

HCLSoftware

HCL BigFix Cloud Lifecycle Management

Developer Guide

Version 10.9



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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
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July, 2025	HCL_BigFix_Cloud_Lifecycle_Management_10.9_Developer_Guide

1 Preface

This section provides information about the HCL BigFix CLM 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 HCL BigFix CLM services.
- Defining process workflows in HCL BigFix CLM.

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 HCL BigFix CLM.

- HCL BigFix CLM Introduction Guide
- HCL BigFix CLM Installation Guide
- HCL BigFix CLM Configuration Guide - Admin Module
- HCL BigFix CLM Configuration Guide - Provider Module – Part 1
- HCL BigFix CLM Configuration Guide - Provider Module – Part 2
- HCL BigFix CLM Troubleshooting Guide
- HCL BigFix CLM User Guide
- HCL BigFix CLM 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 HCL BigFix Cloud Lifecycle Management 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.

HCL BigFix CLM 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. HCL BigFix CLM's data-driven recommendations and advisories ensure continuous optimization of enterprise cloud environments across areas, including cost, performance, security, and utilization.

2.1 HCL BigFix Cloud Lifecycle Management Roles

This table below highlights the various roles that are available in HCL BigFix CLM:

Table 2 - HCL BigFix CLM Roles and Responsibilities

Role	Description
HCL BigFix CLM Admin	HCL BigFix CLM 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 right 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 HCL BigFix CLM Configuration Guide for more information about HCL BigFix CLM Admin and Provider Admin.

2.2 HCL BigFix Cloud Lifecycle Management 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.

- **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 HCL BigFix Cloud Lifecycle Management 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

HCL BigFix CLM 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 Forms

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

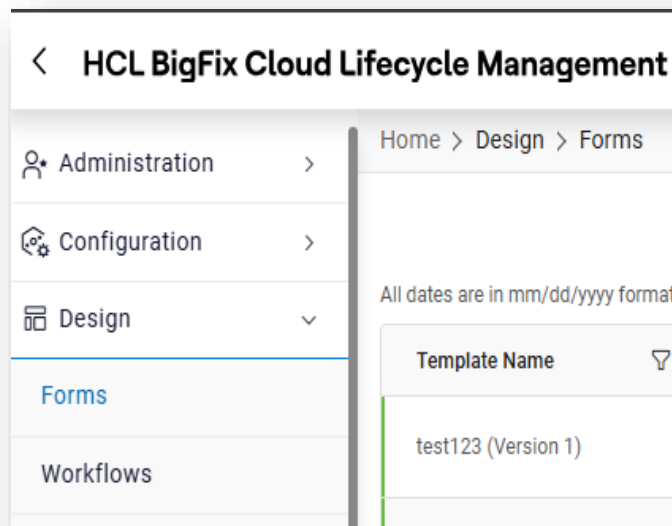


Figure 1 - Forms

The dynamic UI module helps the user to manage the UI templates in HCL BigFix Cloud Lifecycle Management.

It has the following options:

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

3.1.1 Create UI Template

To create UI Templates, provider users need to follow the below steps:

1. On the Forms screen, click on Create UI Template tab.

Home > Design > Forms

+ UI TEMPLATE

All dates are in mm/dd/yyyy format

● Active ● Inactive

Template Name	Template Description	Platform	Associated Process Template	Created On	Action
testFR (Version 1)	testFR	Google Cloud Platform	testFR (Version 1)	07/11/2025	⋮
BlobContainer (Version 1)	BlobContainer	Microsoft Azure	BlobContainer (Version 1)	07/09/2025	⋮
CatalogBackendBlobUI (Version 1)	CatalogBackendBlobUI	Microsoft Azure	CatalogBackendBlobPT (Version 1)	07/09/2025	⋮
testDummy (Version 1)	testDummy	Amazon Web Services	wsef (Version 1), testvinishnew (Ver... Show More)	07/08/2025	⋮
TFExecGITUI (Version 1)	TFExecGITUI	Microsoft Azure	TFExecGITPT (Version 1)	07/08/2025	⋮
BPUI_Template (Version 1)	BPUI_Template	Amazon Web Services	BPPProcessTemplate (Version 1), 12345654... Show More	07/08/2025	⋮
VMWARUI_Template (Version 1)	VMWARUI_Template	Compute on Demand-vCenter	VMWARProcessTemplateWindows (Version 1... Show More)	07/07/2025	⋮
TestUI_BJ (Version 1)	TestUI_BJ	Compute on Demand-vCenter	TestProcessTemplateBJ (Version 1)	07/05/2025	⋮
Windows-Vanilla VM Provisioning SRF-V1 (... Show More)	Windows-Vanilla VM Provisioning SRF-V1	Microsoft Azure	Cemex_AzureCloneProcessTemplate-V1 (Ver... Show More)	07/05/2025	⋮

Figure 2 - Create Manage UI Template

GENERAL UI COMPONENT SCRIPTS

☒ Create ☐ Import

Platform *
--Select--

Template Name *

Template Description *

Approval Type *
--Select--

Request Item Mode * ⓘ
--Select--

CANCEL NEXT

Figure 3 – Create Template UI (Cont.)

- It will show the 3 sections: **General, UI Component, Scripts**.
- 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	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. No Approval: In this no approval will be attached. Static Approval: Predefined approval Template will be used for Approval. Dynamic Approval Rule: On Run time, Approval Template will be decided.
Request Item Mode	There are two types of mode: 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. 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.

3.1.1.1 UI Components

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

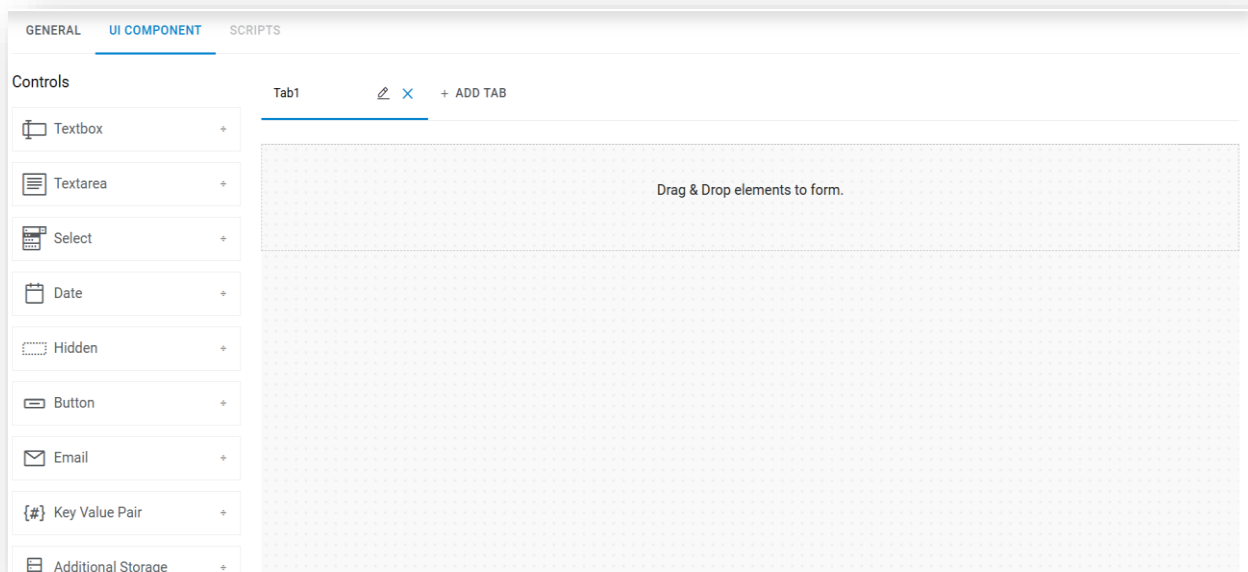


Figure 4 - Number of Tabs Selection

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 (**+ 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.

