |

Figure 93 – Request Parameter Mapping

- m. Configure the Parameter Values.
- n. **Response JSON**: Populate the field with a valid Response JSON.

It is an optional parameter and provided by ITSM tool (JSON) to MyCloud. Through this, MyCloud understands whether a task has been completed or not.

Example of Response JSON:

```
{
  "Key1": "@Value1",
  "Key2": [{"k1": "@v1"}],
  "Key3": {"k2": "@v2"}
}
```

- o. Click on Configure Response Parameter.

| Parameter Name            | Data Type | Parameter Value |
|---------------------------|-----------|-----------------|
| @Value1                   | -Select-  | -Select-        |
| @v1                       | -Select-  | -Select-        |
| @v2                       | -Select-  | -Select-        |
| @OperationRequestDetailId | -Select-  | -Select-        |

Response JSON

```
{
  "Key1": "@Value1",
  "Key2": [{"k1": "@v1"},
  "Key3": [{"k2": "@v2"},
  "Key4": "@OperationRequestDetailId"
}
```

Configure Response Parameter

Success Criteria

| Parameters | Response Type | Value |
|------------|---------------|-------|
| @Value1    | Static        |       |

Submit

Figure 94 – Configure Response Parameter

- p. Clicking on **Configure Response Parameter** button displays the Success Criteria section and all the dynamic parameters prefixed with “@” in response JSON are displayed under Parameter Mapping.
  - q. **Success Criteria:** In this section, user defines, which parameter and corresponding value of MyCloud can mark task as completed from ITSM engine response.
  - r. **Response Type:** There are two types of response:
    - o **Static:** In case of Static response, predefined key, and its value for e.g., “Status” =” OK” of ITSM engine response will communicate to MyCloud to mark ITSM task (success/Failure) in MyCloud to close the task.
    - o **Dynamic:** In case of Dynamic response, ITSM tool will use the incident number to communicate with MyCloud for marking the ITSM task as closed.
  - s. **Value:** Enter the Parameter Value.
  - t. Click **Submit**.
- **Failure Notification:**
- In case of integration with third party ITSM Tools, configuring notification around “Failure of Tasks” will make the integration process an ITIL compliant.
- This option is being used for notifying the ITSM Tools to act when a task fails in MyCloud.
- u. Clicking the checkbox ensures that it will get executed on the failure of added tasks.
  - v. Clicking on icon (  ) results in a window that pops up where a user can Add/Configure the process which will get executed in ITSM tool.
  - w. Please follow the similar steps as explained for Success Notification to configure Notify Failure.

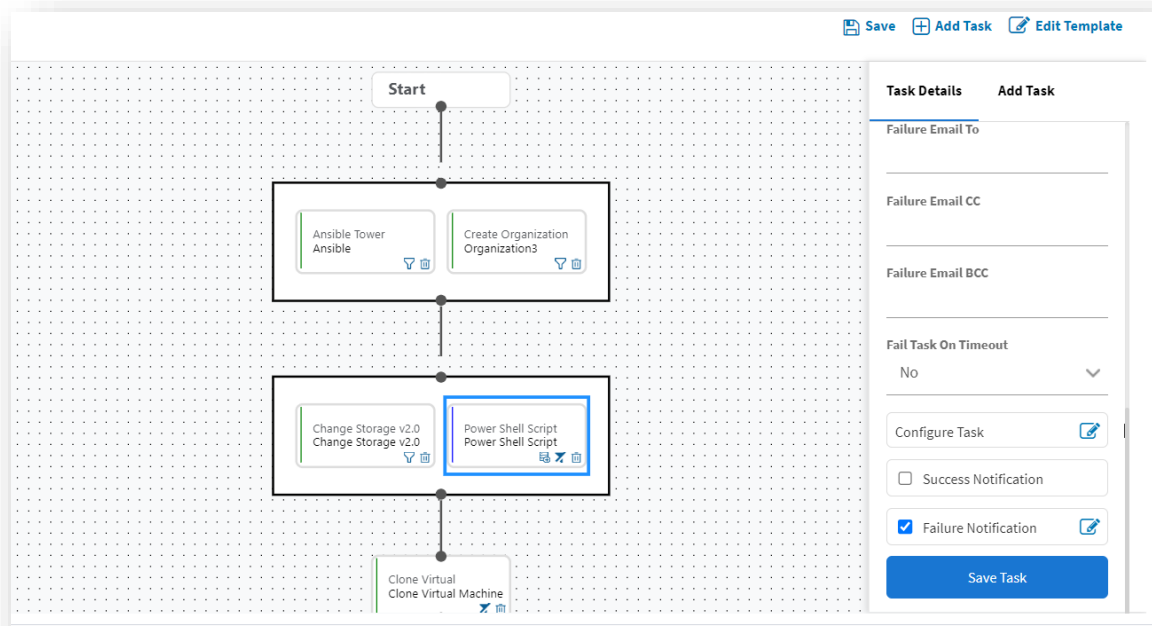


Figure 95 – Failure Notification

## 5.4 MyCloud Predefined SQL Function List

Table 181 - MyCloud Predefined SQL Function List

| S. No. | Function Name                     | Description                                                                                     |
|--------|-----------------------------------|-------------------------------------------------------------------------------------------------|
| 1      | @@fnGetAPIUserName                | This function provides the API username to access MyCloud API's.                                |
| 2      | @@fnGetAPIUserPassword            | This function provides the API password name to access MyCloud API's.                           |
| 3      | @@fnGetARMAzureSubscriptionID     | This function provides the ARM endpoint subscription ID.                                        |
| 4      | @@fnGetARMClientSecretKey         | This function provides the ARM endpoint client secret key.                                      |
| 5      | @@fnGetARMNativClientID           | This function provides the ARM endpoint Native clientID.                                        |
| 6      | @@fnGetARMTenantID                | This function provides the ARM endpoint tenant ID                                               |
| 7      | @@fnGetAWSAccessKey               | This function provides the AWS endpoint access key                                              |
| 8      | @@fnGetAWSAccountNo               | This function provides the AWS endpoint account no.                                             |
| 9      | @@fnGetAWSSecretKey               | This function provides the AWS endpoint secret key.                                             |
| 10     | @@fnGetBladeLogicPlatformPassword | This function provides the Bladelogic platform password associated with end point of a request. |
| 11     | @@fnGetBladeLogicPlatformUserName | This function provides the Bladelogic platform username associated with end point of a request. |
| 12     | @@fnGetChefPlatformPassword       | This function provides the CHEF platform password associated with end point of a request.       |