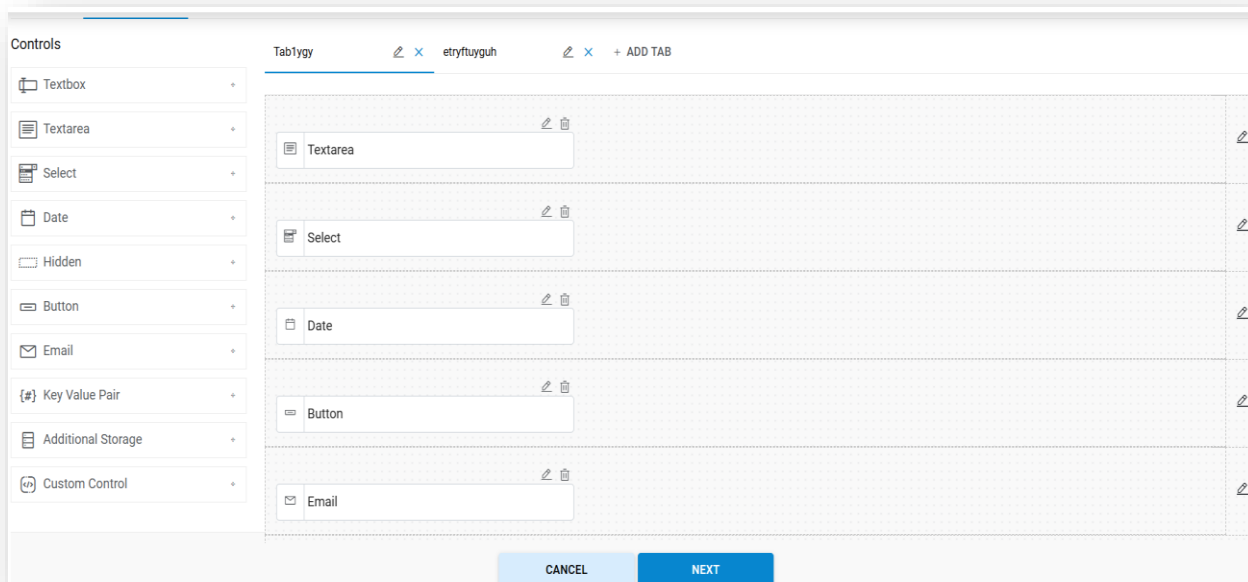


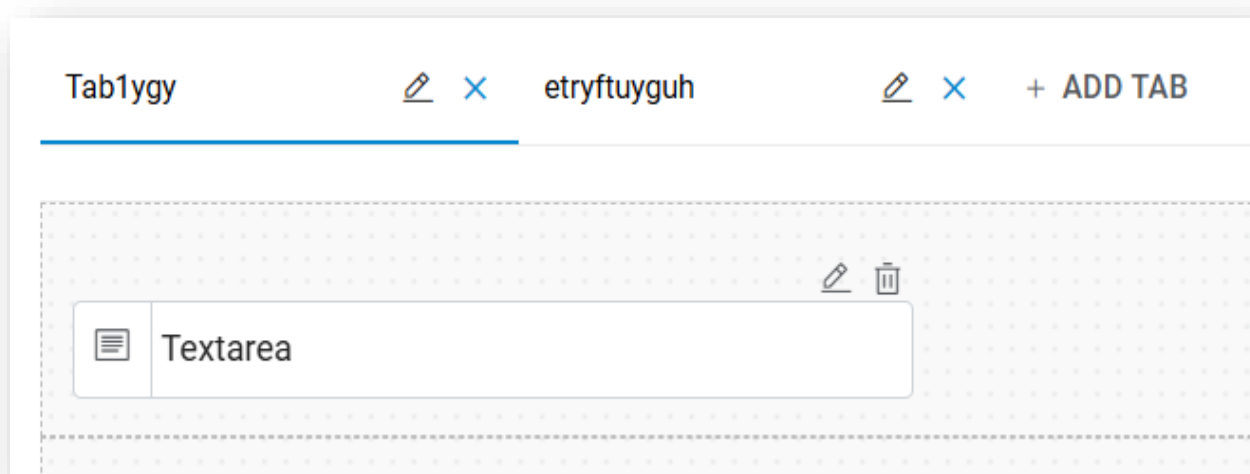
Figure 5 – Adding Control to a Tab

Refer to 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 use 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	Generate the button on the screen. It is used for performing any action on the screen
Email	Add the text box to the screen. It is used for sending additional emails. We can define multiple emails with semicolon (;)
Custom control	Custom control is a set of controls which can be used for collecting disk and network details for different cloud platforms. Users 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. Users 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 Email Preview icon.
	User can preview the complete form using the Preview icon.
	The user can create new UI Form using the Create New icon.
	The user can update the update UI Form using the Update icon.
	The Copy to New UI icon helps users to copy the existing UI into new UI Form.

3.1.1.2 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 ().

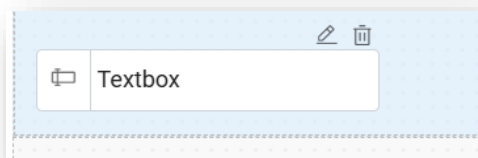


Figure 6 – Property

2. A section window appears as shown below:

PROPERTIES



Unique Id *

Display Name *

Visibility

true

▼

Events

Tooltip

Description

Figure 7 - Properties

PROPERTIES



Default Value

Placeholder Text

Control Value Can Be Override By Technical

false

▼

Validation

false

▼

Validators

Validation Message

ReadOnly

false

▼

Figure 8 – Properties (Cont.)

PROPERTIES

×

Maximum Length

100

TextMode

SingleLine

▼

CssClass

form-control

HelpText ⓘ

Required In Email

true

▼

Email Order

0

Cost Component ⓘ

Figure 9 – Properties (Cont.)

Refer to the table below 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
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	- Defines the event for a control, like onblur=blurevent (). - Multiple events can be separated by a pipe (); e.g., onblur=blurevent ();, onkeyup=keyupevent ();
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

Fields	Description
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 the 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 users can only add five storages
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	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”. “Not Applicable”: Control will not be used for expected cost calculation. “Applicable”: Control will be used for expected cost calculation. Below are the values for Cost Component:

Fields	Description
	• Not Applicable (default) • Compute CPU • Compute Memory • OS Disk Quantity • OS Disk Type • Period Interval • Period Value • Service Plan In Custom control & Additional Storage there will be 2 values in "Cost Component" as • Not Applicable (default) • Additional Disk Type By default, cost from above configuration will be calculated in show cost, in case users want to calculate by their logic they will write their logic in dynamic UI form under Function showCost and comment the HCL BigFix CLM out of box function "GetComponentExpectedCost" as mentioned in below. <pre>function ShowCost() { // Comment below function to write your own custom logic to calculate cost. GetComponentExpectedCost(); return true; }</pre> 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.

3. Enter the details in each field and click **Save icon**  .

3.1.1.2.1 Custom Control Properties

This section describes how a provider admin can edit custom controls and provide 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 section appears as shown below:

PROPERTIES

Control Category *
--Select--

Display Name *

Max Item Count * ⓘ

Cost Component ⓘ
Not Applicable

Figure 10- Custom Control Properties

Refer to 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 the 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. Control will be used for expected cost calculation of additional disk. Value for Cost components field will be as follows: Not Applicable (default) 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.

☐ DeviceName
☐ VolumeSize
☐ EbsType
☐ IOPS

DeviceName

Control will be displayed as TextBox and will be used to contain Device Name.

Unique Id *

DeviceName

Display Name *

DeviceName

Visibility

true

Events

Tooltip

Default Value

Overridden By Technical

false

Maximum Length

50

ReadOnly

false

Validation

false

Validators

Validation Message

VolumeSize

This control can be use for textbox, which will hold volume size in numeric

Unique Id *

VolumeSize

Display Name *

VolumeSize

Visibility

true

Events

Tooltip

Default Value

Overridden By Technical

false

Maximum Length

3

ReadOnly

false

Validation

false

Validators

Validation Message

Unique Id *

Display Name *

Visibility

CANCEL

ADD

Figure 11 - Pre-configured Control

☐ DeviceName
☐ VolumeSize
☐ EbsType
☐ IOPS

EbsType

This control will be used to capture Ebs Type.

Unique Id *

EbsType

Display Name *

EbsType

Visibility

true

Events

Tooltip

Default Value

DataSource

Allowed Values

Overridden By Technical

false

Validation

false

Validators

Validation Message

IOPS

This control can be use for textbox

Unique Id *

IOPS

Display Name *

IOPS

Visibility

true

Events

Tooltip

Default Value

Overridden By Technical

false

Maximum Length

10

ReadOnly

false

Validation

false

Validators

Validation Message

Unique Id *

Display Name *

Visibility

CANCEL

ADD

Figure 12 – Pre-configured Control

Custom Control Property

- ☒ DeviceName
- ☒ VolumeSize
- ☒ EbsType
- ☒ IOPS

Figure 13 – Pre-Configured Control

5. Click on Check. This defines the control availability on the screen.
6. Selecting the check boxes option displays the properties of the corresponding control as shown below.

Custom Control Property

☒ DeviceName
☒ VolumeSize
☒ EbsType
☒ IOPS

DeviceName

Control will be displayed as TextBox and will be used to contain Device Name.

Unique Id *
DeviceName

Display Name *
DeviceName

Visibility
true

Events

Tooltip

Default Value

Overridden By Technical
false

Maximum Length
50

ReadOnly
false

Validation
false

Validators

Validation Message

VolumeSize

This control can be use for textbox, which will hold volume size in numeric

Unique Id *
VolumeSize

Display Name *
VolumeSize

Visibility
true

Events

Tooltip

Default Value

Overridden By Technical
false

Maximum Length
3

ReadOnly
false

Validation
false

Validators

Validation Message

Unique Id *

Display Name *

Visibility

CANCEL ADD

Figure 14 – Pre-Configured Control Properties

The screenshot shows a 'Custom Control Property' dialog box with a sidebar on the left containing four checked items: DeviceName, VolumeSize, EbsType, and IOPS. The main area displays two control configurations:

Control Name	Unique Id *	Display Name *	Visibility	Events	Tooltip	Default Value	DataSource	Allowed Values	Overridden By Technical	Validation	Validators	Validation Message
<u>EbsType</u>	EbsType	EbsType	true						false	false		
<u>IOPS</u>	IOPS	IOPS	true						false	false		

Additional details for the IOPS control: Maximum Length: 10, ReadOnly: false.

Buttons: CANCEL, ADD

Figure 15 – Pre-Configured Control Properties

3.1.1.2.2 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

3.1.1.2.2.1 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

3.1.1.2.2.2 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

3.1.1.3 Scripting Block

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

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

- Control tabs level
- Parent page level
- External JavaScript

3.1.1.3.1 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 16 - 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. 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.

3.1.1.3.2 Reusable JS Library

By using this functionality, the Provider User can add and reuse 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.

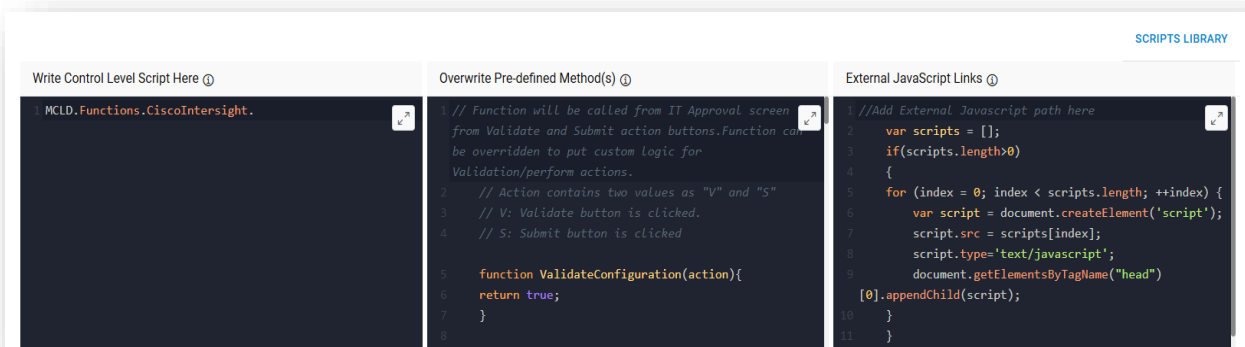


Figure 17 – JS Library

- 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.

- The Sort By column will have the following options:

Function Name	Function Library	Tags	Associated UI	Created By	Action
AddCustomTableRecords	MCLD.Functions.AddCustomTableRecord s()	Generic	NA	System	
AMAZN_ExpectedCost	MCLD.Functions.AMAZN_ExpectedCost()	Generic	NA	System	
ArchitectureDigaramZoomOut	MCLD.Functions.UserDefinedLibrary.Archi t... Show More		vCenter-Windows- Multi Machine Provision... Show More	HclProvider@hcl.com	  
ARM_ExpectedCost	MCLD.Functions.ARM_ExpectedCost()	Generic	NA	System	
BindLocation	MCLD.Functions.UserDefinedLibrary.BindL o... Show More	Bind,Region	CustomJS Library	HclProvider@hcl.com	  
BindRegion	MCLD.Functions.UserDefinedLibrary.Bind Re... Show More		CustomJS Library, JS Library	HclProvider@hcl.com	  
CalculateDecommissionDate	MCLD.Functions.UserDefinedLibrary.Calcul a... Show More	Decommission,Date,Calculate	CustomJS Library	HclProvider@hcl.com	  
CalculateDecommissionDate	MCLD.Functions.CalculateDecommission Date... Show More	Generic	NA	System	
DecryptString	MCLD.Functions.DecryptString()	Generic	NA	System	
Details	MCLD.Functions.UserDefinedLibrary.Detail... Show More		CustomJS Library	HclProvider@hcl.com	  

Figure 18 – 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.
- To create a new JS function, click on the **Create JS Function** tab.

Custom JS Functions Library

New JS Function
Please enter the function name, function parameters and associated description for the new JS Function which would be saved in custom JS library to facilitate org users to reuse the custom created JS Function.

Function Name * ⓘ

Function Parameters * ⓘ

Function Description *

Tags ⓘ + TAG

Function Body

```
{
}
```

Function Preview

```
function ()
{
}
```

ADD FUNCTION

Figure 19 – 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, a 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 successful 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 on the below screens:



Figure 20 – 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 part of UI Template.

All dates are in mm/dd/yyyy format

Template Name	Template Description	Platform	Associated Process Template	Created On	Action
tretett (Version 1)	erfeerer	Amazon Web Services	NA	07/16/2025	Active Inactive
testFR (Version 1)	testFR	Google Cloud Platform	testFR (Version 1)	07/11/2025	Edit Preview Download Json For Request (API) Export Json New Version Delete
BlobContainer (Version 1)	BlobContainer	Microsoft Azure	BlobContainer (Version 1)	07/09/2025	
CatalogBackendBlobUI (Version 1)	CatalogBackendBlobUI	Microsoft Azure	CatalogBackendBlobPT (Version 1)	07/09/2025	
testDummy (Version 1)	testDummy	Amazon Web Services	wsef (Version 1), testvinishnew (Versi... Show More)	07/08/2025	

Figure 21 – Manage UI Template

3.1.1.3.3 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. Cloud Platform Wise Cost based on cost model configuration. Consumed service cost by Cloud Provider (service cost dependent on native cloud provider price list) Note: Recommended approach to calculate cost is Consumed service cost by Cloud Provider and the billing job must be enabled for the public cloud. Cloud Platform Wise Cost based on cost model configuration. Use below method Based on Cloud platform to show the cost: Cloud Platform: VMWAR / SCVMM Method: PrivateCloud_ExpectedCost(Period, PeriodID, Location, ServicePlanID, CostType, Size, vCPU, Memory, Storage, OsDisk) Cloud Provider: ARM Method: ARM_ExpectedCost(Period, PeriodID, ServicePlanID, CostType, Size) Cloud Provider: AMAZN Method: AMAZN_ExpectedCost(Period, PeriodID, Size, ServicePlanID, CostType, OrderType, InstanceTypeID, IsEIPRequested, IsDetailedMonitoringEnabled, IsELBSelected, IsEBSRequested, requesttodate, requestfromdate) Cloud Provider: GCP Method: GCP_ExpectedCost(Period, PeriodID, ServicePlanID, CostType, Size, Storage, MachineClass, Series) Parameters Details: Period: it is a numeric value like 1,2,3....9 PeriodID: It can be 'd' for 'Day(s)', 'm' for 'Month(s)', 'w' for 'Week(s)', or 'y' for 'Year(s)'. Location: it contains the datacenter location.

Parent Page Name	Method Name	Description
		ServicePlanID: Service Plan ID is a plan related to cost model created by provider and map to the resource in HCL BigFix CLM. E.g., Silver, Platinum etc. ServicePlanID must be saved in CIMaster. Otherwise, Billing reports will not be populated. CostType: It can be Allocation Based Model and Time-Based Model. Size: it takes supported size based on cloud platform. vCPU: It defines the no. of vCPUs. Memory: It defines the size of Memory. Storage: It defines the size of storage. OsDisk: Size of the OS disk. OrderType: It defines the type of Order like OND/ONS. InstanceTypeID: Size of the cloud Platform (AMAZN). IsEIPRequested: It required "Y" - Yes and "N" - No values either EIP request or not. IsDetailedMonitoringEnabled: It required "Y" - Yes and "N" - No values either Detailed Monitoring enable or not. IsELBSelected: It required "Y" - Yes and "N" - No values either ELB selected or not. IsEBSRequested: It required "Y" - Yes and "N" - No values either EBS request or not. Requesttodate: it required Date when request submitted. (Optional) Requestfromdate: it required Date when request submitted. (Optional) MachineClass: It requires GCP expected cost. Series: It requires for GCP expected cost. Note: Above method of expected cost is going to obsolete. It is recommended to use a new method (define below) to calculate expected cost of all platforms. Consumed service cost by Cloud Provider (New methods of expected cost) 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. Example (operation cost, maintenance cost)

Parent Page Name	Method Name	Description
		Method: GetServiceExpectedCost (serviceName, jsonParams, Summary) Parameters Details: ServiceName: Service Name to show the cost. For example: VirtualMachine, Disk etc. JsonParams: items json to show the cost. If multiple items, then multiple items with “ ” separated multiple values. Sample json: {"items":[{"KeyName":"Region","KeyValue":"USEast UsWest"}, {"KeyName":"OS","KeyValue":"Win Lin"}, {"KeyName":"Usage","KeyValue":"24 9"}, {"KeyName":"Disk","KeyValue":"SDD~D4 HDD~A1"}]} Summary: it required Yes and No values either summary required or not. Note: User can create JsonParams by their own and use give below method to get the json. Method: GenerateServiceItemJson(keyList,valueList) Parameters Details: keyList: it is an array of keys. For example: ["Region","Os","Usage","Period","PeriodId","ServicePlan"] valueList: It is an array of values respective to the keys. KeyList and valueList array sequence should be same. For example, ["UsWest","Win","24","12","Day(s)","ARM Service"] If we have multiple items, then valueList would be “pipe ()” separated values for the items and key list would remain same. For example: ["UsWest UsWest","Win Lin","24 9","12 1","Day(s) Month(s)","Silver Platinum"] 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, One item one disk => ["DiskType~Value] or ["SDD~S1"] One item multiple disk => ["DiskType1~Value1, "DiskType2~Value2] or ["HDD~A0, HDD~A1"] Multiple item multiple disk => ["DiskTypeItem1~ValueItem1, "DiskTypeItem1~ValueItem1 DiskTypeItem2~ValueItem2] OR ["HDD~A0, HDD~A1" "SDD~S1"] Below is service wise keyList and ValueList sample values:

Parent Page Name	Method Name	Description			
		Cloud Provider	Service Name	Key List	Value List
		AMAZN	VirtualMachine	["Region","OS","Size","Period","PeriodID","ServicePlan","Disks"]	["us-east-1","Windows","a1.medium","9","Day(s)","Silver","gp2~10,IOPS~20"] "Disks" must be like "diskType~disksize" where DiskType are "gp2 or iops and disksize should be in in gb like 10,20..etc
		AMAZN	Disk	["Region","Period","PeriodID","ServicePlan","Disks"]	["us-east-1","9","Day(s)","Silver","gp2~10,IOPS~20"] "Disks" must be like "diskType~disksize" where DiskType are "gp2 or iops and disksize should be in in gb like 10,20..etc
		ARM	VirtualMachine	["Region","OS","Size","Period","PeriodID","ServicePlan","Disks"]	["UsWest Japan","Windows Linux","Basic_A0 Basic_A0","9 3","Day(s) Month(s)","ARM Platinum Silver","SHDD~S6,SSSD~E30 PSSD~P1,SSSD~E40"]

Parent Page Name	Method Name	Description			
					“Disks” must be like “diskType~disksize” where DiskType are “SHDD , SSSD and PSSD. 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”] “Disks” must be like “diskType~disksize” where DiskType are “SHDD , SSSD and PSSD. disksize must be standard disk size supported by Azure like s6,E30 etc
		GCP	VirtualMachine	[“Region”,“OS”,“Machine Type”,“Period”,“PeriodID”,“ServicePlan”,“Disks”,“Series”,“MachineClass”]	[“us-west4”,“Windows linux”,“n2d-highcpu-128 n2d-highcpu-128”,“9 3”,“Day(s) Month(s)”,“Platinum Silver”,“N2D N2”,“Preemptible Regular”,“10~MachineImage~REGIONAL 10~Local

Parent Page Name	Method Name	Description			
					SSD~MULTI_REGIONAL"] "Disks" format defined as "diskSize~disktype~disklocationType" where diskSizes are in gb "10,20 etc.. disktype must be PDStandard and SSD disklocationType should be "MULTI_REGIONAL" and "REGIONAL"
		GCP	Disk	["Region","Period","PeriodID","ServicePlan","Disks"]	["us-west4","9 3","Day(s) Month(s)","ARM Service Amazon Service","10~PDStandard~REGIONAL 10~LocalSSD~MULTI_REGIONAL"] "Disks" format defined as "diskSize~disktype~disklocationType" where diskSizes are in gb "10,20 etc.. disktype must be PDStandard and SSD disklocationType should be

Parent Page Name	Method Name	Description			
					"MULTI_REGIONAL" and "REGIONAL"
		Private Cloud	VirtualMachine	["Size", "Period", "PeriodID", "ServicePlan", "VCPU", "Memory", "Disks"]	["Small", "9 3", "Day(s) Month(s)", "ARM Service Amazon Service", "2", "3"10, 20 10,20"]
		Private Cloud	Disk	["Period", "PeriodID", "ServicePlan", "Disks"]	["9 3", "Day(s) Month(s)", "ARM Service Amazon Service", "10,20 10, 20"]
Requester/Object Action	request_process_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	ValidateConfiguration(Action)	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. Action contains two values as "V" and "S" V: Validate button is clicked. S: Submit button is clicked To validate the form use "GenericValidateITData" method for Action value as "V". Method: GenericValidateITData(action) It will validate the request and shown all the resource available/demanded status as information popup.			



Resource Name	Available	Demanded	Status
Cluster			
Storage			
Network			
abc-vgp210-commyd	1	1	Available

Figure 22-Validate IT Resource Details

This returns a value in true or false, else parent page level functionality does not move forward.

Parent Page Name	Method Name	Description
Self (Customized Form)	ctr_keyValuePair_addNew()	This function is called by the customized page from Key value pair controls by clicking, Add. This returns a value in true or false, else parent page level functionality does not move forward.
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. 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. 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. 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. requestJson have various methods to override final JSON key values. E.g. UpdateKeyValue(itemNo,keyName,keyValue,systemErrorMessage) : it takes four parameters to update value in JSON. itemNo: Unique item no for update value. keyName: JSON key name i.e., UI control unique Id. keyValue: Value to update in existing JSON. systemErrorMessage: it is either “true” or “false”. True shows system defined error message. Whereas False shows custom message.

Parent Page Name	Method Name	Description
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. requestJson have various methods to perform operations on final JSON key values. E.g. GetJsonValue(itemNo,keyName,systemErrorMessage) : it takes three parameters to get value in JSON. itemNo: Unique item no to get value. keyName: JSON key name i.e., UI control unique Id. systemErrorMessage: it is either "true" or "false". True shows system defined error message. Whereas False shows custom message.

```

Overwrite Pre-defined Method(s) ⓘ
1 // Function will be called from IT Approval screen
  from Validate and Submit action buttons.Function can
  be overridden to put custom 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
6 function ValidateConfiguration(action){
7     return true;
8 }

```

Figure 23 - Write/Modify Pre-Defined Method

3.1.1.3.4 External JavaScript Links

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

1. Place all JavaScript links into scripts array.

For example, var scripts = ["https://xxx.com/x.js","https://xxx.com/x.js"];



Figure 24 - External JavaScript Links

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

3.1.1.3.5 Intelligence writing JavaScript for UI Template

1. The Intelligence is the feature that automatically completes various sorts of text (HCL BigFix CLM 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).
2. 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.
3. 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.

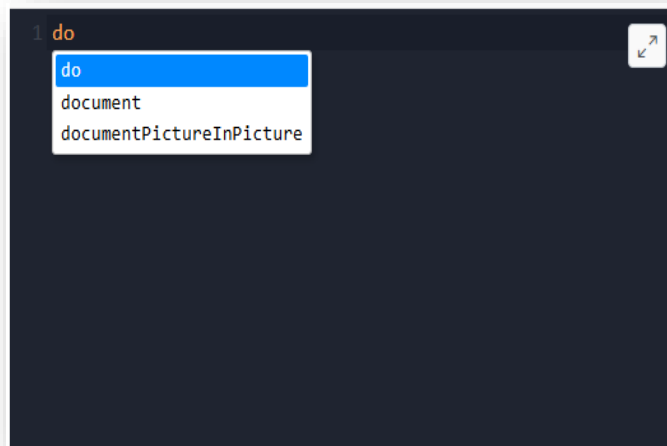


Figure 25 - intelligence In Scripting Block

3.1.1.3.6 MCLD Root Variable

MCLD (HCL BigFix CLM out-of-box) is the root variable that allows you to access all the functions and variables of HCL BigFix CLM with intelligence features.

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

- MCLD. Functions
- MCLD. Variables

3.1.1.3.6.1 MCLD Functions

MCLD functions contains the list of all out-of-box functions in HCL BigFix CLM.

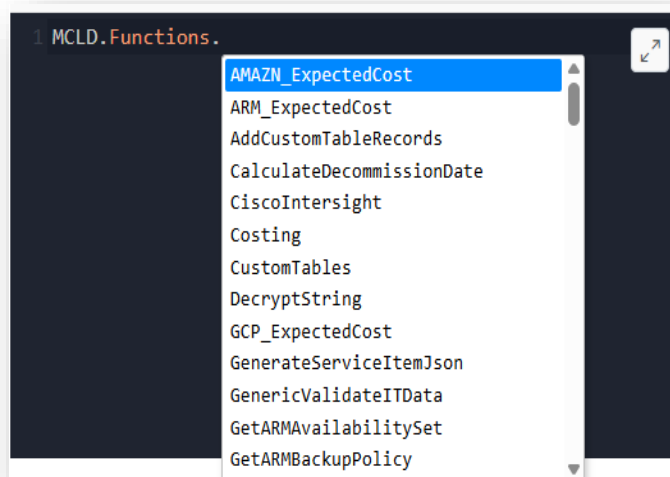


Figure 26 - List of HCL BigFix CLM functions

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:

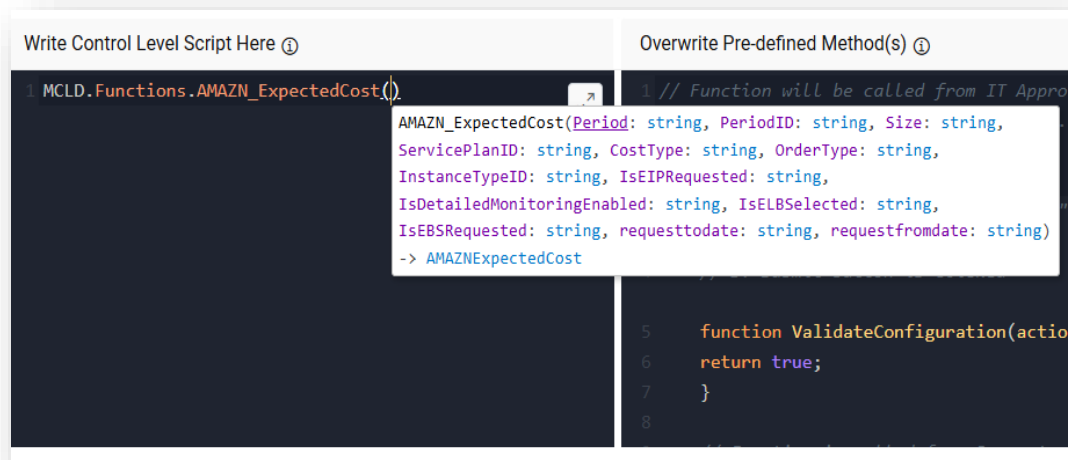


Figure 27 - Parameter suggestions for a function

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

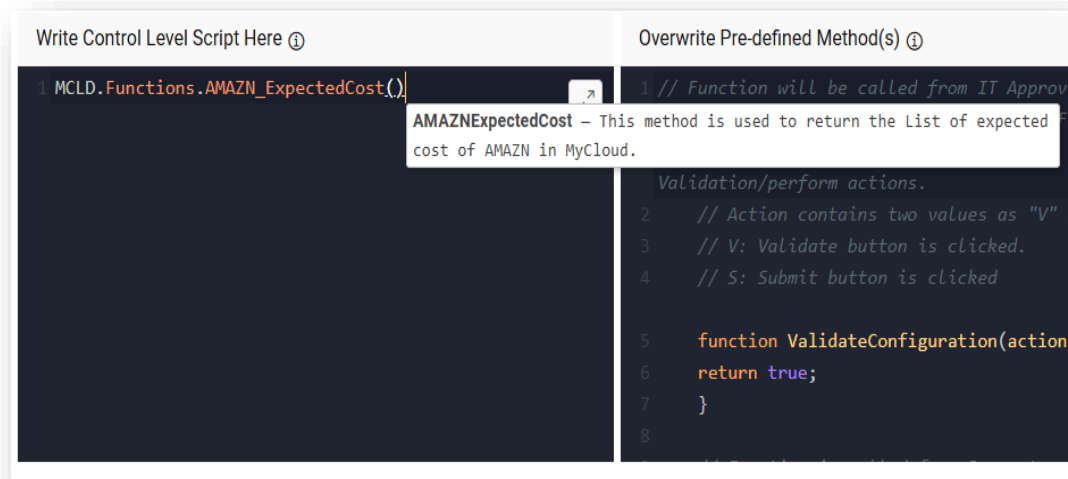


Figure 28 - Details of a Function

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

- GetCluster
- GetNetwork
- GetSoftware
- GetCostTypeList
- GetARMPublisher

3.1.1.3.6.2 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).

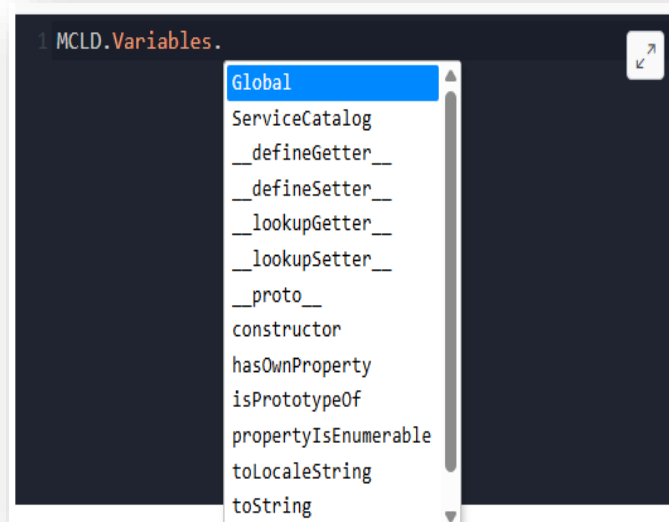


Figure 29 - Variable Categories

Available variables list is given below:

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 HCL BigFix CLM
	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 HCL BigFix CLM.
	LocationName	Location Name in which catalog is published and associated with UI.
	ProvisioningEndpointId	It Contains different values based on the cloud provider. ARM: It stores Subscription id of the provisioning endpoint AWS: It stores Account ID

Category	Variable Name	Details
		VMWAR/SCVMM: It Stores Platform name
	ProvisioningEndpointName	Unique Endpoint name under which catalog is published.
	PlatFormCode	Unique Platform Code of Cloud Endpoint created in HCL BigFix CLM.
	UserEntityId	Unique User ID created in HCL BigFix CLM
ServiceCatalog	ServiceCatalogId	Unique Identifier of published service catalog in HCL BigFix CLM.
	ServiceCatalogName	Unique Name of published service catalog in HCL BigFix CLM.
	CatalogEntityId	Unique Identifier of catalogue in HCL BigFix CLM.
	CatalogName	Unique of catalog name in HCL BigFix CLM.

3.1.2 View UI Template

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

Refer to **HCL BigFix CLM Configuration Guide** to know more about the steps.

3.1.3 Import UI Template

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

Refer to *HCL BigFix CLM Configuration Guide* to understand the steps.

To know about the other modules like Service Catalog, User Cost Model, Workflow Management, Master and so on, refer to HCL BigFix CLM Configuration Guide.

4 JavaScript Library

HCL BigFix CLM 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 HCL BigFix CLM'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 HCL BigFix CLM.

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	If region name is passed, then details of the passed region will return. If blank "" is passed in this field, then all regions of end point will return.
controlId	String	N	Id of "Select control" to be populated. 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: Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete In case it is True: 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 get 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

4.1.2 GetARMResourceGroup (Azure Resource Groups)

This method is used to return the list of Azure resource groups in HCL BigFix CLM.

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. 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. 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: Function is called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it is True: 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 filter/sortby/sortorder. To Filter:

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

4.1.3 GetARMVNet (Azure Virtual Network (VNet))

This method is used to return the list of Azure virtual network in HCL BigFix CLM.

Method Signature:

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

Sample Response:

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

Parameter Details:

Table 15 – GetARMVNet

Parameter Name	Type	Mandatory	Description
regionName	String	N	If region name is passed, then details of passed Region's VNet are returned. If blank "" are passed, then details of all AZURE's VNets return/bind to the control.
vNetName	String	N	If vNetName is passed, then details of passed VNet are returned. If blank "" is passed, then details of all AZURE's VNets return/bind to the control.
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: Function is called in synchronous mode. i.e., Current execution waits for method execution to complete In case it's True: 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 HCL BigFix CLM.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

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

Sample Response:

```
[{"SubnetEntityID":"SUB-07752781-C3F5-4D0A-B4BD-0CF989B64756","SubnetName":"PublicSubnet2","ID":"19","VnetName":"xxx x","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. 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 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. 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: Function is called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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	Users 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" 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 HCL BigFix CLM.

Method Signature:

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

Sample Response:

```
[{"EntityID":"PIP-8B3D2A05-691A-4A05-A627-178BF631B5F6", "PIPName":"xxxxPIP", "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":"PIP"}]
```

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. 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. 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. 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: Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete 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 HCL BigFix CLM
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

4.1.6 GetARMAvailabilitySet (AZURE Availability Set)

This method is used to return the list of Azure Availability Set in HCL BigFix CLM.

Method Signature:

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

Sample Response:

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

Parameter Details:

Table 18 – GetARMAvailabilitySet

Parameter Name	Type	Mandatory	Description
regionName	String	N	If region name is passed, then details of passed region's availability set are returned. If blank "" is passed, then detail of all AZURE's Availability Set will be returned/bind to the control.
availabilitySetName	String	N	If availability set is passed, then details of passed availability set are returned. If blank "" is passed, then detail of all AZURE's Availability Set will be returned/bind to the control.
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	In case it's False: Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By:

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

4.1.7 GetARMLoadBalancer (AZURE Load Balancer)

This method is used to return the list of Azure load balancer in HCL BigFix CLM.

Method Signature:

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

Sample Response:

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

Parameter Details:

Table 19 – GetARMLoadBalancer

Parameter Name	Type	Mandatory	Description
regionName	String	N	If region name is passed, then details of passed region's load balancer are returned. If blank "" is passed, then detail of all AZURE's load balancer will be returned/bind to the control.
loadBalancerName	String	N	If load balancer name is passed, then details of load balancer are returned. If blank "" is passed, then detail of all AZURE's load balancer will be returned/bind to the control.
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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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	Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

4.1.8 GetARMRecoveryVault (AZURE Recovery Vault)

This method is used to return the list of Azure Recover Vault in HCL BigFix CLM.

Method Signature:

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

Sample Response:

```
[{"EntityID":"ARSV-E1EF462C-F446-4711-AE25-C38A2C68B61E","Name":" - recovery-vault","ID":"1","ActualIDOnEnvironment":" -recovery-vault","RegionName":"eastus","IsActive":"Y","PlatformEntityID":"ARM-EF5CA4B6-67BE-4B48-BA7C-5F6FC4DAEA3E","text":" -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. 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. 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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.
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	Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

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. 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. 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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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. 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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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.