| S. No. | Function Name                 | Description                                                                                               |
|--------|-------------------------------|-----------------------------------------------------------------------------------------------------------|
| 13     | @@fnGetChefPlatformUserName   | This function provides the CHEF platform username associated with end point of a request.                 |
| 14     | @@fnGetComponentPassword      | This function provides password to access component API of MyCloud.                                       |
| 15     | @@fnGetComponentUserName      | This function provides username to access component API of MyCloud.                                       |
| 16     | @@fnGetGetDomainName          | This function provides the domain name of organization of a request.                                      |
| 17     | @@fnGetGetDomainPassword      | This function provides the domain password of organization of a request.                                  |
| 18     | @@fnGetGetDomainUserID        | This function provides the domain userID of organization of a request.                                    |
| 19     | @@fnGetOrgEntityID            | This function provides the OrgEntityId of Organization against the request.                               |
| 20     | @@fnGetPlatformEntityID       | This function provides Platform/Endpoint Entity Id associated with request.                               |
| 21     | @@fnGetPUPPETPlatformPassword | This function provides the PUPPET platform password associated with end point of a request.               |
| 22     | @@fnGetPUPPETPlatformUserName | This function provides the PUPPET platform username associated with end point of a request.               |
| 23     | @@fnGetSCCMPlatformPassword   | This function provides the SCCM platform password associated with end point of a request.                 |
| 24     | @@fnGetSCCMPlatformUserName   | This function provides the SCCM platform User Name associated with end point of a request.                |
| 25     | @@fnGetSCVMDomain             | This function provides the SCVM Domain Name associated with a request.                                    |
| 26     | @@fnGetSCVMPassword           | This function provides the SCVM Password associated with a request.                                       |
| 27     | @@fnGetSCVMPort               | This function provides SCVMM server with a port number                                                    |
| 28     | @@fnGetSCVMServerURL          | This function provides the SCVM server URL associated with a request.                                     |
| 29     | @@fnGetSCVMUserName           | This function provides the SCVM user name associated with a request.                                      |
| 30     | @@fnGetSRRequestno            | This function provides complete request no.                                                               |
| 31     | @@fnGetTemplateName           | This function provides template name associated of request.                                               |
| 32     | @@fnGetVMPassword             | This function provides default password which will create on newly added virtual machine through MYCLOUD. |

| S. No. | Function Name                           | Description                                                                                                 |
|--------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------|
| 33     | @@fnGetVMUserName                       | This function provides default username which will create on newly added virtual machine through MYCLOUD.   |
| 34     | @@fnGetVMWARPassword                    | This function provides the vcenter server password and it is encrypted associated with VMWAR endpoint.      |
| 35     | @@fnGetVMWARServerURL                   | This function provides the vcenter server url associated with VMWAR endpoint.                               |
| 36     | @@fnGetVMWARTemplatePath                | This function provides the vCenter template path where all the client's templates are store VMWAR endpoint. |
| 37     | @@ fnGetVMWARUserName                   | This function provides vcenter server user name.                                                            |
| 38     | @@fnGetWebAPIUrl                        | This function provides MyCloud web API hosted URL.                                                          |
| 39     | @@fnGetGCPClientEmail                   | This function provides the GCP endpoint Client Email.                                                       |
| 40     | @@fnGetGCPPrivateKey                    | This function provides the GCP endpoint private key.                                                        |
| 41     | @@fnGetGCPPrivateKeyId                  | This function provides the GCP endpoint private key id.                                                     |
| 42     | @@fnGetGCPProjectId                     | This function provides the GCP endpoint project id.                                                         |
| 43     | @@fnGetGCPScopeURL                      | This function provides the GCP endpoint scope url.                                                          |
| 44     | @@fnGetGCPTokenURL                      | This function provides the GCP endpoint token url.                                                          |
| 45     | @@fnGetVMWARLocationName                | This function provides VMWAR endpoint Location.                                                             |
| 46     | @@fnGetVMWARRegionName                  | This function provides VMWAR endpoint Region.                                                               |
| 47     | @@fnGetGeneratedVMName                  | This function provides VM name associated of request.                                                       |
| 48     | @@fnGetServiceCatalogID                 | This function provides the service catalog id.                                                              |
| 49     | @@fnGetRunOnceCommand                   | This function provides the run once command.                                                                |
| 50     | @@fnGETXMLForRequestDetail              | This function provides the xml for request detail.                                                          |
| 51     | @@fnGetItemNo                           | This function provides the Item no.                                                                         |
| 52     | @@fnGetAnsibleConfiguration             | This function provides the ansible configuration details.                                                   |
| 53     | @@fnGetGitRepositoryPath                | This function provides the GIT repository path.                                                             |
| 54     | @@fnGetGitUserName                      | This function provides the GIT username.                                                                    |
| 55     | @@fnGetGitPassword                      | This function provides the GIT password.                                                                    |
| 56     | @@fnGetTerraformBackendBucketName       | This function provides the Terraform Bucket Name.                                                           |
| 57     | @@ fnGetTerraformBackendBucketRegion    | This function provides the Terraform bucket region.                                                         |
| 58     | @@ fnGetTerraformBackendBucketAccesskey | This function provides the Terraform endpoint client Access key.                                            |
| 59     | @@ fnGetTerraformBackendBucketSecretkey | This function provides the Terraform endpoint client secret key.                                            |
| 60     | @@ fnGetGitRepositoryType               | This function provides the GIT repository types.                                                            |
| 61     | @@ fnGetTerraformParentWorkingDirectory | This function provides the Terraform working directory.                                                     |
| 62     | @@fnGetTagJson                          | This function provides the TAG json for Request.                                                            |

| S. No. | Function Name                  | Description                                                     |
|--------|--------------------------------|-----------------------------------------------------------------|
| 63     | @@fnGetCatalogName             | This function provides the service catalog name.                |
| 64     | @@fnGetSRNumber                | This function provides the request SR Number.                   |
| 65     | @@fnGetAzureCustomImagePath    | This function provides the Azure Custom Image Complete Path.    |
| 66     | @@fnGetProviderAPIUserName     | This function provides the provider API user password.          |
| 67     | @@fnGetUCSDConfiguration       | This Function provides the UCSD Configuration details.          |
| 68     | @@ fnGetObjectID               | This function provides the Object id of CI.                     |
| 69     | @@ fnGetPowerStatus            | This function provides the Power Status of CI.                  |
| 70     | @@ fnGetResourceGroup          | This function provides the Resource Group of CI.                |
| 71     | @@ fnGetDataCenterName         | This function provides the Data Center Name of CI.              |
| 72     | @@ fnGetCIRegionName           | This function provides the Region Name of CI.                   |
| 73     | @@ fnGetCILocationName         | This function provides the Location Name of CI.                 |
| 74     | @@fnGetMachinename             | This function provides the Machine Name of CI.                  |
| 75     | @@fnGetIntersightConfiguration | This function provides the CONFIGURATION of CI.                 |
| 76     | @fnGetOCPApiVersion            | This function provides the OCP API version.                     |
| 77     | @FnGetOCPNameSpaceUID          | This function provides the OCP NameSpaceUID.                    |
| 78     | @fnGetOCPPassword              | This function provides the OCP endpoint Password.               |
| 79     | @fnGetOCPUserName              | This function provides the OCP endpoint Username.               |
| 80     | @fnGetOCPVMLabels              | This function provides the OCP Label.                           |
| 81     | @fnGetOCPVMNetworkDetails      | This function provides the OCP Virtual Machine Network Details. |
| 82     | @fnGetOCPVMTemplateOS          | This function provides the OCP Template OS.                     |
| 83     | @fnGetOCPVMType                | This function provides the OCP VM Type.                         |
| 84     | @GetOCPJobTypeCodeURL          | This function provides the OCP Jobtype Code URL.                |
| 85     | @GetOCPTokenURL                | This function provides the OCP Token URL.                       |

## 5.5 Generic Tasks

The section lists out all the generic tasks of MyCloud based on Platform.