4.1.11 GetARMBackupPolicy (AZURE Backup Policy)

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

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":" - 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. 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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: Function will be called asynchronously. 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 Unique ID.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

4.1.12 GetARMStorageGroup (AZURE Storage Groups)

This method is used to return the list of Azure Storage groups in HCL BigFix CLM.

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":"xxxx", "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	If region name is passed, then details of passed region's storage groups are returned. If blank "" is passed, then detail of all AZURE's storage group will be returned/bind to the control.
storageGroup	String	N	If storage group is passed, then details of passed Storage groups are returned. If blank "" is passed, then detail of all AZURE's Storage Group will be returned/bind to the control.
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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM .
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

4.1.13 GetARMDisk (AZURE Disk)

This method is used to return the list of Azure Disk in HCL BigFix CLM.

Method Signature:

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

Sample Response:

```
[
  {
    "EntityID": "DISK-AF6A8E01-E84F-42FE-B9C6-FC07B75F8B35",
    "DiskName":
"OSLQA1024 (/subscriptions/xxxxxx/resourceGroups/RG/providers/Microso
ft.Compute/disks/OSQA1024) ",
    "DiskID":
"/subscriptions/xxxxxx/resourceGroups/RG/providers/Microsoft.Compute
/disks/OSLQA1024",
    "UniqueId": "8e39f1d9-559c-4daf-b6b0-33eec5a68f02",
    "Name": "OSLQA1024",
    "ResourceGroupName": "RG",
    "Location": "eastus",
    "Tags": [{"Name": "Machine"}, {"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": "OSLQA1024"
  }
]
```

Parameter Details:

Table 25 – GetARMDisk

Parameter Name	Type	Mandatory	Description
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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

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

Sample Response:

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

```

        "NICName": "NIC-nretestvm275-1 (/subscriptions/xxxxxx/resourceGroups/xxxx
        /providers/Microsoft.Network/networkInterfaces/NIC-nretestvm275-1) ",
        "NICID": "/xxxxxx/resourceGroups/xxxx
        /providers/Microsoft.Network/networkInterfaces/NIC-nretestvm275-1",
        "ResourceGuid": "2b5e6963-b342-4c6a-8990-3f753cc4a78c",
        "Name": "NIC-nretestvm275-1",
        "ResourceGroupName": "",
        "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

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

Sample Response:

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

```

        "SnapshotID":
"/subscriptions/xxxxxx/resourceGroups/RG/providers/Microsoft.Compute
/snapshots/test-snap-myid",
        "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-myid",
        "SourceResourceId":
"/subscriptions/xxxxxx/resourceGroups/RG/providers/Microsoft.Compute/
disks/LQA1024-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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

GetARMIPConfigurations(controlId, async, callback, addlparam)

Sample Response:

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

```

        "ResourceGroupName":
"/subscriptions/xxxxxx/resourceGroups/RG/providers/Microsoft.Network
/networkInterfaces/NIC-LQA1024/ipConfigurations/IPConfigName-NIC-
LQA1024",
        "NicResourceGuid":          "29948fe1-1c6a-4fb3-9256-
8dd96d197bf9",
        "NicName": "NIC-LQA1024",
        "IpConfigurationID":        "W/\"23e60afd-f73f-4f44-9d42-
a5d0cd2a23e0\"",
        "Etag": "Succeeded",
        "PrivateIPAddress": "Dynamic",
        "PrivateIPAllocationMethod":
"/subscriptions/xxxxxx/resourceGroups/RG/providers/Microsoft.Network/
virtualNetworks/RG-vnet/subnets/default",
        "SubnetID": "true",
        "Primary": "IPv4",
        "PrivateIPAddressVersion": "Y",
        "text": "RG"
    },
    {
        "EntityID":          "IPCONFIG-C07DD5B6-16DD-46B2-9CAE-
70DF7E658B28",
        "Name": "xxxxxx",
        "ResourceGroupName":
"/subscriptions/xxxxxx/resourceGroups/xxxxxx
/providers/Microsoft.Network/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/

```

```

/providers/Microsoft.Network/virtualNetworks/
/subnets/PrivateSubnet1",
    "SubnetID": "true",
    "Primary": "IPv4",
    "PrivateIPAddressVersion": "Y",
    "text": "xxxxx"
  }
]

```

Parameter Details:

Table 29- GetARMIPConfiguration

Parameter Name	Type	Mandatory	Description
controlld	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	In case it's False: Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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`.

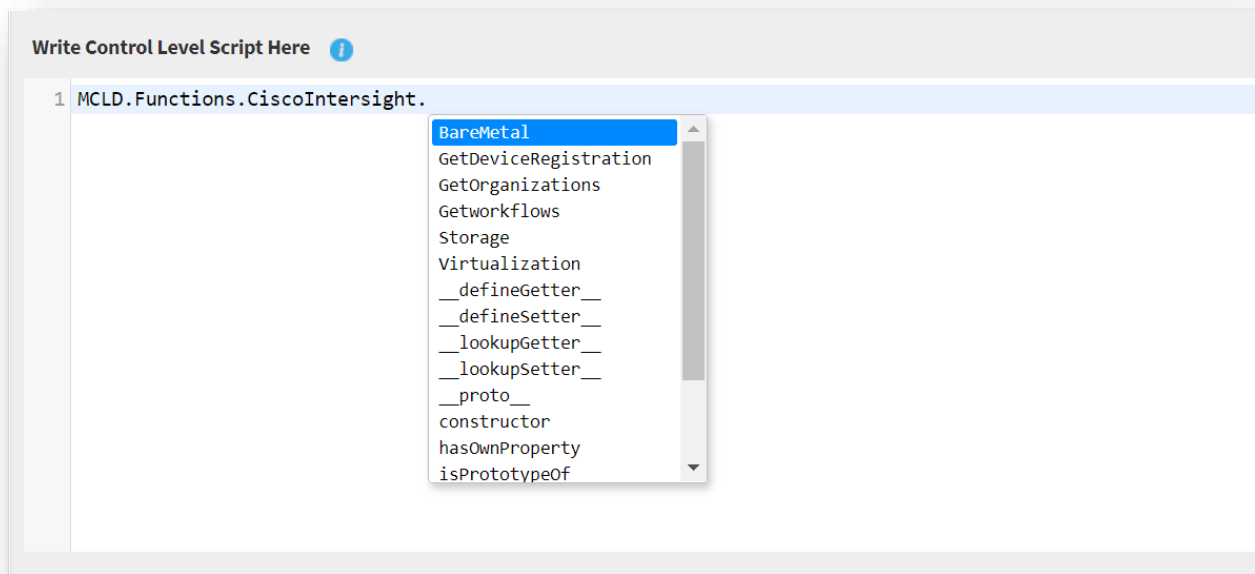


Figure 30 - MCLD.Functions.CiscoIntersight Screen

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 HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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	Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

4.2.1.4 GetDataStores

This method is used to return the list of GetDataStores of Cisco Intersight created in HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname=keyvalue" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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", "moid": "xxxxxxx", "vCenterServer": "vCenterServer", "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"

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

4.2.1.6 GetDistributedSwitches

This method is used to return the list of GetDistributedSwitches of Cisco Intersight created in HCL BigFix CLM.

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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

4.2.1.7 GetDistributedNetworks

This method is used to return the list of GetDistributedNetworks of Cisco Intersight created in HCL BigFix CLM.

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":
"xxx.xx.x.xxxx",          "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter:

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

4.2.1.9 GetTemplates

This method is used to return the list of GetTemplates of Cisco Intersight created in HCL BigFix CLM.

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. labs.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	Id of 'Select' control to be populated. 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.

Parameter Name	Type	Mandatory	Description
async	Boolean	N	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

4.2.1.10 GetVcenter

This method is used to return the list of GetVcenter of Cisco Intersight created in HCL BigFix CLM.