Table 182 - Generic Task List

| Platform            | Task Name     | Task Description                                                                                                                               |
|---------------------|---------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Amazon Web Services | Add Disk      | Attaches an EBS volume to a running or stopped instance and exposes it to the instance with the specified device name.                         |
| Amazon Web Services | Add Disk v2.0 | Attaches an EBS volume to a running or stopped instance and exposes it to the instance with the specified device name. (Using custom controls) |

| Platform            | Task Name                            | Task Description                                                                                                                     |
|---------------------|--------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Amazon Web Services | Ansible Tower                        | Executes a specified Ansible Job.                                                                                                    |
| Amazon Web Services | AWS Clone Kubernetes Cluster         | Reboot EC2 Instance Creates an Amazon EKS control plane.                                                                             |
| Amazon Web Services | AWS Delete Kubernetes Cluster        | Deletes the Amazon EKS cluster control plane.                                                                                        |
| Amazon Web Services | AWS Kubernetes Cluster Add Node Pool | Creates a managed node group for an Amazon EKS cluster.                                                                              |
| Amazon Web Services | AWS Kubernetes Delete Node Pool      | Deletes an Amazon EKS node group for a cluster.                                                                                      |
| Amazon Web Services | AWS Resize Node Pool                 | Updates an Amazon EKS managed node group configuration.                                                                              |
| Amazon Web Services | Cancel Update Stack                  | Cancels an update on the specified stack.                                                                                            |
| Amazon Web Services | Change Role Size                     | Modifies the instance Type attribute of the specified instance.                                                                      |
| Amazon Web Services | Change Server Size                   | No Such Method in All XaaS.                                                                                                          |
| Amazon Web Services | Clone Instance                       | Create EC2 instances.                                                                                                                |
| Amazon Web Services | Clone Instance v2.0                  | Create EC2 instances (using custom UI Controls). Enabled new task parameter "UseData" to utilize in clone instance.                  |
| Amazon Web Services | Create Organization                  | Onboard Organization in System                                                                                                       |
| Amazon Web Services | Create Provider                      | Onboard Tenant in System                                                                                                             |
| Amazon Web Services | Create Provider User                 | Onboard Tenant User in System                                                                                                        |
| Amazon Web Services | Create Stack                         | Creates a stack as specified in the template.                                                                                        |
| Amazon Web Services | Decommission CI                      | This Task will Decommission CI from MyCloud CI Repository.                                                                           |
| Amazon Web Services | Delete Disk                          | Updates an Amazon EKS managed node group configuration.                                                                              |
| Amazon Web Services | Delete Stack                         | Deletes a specified stack.                                                                                                           |
| Amazon Web Services | Deploy Blueprint                     | It is used deploy a blueprint and once all task (Execute terraform, of blueprint close a DIT will close once all task are completed. |
| Amazon Web Services | Describe Stack Events                | Returns all stack related events for a specified stack in reverse chronological order.                                               |
| Amazon Web Services | Describe Stack Resource              | Returns a description of the specified resource in the specified stack.                                                              |
| Amazon Web Services | Describe Stack Resources             | Returns AWS resource descriptions for running and deleted stacks.                                                                    |

| Platform            | Task Name                            | Task Description                                                                                                                                                |
|---------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Amazon Web Services | Describe Stacks                      | Returns the description for the specified stack; if no stack name was specified, then it returns the description for all the stacks created.                    |
| Amazon Web Services | Detach and Delete Disk               | Detaches an EBS volume from an instance and deletes the specified disk.                                                                                         |
| Amazon Web Services | Execute BigFix Action                | Execute BigFix action on object.                                                                                                                                |
| Amazon Web Services | Execute Blueprint Ansible            | This task will perform the execution of the Ansible runbook that's set up on the blueprint within the Ansible server, depending on the chosen Ansible endpoint. |
| Amazon Web Services | Execute Blueprint AWS Intersight     | This task will perform the execution of the Cisco workflow that's set up on the blueprint, depending on the chosen Cisco Intersight endpoint.                   |
| Amazon Web Services | Execute Blueprint GIT Terraform file | This task will perform the execution of the GIT terraform file from chosen GIT endpoint on the chosen provisioning platform endpoint.                           |
| Amazon Web Services | Execute Blueprint Terraform          | This task will perform the execution of the terraform file created from blueprint, depending on the chosen provisioning platform endpoint.                      |
| Amazon Web Services | Execute Intersight Workflow          | Execute the Intersight Workflow.                                                                                                                                |
| Amazon Web Services | Execute Packer Git                   | This task is used to execute packer template through GIT.                                                                                                       |
| Amazon Web Services | Execute Packer Local                 | This task is used to execute local packer template.                                                                                                             |
| Amazon Web Services | Execute Terraform from GIT           | Call Terraform Script from GIT. Enabled execution of task with different version of terraform from provided list.                                               |
| Amazon Web Services | Execute Terraform from Local Server  | Call Terraform Script from Specified Path.                                                                                                                      |
| Amazon Web Services | Get BigFix Computer ID               | Fetching Computer ID to take an action.                                                                                                                         |
| Amazon Web Services | Insert CI                            | This Task will Create/Insert new CI in MyCloud CI Repository.                                                                                                   |
| Amazon Web Services | List Stack Other Resources           | Returns descriptions of all resources of the specified stack.                                                                                                   |
| Amazon Web Services | List Stack Resources                 | Returns descriptions of all resources which are demanded as per request of the specified stack.                                                                 |
| Amazon Web Services | Manage Tags                          | Describes the specified tags for your EC2 resources.                                                                                                            |

| Platform            | Task Name                                 | Task Description                                                                                                                   |
|---------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Amazon Web Services | MyCloud Ansible                           | Executes a specified Ansible Job which is defined in MyCloud Repository.                                                           |
| Amazon Web Services | Power Shell Script                        | Executes Custom Powershell Script configured with task.                                                                            |
| Amazon Web Services | Powershell GIT                            | Executes Custom Powershell Script which is stored in Github.                                                                       |
| Amazon Web Services | Python GIT                                | Executes Custom Python Script which is stored in Github.                                                                           |
| Amazon Web Services | Python Script                             | Executes Custom Python Script configured with task.                                                                                |
| Amazon Web Services | Reboot Instance                           | Requests a reboot of the specified instances.                                                                                      |
| Amazon Web Services | Release IP                                | This is used to release IP.                                                                                                        |
| Amazon Web Services | Remove Disk                               | Detaches an EBS volume from an instance.                                                                                           |
| Amazon Web Services | Remove Disk v2.0                          | Detaches an EBS volume from an instance. (Using custom controls)                                                                   |
| Amazon Web Services | Send Email                                | Send Email.                                                                                                                        |
| Amazon Web Services | Start Instance                            | Starts an Amazon EBS-backed instance.                                                                                              |
| Amazon Web Services | Stop Instance                             | Stops an Amazon EBS-backed instance.                                                                                               |
| Amazon Web Services | Terminate Instance                        | Shuts down the specified instances. This operation is idempotent; if you terminate an instance more than once, each call succeeds. |
| Amazon Web Services | Trigger Sync Job                          | This task is used to trigger sync job.                                                                                             |
| Amazon Web Services | UCSD Workflow                             | Executes defined Cisco UCSD Workflow.                                                                                              |
| Amazon Web Services | Update CI                                 | This Task will Update CI in MyCloud CI Repository.                                                                                 |
| Amazon Web Services | Update Stack                              | Updates a stack as specified in the template.                                                                                      |
| Microsoft Azure     | Add Disk                                  | Attach a new managed data disk to a Windows virtual machine (VM) by using the Azure portal.                                        |
| Microsoft Azure     | Add Node Pool                             | Creates a node pool for a cluster.                                                                                                 |
| Microsoft Azure     | Add Tags                                  | MetaData elements apply to resource.                                                                                               |
| Microsoft Azure     | Ansible Tower                             | Executes a specified Ansible Job.                                                                                                  |
| Microsoft Azure     | ARM Clone Kubernetes Cluster              | Create a new zonal cluster with the default node pool.                                                                             |
| Microsoft Azure     | Attach Virtual Machine from Load Balancer | Attach virtual machine to load balancer.                                                                                           |
| Microsoft Azure     | Change Role Size                          | Change size of Virtual machine.                                                                                                    |
| Microsoft Azure     | Clone Virtual Machine                     | Provisioning Virtual machine.                                                                                                      |

| Platform        | Task Name                                 | Task Description                                                                                                                                                |
|-----------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Microsoft Azure | Clone Virtual Machine v2.0                | Provisioning Virtual machine with Mycloud custom control.                                                                                                       |
| Microsoft Azure | Create Load Balancer                      | Provisioning load balancer.                                                                                                                                     |
| Microsoft Azure | Create Organization                       | Onboard Organization in System                                                                                                                                  |
| Microsoft Azure | Create Provider                           | Onboard Tenant in System                                                                                                                                        |
| Microsoft Azure | Create Provider User                      | Onboard Tenant User in System                                                                                                                                   |
| Microsoft Azure | Create Public IP                          | Create Public Ip.                                                                                                                                               |
| Microsoft Azure | Deallocate Virtual Machine                | Make machine deallocated state.                                                                                                                                 |
| Microsoft Azure | Decommission CI                           | This Task will Decommission CI from MyCloud CI Repository.                                                                                                      |
| Microsoft Azure | Delete Cluster                            | Remove Cluster.                                                                                                                                                 |
| Microsoft Azure | Delete Disk                               | Delete Disk.                                                                                                                                                    |
| Microsoft Azure | Delete Load Balancer                      | Remove Load balancer from subscription.                                                                                                                         |
| Microsoft Azure | Delete Node Pool                          | Remove node pool from cluster delete.                                                                                                                           |
| Microsoft Azure | Delete Public IP                          | Delete Public IP.                                                                                                                                               |
| Microsoft Azure | Delete Virtual Machine                    | Remove Virtual Machine from subscription.                                                                                                                       |
| Microsoft Azure | Deploy Blueprint                          | It is used deploy a blueprint and once all task (Execute terraform, of blueprint close and it will close once all task are completed.                           |
| Microsoft Azure | Detach and Delete Disk                    | Detach and then delete disks from Virtual Machine.                                                                                                              |
| Microsoft Azure | Detach Virtual Machine from Load Balancer | Remove Virtual Machin from Load Balancer.                                                                                                                       |
| Microsoft Azure | Execute BigFix Action                     | Execute BigFix action on object.                                                                                                                                |
| Microsoft Azure | Execute Blueprint Ansible                 | This task will perform the execution of the Ansible runbook that's set up on the blueprint within the Ansible server, depending on the chosen Ansible endpoint. |
| Microsoft Azure | Execute Blueprint ARM Intersight          | This task will perform the execution of the Cisco workflow that's set up on the blueprint, depending on the chosen Cisco Intersight endpoint.                   |
| Microsoft Azure | Execute Blueprint GIT Terraform file      | This task will perform the execution of the GIT terraform file from chosen GIT endpoint on the chosen provisioning platform endpoint.                           |
| Microsoft Azure | Execute Blueprint Terraform               | This task will perform the execution of the terraform file created from blueprint, depending on the chosen provisioning platform endpoint.                      |
| Microsoft Azure | Execute Intersight Workflow               | Execute the Intersight Workflow.                                                                                                                                |

| Platform              | Task Name                           | Task Description                                                                          |
|-----------------------|-------------------------------------|-------------------------------------------------------------------------------------------|
| Microsoft Azure       | Execute Packer Git                  | This task is used to execute packer template through git.                                 |
| Microsoft Azure       | Execute Packer Local                | This task is used to execute local packer template.                                       |
| Microsoft Azure       | Execute Terraform from GIT          | Call Terraform Script from GIT.                                                           |
| Microsoft Azure       | Execute Terraform from Local Server | Call Terraform Script from Specified Path.                                                |
| Microsoft Azure       | Get BigFix Computer ID              | Fetching Computer ID to take an action.                                                   |
| Microsoft Azure       | Insert CI                           | This Task will Create/Insert new CI in MyCloud CI Repository.                             |
| Microsoft Azure       | Manage Private IP                   | Manage Private IP.                                                                        |
| Microsoft Azure       | Manage Tags                         | Add and Update Tags.                                                                      |
| Microsoft Azure       | MyCloud Ansible                     | Executes a specified Ansible Job which is defined in MyCloud Repository.                  |
| Microsoft Azure       | Power Shell Script                  | Executes Custom Powershell Script configured with task.                                   |
| Microsoft Azure       | Powershell GIT                      | Executes Custom Powershell Script which is stored in Github.                              |
| Microsoft Azure       | Python GIT                          | Executes Custom Python Script which is stored in Github.                                  |
| Microsoft Azure       | Python Script                       | Executes Custom Python Script configured with task.                                       |
| Microsoft Azure       | Reboot Virtual Machine              | Stop and then start a Virtual Machine.                                                    |
| Microsoft Azure       | Release IP                          | This is used to release IP.                                                               |
| Microsoft Azure       | Remove Disk                         | Detach/delete disks from Virtual Machine.                                                 |
| Microsoft Azure       | Remove Disk v2.0                    | Detach/delete disks from Virtual Machine using Custom Control.                            |
| Microsoft Azure       | Resize Node Pool                    | Change size of Node Pool.                                                                 |
| Microsoft Azure       | Send Email                          | Send Email.                                                                               |
| Microsoft Azure       | Start Virtual Machine               | Start a stopped virtual machine.                                                          |
| Microsoft Azure       | Stop Virtual Machine                | Stop a started virtual machine.                                                           |
| Microsoft Azure       | Update CI                           | This task will update in CI in My Cloud CI Repository                                     |
| Microsoft Azure       | Trigger Sync Job                    | This task is used to trigger sync job.                                                    |
| Microsoft Azure       | UCSD Workflow                       | Executes defined Cisco UCSD Workflow.                                                     |
| Google Cloud Platform | Add Additional Disk                 | This task creates compute engine persistent disks and attach to virtual machine instance. |
| Google Cloud Platform | Add Tags                            | This task add labels to virtual machine instances.                                        |
| Google Cloud Platform | Ansible Tower                       | Executes a specified Ansible Job.                                                         |