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": "xxxxxx",      "sharedScope":
"",      "version": "7.0.3",      "tags": "",      "organizations":
```

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

Parameter Details:

Table 39 – GetVcenter

Parameter Name	Type	Mandatory	Description
controlld	String	N	Id of 'Select' control to be populated. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

GetFolder (controlld, 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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname"

Parameter Name	Type	Mandatory	Description
			To Sort Order: 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 HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.
Callback	Function	N	Users 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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": "xxxxx \\\\administrator", "supportedModels": ["M5 B200"], "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": "\\ro", "ObjectType": "softwarerepository.CifsServer", "RemoteFile": "ucs-cxxx-scu-6.2.1c.iso", "RemoteIp": "xxx.xx.x.xx", "RemoteShare": "/SoftwareRepo/", "Username": "xxxxx \\\\administrator", "supportedModels": ["M6 C240"], "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": "xxxxx\\\\\\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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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": "xxxxxxx\\\\\\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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

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

Sample Response:

```

{  "totalRecords": 1,  "records": [    {      "moid": "xxxxxx",
"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": "xxxxx",      "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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.
controlld	String	N	Id of 'Select' control to be populated. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

GetServerPool(organizationMoid, controlld, 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.
controlld	String	N	Id of 'Select' control to be populated. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

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

Sample Response:

```
{ "totalRecords":1, "records":[{"moid":"xxxxx", "name":"T1PureArrayHCL",  
  "entityId":"PSA-61F75EFF-0614-439D-BFC0-  
  ABFF79051AA6", "objectType":"storage.PureArray", "classId":"storage.Pu  
  reArray", "description":"T1PureArrayHCL", "storageAvailableInGB":97568  
  83000, "storageUsedInGB":472828864, "storageFreeInGB":9284054000, "stor  
  ageTotalInGB":9756883000, "storageVolumeInGB":381962600, "capacityUtil  
  ization":4.84610558, "dataReduction":3.46457362, "totalReduction":63.5  
  329857, "parity":1, "storageProvisionedInGB":30039255000, "storageShare  
  dInGB":90852130, "storageSnapshotInGB":14149.8945, "storageUtilization  
  System":0, "storageUtilization":{"Available":29973145103019, "Capacity  
  Utilization":4.8461056, "ClassId":"storage.PureArrayUtilization", "Dat  
  aReduction":3.4645736, "Free":28520614808849, "ObjectType":"storage.Pu  
  reArrayUtilization", "Parity":1, "Provisioned":92280593580032, "Shared"  
  :279097741761, "Snapshot":43468475, "System":0, "ThinProvisioned":0.945  
  4681, "Total":29973145103019, "TotalReduction":63.532986, "Used":145253  
  0294170, "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

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

Sample Response:

```
{  "totalRecords": 1,  "records": [    {      "moid": "xxxxx",
"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": "xxxxx",      "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

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

Sample Response:

```
{ "totalRecords":1, "records": [{ "moid": "xxxxxx", "name": "MGMT", "entityId": "PSHG-B15FAB5B-6A13-4C8C-B9B4-0A709D5143EA", "objectType": "storage.PureHostGroup", "classId": "storage.PureHostGroup", "description": "", "storageAvailableInGB": 2041227900, "storageUsedInGB": 1504563, "storageFreeInGB": 2039723390, "storageTotalInGB": 2041227900, "storageVolumeInGB": 1504563, "capacityUtilization": 0.07370872, "dataReduction": 5.46503258, "totalReduction": 1053.2998, "storageSnapshotInGB": 0, "storageUtilization": { "Available": 6270652252160, "CapacityUtilization": 0.07370872, "ClassId": "storage.PureHostUtilization", "DataReduction": 5.4650326, "Free": 6266030234463, "ObjectType": "storage.PureHostUtilization", "Snapshot": 0, "ThinProvisioned": 0.99481153, "Total": 6270652252160, "TotalReduction": 1053.2998, "Used": 4622017697, "Volume": 4622017697 }, "pureStorageArrayMoid": "xxxxxx", "registeredDeviceMoid": "xxxxxx", "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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": "xxxxxx",  
      "registeredDeviceMoid": "xxxxxx",      "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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": "xxxxxxx",      "registeredDeviceMoid":
"xxxxxx",      "tags": "",      "organizations": []    }  ]}
```

Parameter Details:

Table 53 – GetPureVolume

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

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

Sample Response:

```
{
  "totalRecords": 1,
```

```

"records": [
  {
    "moid": "xxxxx",
    "name": "LABS01_data_aggr01",
    "entityId": "NAPPAGG-B4D78376-7B4B-4C8A-B2E8-5BEB4CFE54B4",
    "objectType": "storage.NetAppAggregate",
    "classId": "storage.NetAppAggregate",
    "description": "LABS01_data_aggr01",
    "aggregateType": "SSD",
    "arrayController": {
      "ClassId": "mo.MoRef",
      "Moid": "xxxxxx",
      "ObjectType": "storage.NetAppNode",
      "link": "https://<enter URL>"
    },
    "domainGroupMoid": "xxxxx",
    "netAppAggregateKey": "e2a69277-6d6e-11eb-9cb5-d039ea230c90:type=aggregate,uuid=8f7ad2c8-12e9-4dd0-8093-6dd3906a45fb",
    "netAppNodeMoid": "xxxxxx",
    "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": "xxxx",
    "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it’s True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

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

Sample Response:

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

```

"registeredDeviceMoid": "xxxxxx",
"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": "xxxxxx",
        "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

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

Sample Response:

```
{
```

```

"totalRecords": 1,
"records": [
  {
    "moid": "xxxxxx",
    "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": "xxxxxx",
    "netAppClusterMoid": "xxxxxxxx",
    "sharedScope": "",
    "tenantMoid": "xxxxx",
    "tenantlink": "https://<enter URL>",
    "tags": "",
    "uUid": "",
    "accountMoid": "xxxxxx",
    "organizations": [
      {
        "name": "default",
        "moid": "xxxxxx"
      },
      {
        "name": "xxxxx",
        "moid": "xxxxxx"
      }
    ]
  }
]
}

```

Parameter Details:

Table 57 – GetNetAppExportPolicy

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"
provisioningEndPointId	string	N	To filter the list on specific provisioningEndPointId

4.2.3.10 GetNetAppInitiatorGroup

This method is used to return the list of NetAppInitiatorGroup of Cisco Intersight created in HCL BigFix CLM.

Method Signature:

GetNetAppInitiatorGroup (organizationMoid, controlld, 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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"

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

4.2.3.11 GetNetAppLuns

This method is used to return the list of NetAppLuns of Cisco Intersight created in HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

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

Sample Response:

```
{
  "totalRecords": 1,
  "records": [
    {
      "moid": "xxxxx",
      "name": "xxxx",
      "entityId": "NAPPNODE-85086360-9D62-405C-B19B-BA3FF8CAF736",
      "objectType": "storage.NetAppNode",
      "classId": "storage.NetAppNode",
      "description": "xxxx",
      "deviceMoId": "xxxxx",
      "dn": "",
      "domainGroupMoid": "xxxxxxx",
      "health": true,
      "highAvailabilityEnabled": true,
      "highAvailabilityGivebackState": "nothing_to_giveback",
      "highAvailabilityPartnerName": "xxxxx",
      "highAvailabilityPartnerUuid": "255bf0ff-6d6c-11eb-9cb5-d039ea230c90",
      "highAvailabilityTakeoverState": "not_attempted",
      "netAppNodesKey": "e2a69277-6d6e-11eb-9cb5-d039ea230c90:type=cluster_node,uuid=25587125-6d6c-11eb-806b-d039ealfc560",
      "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": "xxxxxx",
      "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"
provisioningEndPointId	string	N	To filter the list on specific provisioningEndPointId

4.2.3.13 GetNetAppSVM

This method is used to return the list of NetAppSVM of Cisco Intersight created in HCL BigFix CLM.

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": [
        ""
      ],
      "domainGroupMoid": "xxxxxx",
      "fcpEnabled": false,
      "ipspace": "Default",
      "iscsiEnabled": true,
      "netAppStorageVmKey": "e2a69277-6d6e-11eb-9cb5-d039ea230c90:type=vserver,uuid=f6f804f8-6d78-11eb-8dd9-d039ealfc560",
      "nameServers": [
        " xxx.xx.x.xx "
      ],
      "aggregates": [
        " _data_aggr01",
        " _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.
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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

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

Sample Response:

```
{
  "totalRecords": 1,
  "records": [
    {
      "moid": "xxxxxx",
      "name": "_rdm_test",
      "entityId": "NAPPVOL-C1034731-0108-4170-B539-5DDA05EBDD96",
      "objectType": "storage.NetAppVolume",
      "classId": "storage.NetAppVolume",
      "description": "_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": "xxxxxx",
      "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

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

Sample Response:

```
{
  "totalRecords": 1,
  "records": [
    {
      "moid": "xxxxx",
      "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": "xxxxxx",
      "targetType": "NetAppActiveIqUnifiedManager",
      "tags": "",
      "organizations": [
        {
          "name": "default",
          "moid": "xxxxx"
        },
        {
          "name": "xxxx",
          "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete. In case it's True: Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to the next statement.
Callback	Function	N	Users 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

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

Sample Response:

```
{
  "totalRecords": 1,
  "records": {
    "entityId": "CICOT-40BEBF91-1D02-43BB-88B5-534A18D5EE08",
    "name": "xxxxx",
    "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.
controlld	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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.
Callback	Function	N	Users 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM. 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 HCL BigFix CLM.

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": "xxxxxx", "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"
provisioningEndPointId	string	N	To filter the list on specific provisioningEndPointId

4.2.4.2 GetVrfs

This method is used to return the list of GetVrfs of Cisco Intersight created in HCL BigFix CLM.

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": "xxxxx", "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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": "xxxxxx", "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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": "xxxxxx", "moid": "xxxxxx"}}]}
```

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" 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 HCL BigFix CLM.

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": "xxxxx",
        "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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	Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"
provisioningEndPointId	string	N	To filter the list on specific provisioningEndPointId

4.2.4.6 GetContracts

This method is used to return the list of GetContracts of Cisco Intersight created in HCL BigFix CLM.

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": "xxxxxx", "moid": "xxxxxx" } } ] }
```

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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": "xxxxxx", "moid": "xxxxxx" } } ] }
```

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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": "xxxxxx", "moid": "xxxxxxx" } } ] }
```

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" 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

4.2.4.9 GetSubjects

This method is used to return the list of GetSubjects of Cisco Intersight created in HCL BigFix CLM.