| Platform              | Task Name                            | Task Description                                                                                                                                                |
|-----------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Google Cloud Platform | Change Role Size                     | Set machine type for Compute Engine virtual machines.                                                                                                           |
| Google Cloud Platform | Clone Deployment                     | Create Compute Engine virtual machine instances using Deployment Manager.                                                                                       |
| Google Cloud Platform | Clone Instance                       | Create Compute Engine virtual machine instances.                                                                                                                |
| Google Cloud Platform | Create Organization                  | Onboard Organization in System                                                                                                                                  |
| Google Cloud Platform | Create Provider                      | Onboard Tenant in System                                                                                                                                        |
| Google Cloud Platform | Create Provider User                 | Onboard Tenant User in System                                                                                                                                   |
| Google Cloud Platform | Decommission CI                      | This Task will Decommission CI from MyCloud CI Repository.                                                                                                      |
| Google Cloud Platform | Delete Instance                      | This task is used to delete a virtual machine in GCP environment.                                                                                               |
| Google Cloud Platform | Deploy Blueprint                     | It is used deploy a blueprint and once all task (Execute terraform, of blueprint close and it will close once all task are completed.                           |
| Google Cloud Platform | Deployment Manager                   | Execute Deployment Manager.                                                                                                                                     |
| Google Cloud Platform | Detach And Delete Disk               | Detach and then delete disks from Compute Engine virtual machine instances.                                                                                     |
| Google Cloud Platform | Execute BigFix Action                | Execute bigfix action on object.                                                                                                                                |
| Google Cloud Platform | Execute Blueprint Ansible            | This task will perform the execution of the Ansible runbook that's set up on the blueprint within the Ansible server, depending on the chosen Ansible endpoint. |
| Google Cloud Platform | Execute Blueprint GCP Intersight     | This task will perform the execution of the Cisco workflow that's set up on the blueprint, depending on the chosen Cisco Intersight endpoint.                   |
| Google Cloud Platform | Execute Blueprint GIT Terraform file | This task will perform the execution of the GIT terraform file from chosen GIT endpoint on the chosen provisioning platform endpoint.                           |
| Google Cloud Platform | Execute Blueprint Terraform          | This task will perform the execution of the terraform file created from blueprint, depending on the chosen provisioning platform endpoint.                      |
| Google Cloud Platform | Execute Intersight Workflow          | Execute the Intersight Workflow.                                                                                                                                |
| Google Cloud Platform | Execute Packer Git                   | This task is used to execute packer template through git.                                                                                                       |
| Google Cloud Platform | Execute Packer Local                 | This task is used to execute local packer template.                                                                                                             |
| Google Cloud Platform | Execute Terraform from GIT           | Call Terraform Script from GIT.                                                                                                                                 |

| Platform              | Task Name                           | Task Description                                                                                                  |
|-----------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Google Cloud Platform | Execute Terraform from Local Server | Call Terraform Script from Specified Path.                                                                        |
| Google Cloud Platform | GCP Clone Cluster                   | Creates a zonal/regional cluster, consisting of the specified number and type of Google Compute Engine instances. |
| Google Cloud Platform | GCP Create Node Pool                | Creates a node pool for a cluster.                                                                                |
| Google Cloud Platform | GCP Delete Cluster                  | Deletes the cluster, including the Kubernetes endpoint and all worker nodes.                                      |
| Google Cloud Platform | GCP Delete Node Pool                | Deletes a node pool from a cluster.                                                                               |
| Google Cloud Platform | GCP Resize Node Pool                | Increase or decrease the node pool from a cluster to accommodate the workload.                                    |
| Google Cloud Platform | Get BigFix Computer ID              | Fetching Computer ID to take an action.                                                                           |
| Google Cloud Platform | Insert CI                           | This Task will Create/Insert new CI in MyCloud CI Repository.                                                     |
| Google Cloud Platform | Manage IP Alias                     | Specifies the IP alias ranges to allocate for the subnet.                                                         |
| Google Cloud Platform | Manage Metadata                     | Add or update instance metadata.                                                                                  |
| Google Cloud Platform | Manage Service Account              | Set a service account and access scopes for a Compute Engine VM instance.                                         |
| Google Cloud Platform | Manage Tags                         | Add/update labels to Compute Engine virtual machine instances.                                                    |
| Google Cloud Platform | MyCloud Ansible                     | Executes a specified Ansible Job which is defined in MyCloud Repository.                                          |
| Google Cloud Platform | Power Shell Script                  | Executes Custom Powershell Script configured with task.                                                           |
| Google Cloud Platform | Powershell GIT                      | Executes Custom Powershell Script which is stored in Github.                                                      |
| Google Cloud Platform | Python GIT                          | Executes Custom Python Script which is stored in Github.                                                          |
| Google Cloud Platform | Python Script                       | Executes Custom Python Script configured with task.                                                               |
| Google Cloud Platform | RebootVM                            | Stop and then start a virtual machine instance.                                                                   |
| Google Cloud Platform | Release IP                          | This is used to release IP.                                                                                       |
| Google Cloud Platform | RemoveDisk                          | Detach disks from Compute Engine virtual machine instances.                                                       |
| Google Cloud Platform | Reset Instance                      | This task Reset virtual machine instance.                                                                         |
| Google Cloud Platform | Send Email                          | Send Email.                                                                                                       |
| Google Cloud Platform | Start Instance                      | Start a stopped virtual machine instance.                                                                         |
| Google Cloud Platform | Static IP                           | Reserve external IP addresses.                                                                                    |

| Platform                  | Task Name                  | Task Description                                                                                                                                                                                                                                                                                                                                      |
|---------------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Google Cloud Platform     | Static IP Interval         | Reserve internal Ip addresses.                                                                                                                                                                                                                                                                                                                        |
| Google Cloud Platform     | Stop Instance              | Stop a started virtual machine instance.                                                                                                                                                                                                                                                                                                              |
| Google Cloud Platform     | Trigger Sync Job           | This task is used to trigger sync job                                                                                                                                                                                                                                                                                                                 |
| Google Cloud Platform     | UCSD Workflow              | Executes defined Cisco UCSD Workflow.                                                                                                                                                                                                                                                                                                                 |
| Google Cloud Platform     | Update CI                  | This task will update CI in MyCloud CI Repository                                                                                                                                                                                                                                                                                                     |
| Compute on Demand-vCenter | Ansible Tower              | This task will execute Ansible runbook on Ansible server.                                                                                                                                                                                                                                                                                             |
| Compute on Demand-vCenter | Change Storage             | Add disk to Virtual Machine.                                                                                                                                                                                                                                                                                                                          |
| Compute on Demand-vCenter | Change Storage v2.0        | Add disk to Virtual Machine using Custom control.                                                                                                                                                                                                                                                                                                     |
| Compute on Demand-vCenter | Change Storage v2.1        | added functionality to add a disk add any ISCSI.                                                                                                                                                                                                                                                                                                      |
| Compute on Demand-vCenter | Clone Virtual Machine      | This task is for provision of virtual machine on vCenter along with execution of run once command. It also add custom attributes on provisioned virtual machine.                                                                                                                                                                                      |
| Compute on Demand-vCenter | Clone Virtual Machine v2.0 | This task is to provision virtual machine using Custom Control on vCenter along with execution of run once command. It also add custom attributes on provisioned virtual machine.                                                                                                                                                                     |
| Compute on Demand-vCenter | Clone Virtual Machine v2.1 | This task is to provision virtual machine using Custom Control on vCenter along with execution of run once command. It also add custom attributes on provisioned virtual machine<br>""NumberofCoreperSocket"" property can be used to set number of cores per socket for provisioned virtual machine. Additional disk can be added to any scsi index. |
| Compute on Demand-vCenter | Create Organization        | Onboard Organization in System                                                                                                                                                                                                                                                                                                                        |
| Compute on Demand-vCenter | Create Provider            | Onboard Tenant in System                                                                                                                                                                                                                                                                                                                              |
| Compute on Demand-vCenter | Create Provider User       | Onboard Tenant User in System                                                                                                                                                                                                                                                                                                                         |
| Compute on Demand-vCenter | Customize Virtual Machine  | Clone and customize VM (Tool Update,Customize profile update)                                                                                                                                                                                                                                                                                         |

| Platform                  | Task Name                           | Task Description                                                         |
|---------------------------|-------------------------------------|--------------------------------------------------------------------------|
| Compute on Demand-vCenter | Decommission CI                     | This task will decommission CI from MyCloud CI Repository.               |
| Compute on Demand-vCenter | Execute BigFix Action               | Execute bigfix action on object.                                         |
| Compute on Demand-vCenter | Delete Virtual Machine              | This task is used to delete a virtual machine in datacenter.             |
| Compute on Demand-vCenter | Execute Intersight Workflow         | Execute the Intersight Workflow.                                         |
| Compute on Demand-vCenter | Execute Terraform from GIT          | Call Terraform Script from GIT.                                          |
| Compute on Demand-vCenter | Execute Terraform from Local Server | Call Terraform Script from Specified Path.                               |
| Compute on Demand-vCenter | Get BigFix Computer ID              | Fetching Computer ID to take an action.                                  |
| Compute on Demand-vCenter | Get Storage                         | Get disk Information of Virtual Machine.                                 |
| Compute on Demand-vCenter | Get Tag                             | Get Tags of resource.                                                    |
| Compute on Demand-vCenter | Insert CI                           | This task will Create/Insert new CI in MyCloud CI Repository.            |
| Compute on Demand-vCenter | MyCloud Ansible                     | Executes a specified Ansible Job which is defined in MyCloud Repository. |
| Compute on Demand-vCenter | Power Shell Script                  | Executes Custom Powershell Script configured with task.                  |
| Compute on Demand-vCenter | Powershell GIT                      | Executes Custom Powershell Script which is stored in Github.             |
| Compute on Demand-vCenter | Python GIT                          | Executes Custom Python Script which is stored in Github.                 |
| Compute on Demand-vCenter | Python Script                       | Executes Custom Python Script configured with task.                      |
| Compute on Demand-vCenter | Reboot Virtual Machine              | Stop and then start a Virtual Machine.                                   |
| Compute on Demand-vCenter | Release IP                          | This is used to release IP.                                              |
| Compute on Demand-vCenter | Resize Server                       | It used to upgrade/downgrade server.                                     |

| Platform                       | Task Name                  | Task Description                                                                                                                                                    |
|--------------------------------|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Compute on Demand-vCenter      | Resize Server v2.1         | It used to upgrade/downgrade server-Improve logging.                                                                                                                |
| Compute on Demand-vCenter      | Run Power CLI              | It is used run cli method directly on VM.                                                                                                                           |
| Compute on Demand-vCenter      | Send Email                 | Send Email.                                                                                                                                                         |
| Compute on Demand-vCenter      | Shut Down Virtual Machine  | Shut Down Virtual Machine.                                                                                                                                          |
| Compute on Demand-vCenter      | Start Virtual Machine      | Start a stopped virtual machine.                                                                                                                                    |
| Compute on Demand-vCenter      | Stop Virtual Machine       | Stop a started virtual machine.                                                                                                                                     |
| Compute on Demand-vCenter      | Tag Virtual Machine        | Add or Update Tags                                                                                                                                                  |
| Compute on Demand-vCenter      | Trigger Sync Job           | This task is used to trigger sync job.                                                                                                                              |
| Compute on Demand-vCenter      | UCSD Workflow              | Executes defined Cisco UCSD Workflow.                                                                                                                               |
| Compute on Demand-vCenter      | Update CI                  | This task will Update CI in MyCloud Repository                                                                                                                      |
| Compute on Demand-Hyper V 2012 | Add Disk                   | Attach a new managed data disk to a Windows virtual machine (VM) by using the SCVM2 portal.                                                                         |
| Compute on Demand-Hyper V 2012 | Ansible Tower              | Executes a specified Ansible Job.                                                                                                                                   |
| Compute on Demand-Hyper V 2012 | Clone Virtual Machine      | Provisioning Virtual machine.                                                                                                                                       |
| Compute on Demand-Hyper V 2012 | Clone Virtual Machine V2.0 | This task will provision a virtual machine. This method supports provisioning virtual machines through SCVMM (System Center Virtual Machine Manager) 2016 and 2019. |
| Compute on Demand-Hyper V 2012 | Create Organization        | Onboard Organization in System                                                                                                                                      |
| Compute on Demand-Hyper V 2012 | Create Provider            | Onboard Tenant in System                                                                                                                                            |
| Compute on Demand-Hyper V 2012 | Create Provider User       | Onboard Tenant User in System                                                                                                                                       |

| Platform                       | Task Name                                 | Task Description                                                         |
|--------------------------------|-------------------------------------------|--------------------------------------------------------------------------|
| Compute on Demand-Hyper V 2012 | Decommission CI                           | This task will Decommission CI from MyCloud CI Repository.               |
| Compute on Demand-Hyper V 2012 | Delete Virtual Machine                    | Delete Virtual Machine.                                                  |
| Compute on Demand-Hyper V 2012 | Execute BigFix Action                     | Execute bigfix action on object.                                         |
| Compute on Demand-Hyper V 2012 | Execute Intersight Workflow               | Execute the Intersight Workflow.                                         |
| Compute on Demand-Hyper V 2012 | Execute Terraform from GIT                | Call Terraform Script from GIT.                                          |
| Compute on Demand-Hyper V 2012 | Execute Terraform from Local Server       | Call Terraform Script from Specified Path.                               |
| Compute on Demand-Hyper V 2012 | Execute Terraform from MyCloud Repository | Call Terraform script from MyCloud Repository.                           |
| Compute on Demand-Hyper V 2012 | Get BigFix Computer ID                    | Fetching Computer ID to take an action.                                  |
| Compute on Demand-Hyper V2012  | Insert CI                                 | This task will Create/Insert new CI in MyCloud Repository                |
| Compute on Demand-Hyper V 2012 | Manage Tags                               | Add and Update Tags.                                                     |
| Compute on Demand-Hyper V 2012 | MyCloud Ansible                           | Executes a specified Ansible Job which is defined in MyCloud Repository. |
| Compute on Demand-Hyper V 2012 | Power Shell Script                        | Executes Custom Powershell Script configured with task.                  |
| Compute on Demand-Hyper V 2012 | Powershell GIT                            | Executes Custom Powershell Script which is stored in Github.             |
| Compute on Demand-Hyper V 2012 | Python GIT                                | Executes Custom Python Script which is stored in Github.                 |
| Compute on Demand-Hyper V 2012 | Python Script                             | Executes Custom Python Script configured with task.                      |
| Compute on Demand-Hyper V 2012 | Reboot Virtual Machine                    | Stop and then start a Virtual Machine.                                   |
| Compute on Demand-Hyper V 2012 | Release IP                                | This is used to release IP.                                              |
| Compute on Demand-Hyper V 2012 | Remove Disk                               | Detach/delete disks from Virtual Machine.                                |

| Platform                       | Task Name                   | Task Description                                              |
|--------------------------------|-----------------------------|---------------------------------------------------------------|
| Compute on Demand-Hyper V 2012 | Resize Server               | It used to upgrade/downgrade server.                          |
| Compute on Demand-Hyper V 2012 | Send Email                  | Send Emails.                                                  |
| Compute on Demand-Hyper V 2012 | Start Virtual Machine       | Start a stopped virtual machine.                              |
| Compute on Demand-Hyper V 2012 | Stop Virtual Machine        | Stop a started virtual machine.                               |
| Compute on Demand-Hyper V 2012 | Trigger Sync Job            | This Task is used to trigger sync job.                        |
| Compute on Demand-Hyper V 2012 | UCSD Workflow               | Executes defined Cisco UCSD Workflow.                         |
| Compute on Demand-Hyper V 2012 | Update CI                   | This Task will Update CI in MyCloud Repository.               |
| Cisco Intersight               | Ansible Tower               | Executes a specified Ansible Job.                             |
| Cisco Intersight               | Create Organization         | Onboard Organization in System                                |
| Cisco Intersight               | Create Provider             | Onboard Tenant in System                                      |
| Cisco Intersight               | Create Provider User        | Onboard Tenant User in System                                 |
| Cisco Intersight               | Decommission CI             | This Task will Decommission CI from MyCloud CI Repository.    |
| Cisco Intersight               | Execute Intersight Workflow | Execute the Intersight Workflow.                              |
| Cisco Intersight               | Insert CI                   | This Task will Create/Insert new CI in MyCloud CI Repository. |
| Cisco Intersight               | Release IP                  | This Task is used to Release IP.                              |
| Cisco Intersight               | Power Shell Script          | Executes Custom Powershell Script cofigured with task.        |
| Cisco Intersight               | Python Script               | Executes Custom Python Script cofigured with task.            |
| Cisco Intersight               | Trigger Sync Job            | This task is used to trigger sync job.                        |
| Cisco Intersight               | Update CI                   | This Taks will Update CI in MyCloud Repository.               |
| Generic Endpoint               | Amazon Clone VM             | This Task is used to create a Virtual Machine.                |
| Generic Endpoint               | Amazon Delete VM            | This Task is used to delete a Virtual Machine.                |
| Generic Endpoint               | Azure Clone VM              | This Task is used to create a Virtual Machine.                |
| Generic Endpoint               | Azure Delete VM             | This Task is used to delete a Virtual Machine.                |
| Generic Endpoint               | Create Organization         | Onboard Organization in System                                |
| Generic Endpoint               | Create Provider             | Onboard Tenant in System                                      |
| Generic Endpoint               | Create Provider User        | Onboard Tenant User in System                                 |

| Platform         | Task Name                            | Task Description                                                                                                                                                |
|------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Generic Endpoint | Decommission CI                      | This Task will Decommission CI from MyCloud CI Repository.                                                                                                      |
| Generic Endpoint | Deploy ARM Blueprint                 | Execute ARM blueprint                                                                                                                                           |
| Generic Endpoint | Deploy AWS Blueprint                 | Execute AWS blueprint                                                                                                                                           |
| Generic Endpoint | Deploy GCP Blueprint                 | Execute GCP blueprint                                                                                                                                           |
| Generic Endpoint | Execute Blueprint Ansible            | This task will perform the execution of the Ansible runbook that's set up on the blueprint within the Ansible server, depending on the chosen Ansible endpoint. |
| Generic Endpoint | Execute Blueprint GIT Terraform file | This task will perform the execution of the Cisco workflow that's set up on the blueprint, depending on the chosen Cisco Intersight endpoint.                   |
| Generic Endpoint | Execute Blueprint Intersight         | This task will perform the execution of the GIT terraform file from chosen GIT endpoint on the chosen provisioning platform endpoint.                           |
| Generic Endpoint | Execute Blueprint Terraform          | This task will perform the execution of the terraform file created from blueprint, depending on the chosen provisioning platform endpoint.                      |
| Generic Endpoint | Execute Intersight Window            | Generic Task to execute Cisco Intersight Workflows.                                                                                                             |
| Generic Endpoint | Execute Powershell from GIT          | Executes Custom Powershell Script which is stored in Github.                                                                                                    |
| Generic Endpoint | Execute Python from GIT              | Executes Custom Python Script which is stored in Github.                                                                                                        |
| Generic Endpoint | Execute Terraform from GIT           | Call Terraform Script from GIT.                                                                                                                                 |
| Generic Endpoint | Execute Terraform from Local         | Call Terraform Script from Specified Path.                                                                                                                      |
| Generic Endpoint | Power Shell Script                   | Executes Custom Powershell Script configured with task.                                                                                                         |
| Generic Endpoint | Python Script                        | Executes Custom Python Script configured with task.                                                                                                             |
| Generic Endpoint | VMWAR Delete VM                      | This Task is used to delete a Virtual Machine in Datacenter.                                                                                                    |
| Generic Endpoint | SCVM Clone VM                        | This Task is used to clone a Virtual Machine in Datacenter.                                                                                                     |
| Generic Endpoint | SCVM Delete VM                       | This Task is used to delete a Virtual Machine in datacenter.                                                                                                    |
| Generic Endpoint | Update CI                            | This Task will Update CI in MyCloud CI Repository.                                                                                                              |
| Generic Endpoint | VMWAR Clone VM                       | This Task is used to clone a Virtual Machine in Datacenter.                                                                                                     |

| Platform         | Task Name                      | Task Description                                                                                                                                     |
|------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Generic Endpoint | MyCloud Ansible                |                                                                                                                                                      |
| Generic Endpoint | GCP Clone VM                   | This Task is used to clone a virtual machine in datacenter.                                                                                          |
| Generic Endpoint | GCP Delete VM                  | This Task is used to delete a virtual machine in environment.                                                                                        |
| Generic Endpoint | Insert CI                      | This Task will Create/Insert new CI in MyCloud CI Repository                                                                                         |
| Multi-HyperVisor | Ansible Tower                  | This Task will execute Ansible runbook on Ansible server.                                                                                            |
| Multi-HyperVisor | Decommission CI                | This Task will Decommission CI from MyCloud CI Repository.                                                                                           |
| Multi-HyperVisor | Insert CI                      | This Task will Create/Insert new CI in MyCloud CI Repository.                                                                                        |
| Multi-HyperVisor | Power Shell Script             | This task executes powershell script                                                                                                                 |
| Multi-HyperVisor | Python Script                  | This task executes python script                                                                                                                     |
| Multi-HyperVisor | Update CI                      | This Task will Update CI in MyCloud CI Repository.                                                                                                   |
| Multi-HyperVisor | VCenter Change Storage         | This task is for Addition/Removal of additional disk attached to Virtual machine using stom control. Additional disk can be added in any scsi index. |
| Multi-HyperVisor | VCenter Clone Virtual Machine  | This Task will provision a virtual machine.                                                                                                          |
| Multi-HyperVisor | VCenter Reboot Virtual Machine | This task performs reboot operation on virtual machine.                                                                                              |
| Multi-HyperVisor | VCenter Resize Server          | This task performs resize operation on virtual machine (Upgrade/Downgrade). Number of cores per socket can be customized.                            |
| Multi-HyperVisor | VCenter Start Virtual Machine  | This task performs start operation on virtual machine.                                                                                               |
| Multi-HyperVisor | VCenter Stop Virtual Machine   | This task performs stop operation on virtual machine.                                                                                                |
| RedHat Openshift | Add Disk                       | Attach a new managed data disk to a Windows virtual machine (VM).                                                                                    |
| RedHat Openshift | Clone Virtual Machine          | This Task will provision a virtual machine.                                                                                                          |
| RedHat Openshift | Decommission CI                | This Task will Decommission CI from MyCloud CI Repository.                                                                                           |
| RedHat Openshift | Delete Virtual Machine         | This Task will Delete Virtual Machine.                                                                                                               |
| RedHat Openshift | Insert CI                      | This Task will Create/Insert new CI in MyCloud CI Repository.                                                                                        |
| RedHat Openshift | Start Virtual Machine          | This task performs start virtual machine.                                                                                                            |

| Platform         | Task Name                    | Task Description                                                       |
|------------------|------------------------------|------------------------------------------------------------------------|
| RedHat Openshift | Stop Virtual Machine         | This task performs stop virtual machine.                               |
| RedHat Openshift | Trigger Sync Job             | This task is used to trigger sync job.                                 |
| RedHat Openshift | Update CI                    | This Task will Update CI in MyCloud CI Repository.                     |
| RedHat Openshift | Execute BigFix Action        | This task executes BigFix action.                                      |
| RedHat Openshift | Get BigFix Computer ID       | This task fetches computer ID from BigFix server.                      |
| RedHat Openshift | Execute Terraform from GIT   | This task executes terraform files from GIT repository.                |
| RedHat Openshift | Ansible Tower                | This Task will execute Ansible runbook on Ansible server.              |
| RedHat Openshift | Terraform Local              | This task executes terraform file stored on local server.              |
| RedHat Openshift | Terraform MyCloud Repository | This task executes terraform file stored on MyCloud Repository.        |
| RedHat Openshift | Create ConfigMap             | This task is used to define OCP Configuration Mapping.                 |
| RedHat Openshift | Update ConfigMap             | This task is used to update OCP Configuration Mapping.                 |
| RedHat Openshift | Pause Virtual Machine        | This task is used to pause OCP Virtual Machine.                        |
| RedHat Openshift | Unpause Virtual Machine      | This task is used to unpause OCP Virtual Machine.                      |
| RedHat Openshift | Restart Virtual Machine      | This task performs restart operation on virtual machine.               |
| RedHat Openshift | Release IP                   | This is used to release IP.                                            |
| RedHat Openshift | PowerShell GIT               | This task executes PowerShell script file stored on GIT repository.    |
| RedHat Openshift | Python GIT                   | This task executes python script file stored on GIT repository.        |
| RedHat Openshift | Create POD                   | This task will be used to Deployment from YAML placed in GIT Location. |
| RedHat Openshift | Create Deployment            | This task will be used to Create Deployment.                           |
| RedHat Openshift | Deployment From GIT          | This task will be used to Deployment from YAML placed in GIT Location. |
| RedHat Openshift | Create Route From GIT        | This task will be used to create route from yaml GIT.                  |
| RedHat Openshift | Create Build Config          | This task will be used to Create build config.                         |
| RedHat Openshift | Create Service               | This task will be used to Create Service.                              |
| RedHat Openshift | Execute Yaml From GIT        | This task will be used to Deployment from YAML placed in GIT Location. |
| RedHat Openshift | Delete POD                   | This task will be used to Delete the existing pod.                     |
| RedHat Openshift | Delete Deployment            | This task will be used to Delete the existing deployment.              |

| Platform         | Task Name          | Task Description                                       |
|------------------|--------------------|--------------------------------------------------------|
| RedHat Openshift | Start Deployment   | This task will be used to start the deployment.        |
| RedHat Openshift | Stop Deployment    | This task will be used to stop the deployment.         |
| RedHat Openshift | Scale Deployment   | This task will be used to scale the deployment.        |
| RedHat Openshift | Restart Deployment | This task will be used to start the deployment.        |
| RedHat Openshift | Delete Route       | This task will be used to Delete the existing Route.   |
| RedHat Openshift | Delete Service     | This task will be used to Delete the existing Service. |
| RedHat Openshift | Power Shell Script | This task executes PowerShell script.                  |
| RedHat Openshift | Python Script      | This task executes python script.                      |

## 5.6 Generic Task Parameters

1. The details of all the generic tasks of MyCloud are available under Help section, on the Generic Task Details screen, select the Platform.
2. Select the Generic Task from the dropdown list.
3. Select Type.

**Generic Task Details**

Generic Task Details

Platform \*  Generic Task \*  Type

| Parameter                 | DataType | Description               | Sample Value              | Type   |
|---------------------------|----------|---------------------------|---------------------------|--------|
| ClientSecretKey           | String   | ClientSecretKey           | ClientSecretKey           | INPUT  |
| DataDisks                 |          | DataDisks                 | DataDisks                 | OUTPUT |
| Disks                     | String   | Disks                     | Disks                     | INPUT  |
| IPAddress                 |          | IPAddress                 | IPAddress                 | OUTPUT |
| ManagedStorageAccountType | String   | ManagedStorageAccountType | ManagedStorageAccountType | INPUT  |
| NativClientId             | String   | NativClientId             | NativClientId             | INPUT  |
| ResourceGroupName         | String   | ResourceGroupName         | ResourceGroupName         | INPUT  |
| RoleName                  | String   | RoleName                  | RoleName                  | INPUT  |
| Size                      |          | Size                      | Size                      | OUTPUT |

Figure 96 - Generic Task Details

4. Refer the below table to understand the fields mentioned in the above figure:

Table 183 – Generic Task Fields

| Fields       | Description                                                                                                                                        |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Platform     | Name of the cloud service providers                                                                                                                |
| Generic Task | Task name which are out of box methods in MyCloud.                                                                                                 |
| Type         | There are two types of Generic Task Type,<br>Input: Specific parameters to execute a generic task<br>Output: This is the outcome of a generic task |

## 6 Support

To get support for this product, please drop an email to [MyCloud-ProdSupport-Team@hcl-software.com](mailto:MyCloud-ProdSupport-Team@hcl-software.com).

# HCLSoftware

[hcltechsw.com](https://hcltechsw.com)