Method Signature:

GetSubjects (targetMoid, tenantName, controlId, async, callback, addlparam, 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": "xxxxxx",
        "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	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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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.

Parameter Name	Type	Mandatory	Description
			To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"
provisioningEndPointId	string	N	To filter the list on specific provisioningEndPointId

4.2.4.10 GetMonitoringPolicy

This method is used to return the list of GetMonitoringPolicy of Cisco Intersight created in HCL BigFix CLM.

Method Signature:

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

Sample Response:

```
{ "totalRecords": 6, "records": [{"entityId": "ACIMP-F4D0CB8B-3AAB-4C1C-98C3-57BE6D7B04FF", "name": "default", "description": "", "tenantName": "common", "target": {"name": "xxxxxx", "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	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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete 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.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"
provisioningEndPointId	string	N	To filter the list on specific provisioningEndPointId

4.2.4.11 GetInventory

This method is used to return the list of GetInventory of Cisco Intersight created in HCL BigFix CLM.

Method Signature:

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

Sample Response:

```
{
  "totalRecords": 7,
  "records": [
    {
      "entityId": "ACIINV-EFF4F690-381C-48DA-9CF9-154E78CE588B",
      "name": "xxxxxx",
      "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": "xxxxxx",
        "moid": "xxxxxx"
      }
    }
  ]
}
```

Parameter Details:

Table 75 – GetInventory

Parameter Name	Type	Mandatory	Description
targetMoid	String	Y	To filter the list on specific targetMoid.
controlld	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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

GetL3Domain (targetMoid, controlld, 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": "xxxxxxx",
          "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

Parameter Name	Type	Mandatory	Description
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 HCL BigFix CLM.

Method Signature:

GetVpcPolicyGroup (targetMoid, controlId, async, callback, addlparam, 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": "xxxxxx",
        "moid": "xxxxxx"
      }
    }
  ]
}
```

Parameter Details:

Table 77 – GetVPCPolicyGroup

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter:

Parameter Name	Type	Mandatory	Description
			To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortBy="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"
provisioningEndPointId	string	N	To filter the list on specific provisioningEndPointId

4.2.5 GetOrganizations

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

Method Signature:

GetOrganizations (organizationMoid, controlId, async, callback, addParam

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.
controlld	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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

Getworkflows (organizationMoid, controlld, 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"    }    },
"ClassId": "workflow.ArrayDataType",      "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": "_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",          "ssharedScope": "",          "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": "xxxxxx",          "ClassId":
"workflow.WorkerTask",          "Description": "Creates a VRF in ACI",
"InputParameters": {          "TENANT": "${workflow.input.NAME}",
"Target": "${workflow.input.Target}",          "VRF":
"${workflow.input.NAME}"          },          "Label": "Create VRF",
"Name": "CreateVRF1",          "ObjectType": "workflow.WorkerTask",
"OnFailure": "",          "OnSuccess": "CreateBD1",
"RollbackDisabled": false,          "TaskDefinitionId":
"62ab2a94696f6e2d336861a2",          "TaskDefinitionName": "CreateVRF",
"UseDefault": false,          "VariableParameters": null,
"Version": 1          },          {          "CatalogMoid": "xxxxxx",
"ClassId": "workflow.WorkerTask",          "Description": "Creates a
BD in ACI",          "InputParameters": {          "BD":
"${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, "VariableParameters": null,
"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": "${workflow.input.Target}" }, "Label":
"Create Public-EPG", "Name": "CreateEPG1",
"ObjectType": "workflow.WorkerTask", "OnFailure": "",
"OnSuccess": "CreateEPG2", "RollbackDisabled": false,
"TaskDefinitionId": "62ab2a95696f6e2d336861c3",
"TaskDefinitionName": "CreateEPG", "UseDefault": false,
"VariableParameters": null, "Version": 1 },
{ "CatalogMoid": "xxxxxx", "ClassId":
"workflow.WorkerTask", "Description": "Create an EPG",
"InputParameters": { "AP": "${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": "xxxxxxx",
    "ClassId":
"workflow.WorkerTask",
    "Description": "Creates a filter",
    "InputParameters": {
        "NAME": "${workflow.input.NAME}",
        "PORT": "${index.global.workflow.input.PORT.iteration}",
        "Target": "${workflow.input.Target}"
    },
    "Label":
"Create a Filter",
    "Name": "CreateaFilter2",
    "ObjectType": "workflow.WorkerTask",
    "OnFailure": "",
    "OnSuccess": "",
    "RollbackDisabled": false,
    "TaskDefinitionId":
"62ab2a95696f6e2d336861d9",
    "TaskDefinitionName": "CreateaFilter",
    "UseDefault": false,
    "VariableParameters": null,
    "Version": 1
},
{
    "ClassId": "workflow.LoopTask",
    "Count": "",
    "Label": "For each Filter assignment",
    "LoopStartTask":
"AssignFiltertoContract1",
    "Name": "parallelLoop2",
    "NumberOfBatches": 1,
    "ObjectType": "workflow.LoopTask",
    "OnSuccess": "AssignConsumerContract1",
    "Parallel":
true
},
{
    "CatalogMoid": "xxxxx",
    "ClassId":
"workflow.WorkerTask",
    "Description": "Creates a contract
between EPGs",
    "InputParameters": {
        "AP":
"${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":
"xxxxxx",                                "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":
"${workflow.input.Target}"                                },                                "Label": "Assign
Consumer Contract",                                "Name": "AssignConsumerContract1",
"ObjectType": "workflow.WorkerTask",                                "OnFailure": "",
"OnSuccess": "AssignProviderContract1",                                "RollbackDisabled":
false,                                "TaskDefinitionId": "62ab2a96696f6e2d336861f8",
"TaskDefinitionName": "AssignConsumerContract",                                "UseDefault":
false,                                "VariableParameters": null,                                "Version":
1                                },                                {                                "CatalogMoid": "xxxxxx",                                "ClassId":
"workflow.WorkerTask",                                "Description": "",
"InputParameters": {                                "FILTER": "Allow-
{{ index .global.workflow.input.PORT .iteration}}",                                "NAME":
"${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": "AP1",
"X": 108.37934772363076,      "Y": 413.416815911019      },
{      "Name": "parallelLoop1",      "X": 98.37934772363077,
"Y": 765.416815911019      },      {      "Name":
"CreateaFilter2",      "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"      }      ],      "organizations": [      {      "name":
"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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete 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.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

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 HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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	If region name is passed, then details of passed region are returned. If blank "" is passed, then detail of all AZURE will be returned/bind to the control.
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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

4.3.3 GetAWSVPC (AWS Virtual Private Cloud(VPC))

This method is used to return the list of AWS Virtual Private Clouds in HCL BigFix CLM.

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	If region name is passed, then details of passed region's VPC are returned. If blank "" is passed, then detail of all AWS's VPC will be returned/bind to the control.
locationName	String	N	If location name is passed, then details of passed location's VPC are returned. If blank "" is passed, then detail of all AWS's VPC will be returned/bind to the control.
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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By:

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

4.3.4 GetAWSSubNet (AWS Subnets)

This method is used to return the list of AWS subnets in HCL BigFix CLM.

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. 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. 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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete 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 HCL BigFix CLM.
Callback	Function	N	Users 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

4.3.5 GetAWSEIP (AWS Elastic IP)

This method is used to return the list of AWS elastic IPs in HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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","DriveSize":"","ComputeUnit":"","IOPerf":"Moderate","MaxNIC":"","MaxPrivateIPsPerNIC":"","Architecture":"32,64","RootDrive":"EBS","OSType":"0,1","IsVPC":"Y","JSONCode":"","JSONType":"","IsActive":"Y","text":"all.medium"}]
```

Parameter Details:

Table 86 – GetAWSInstanceType

Parameter Name	Type	Mandatory	Description
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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to the next statement.
callback	Function	N	Users 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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. 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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"

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

4.3.8 GetAWSSecurityGroup (AWS Security Group)

This method is used to return the list of AWS security groups in HCL BigFix CLM.

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	If region name is passed, then details of passed region's security groups are returned. If blank "" is passed, then detail of all AWS's Security Groups will be returned/bind to the control.
vpcName	String	N	If VPC Name is passed, then details of passed VPC's security Groups are returned. If blank "" is passed, then detail of all AWS's Security Groups will be returned/bind to the control.
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	In case it's False: Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete 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 HCL BigFix CLM.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

4.3.9 GetAWSKeyPairs (AWS Key Pair)

This method is used to return the list of AWS key pairs in HCL BigFix CLM.

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	If region name is passed, then details of passed region are returned. If blank "" is passed, then detail of all AWS's Key pair will be returned/bind to the control.
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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By:

Parameter Name	Type	Mandatory	Description
			To sort the data based on column name. e.g., sortBy="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortOrder="ASC"

4.3.10 GetAWSEBS (AWS Elastic Block Store (EBS))

This method is used to return the list of AWS EBS in HCL BigFix CLM.

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", "Is Active": "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. 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.

Parameter Name	Type	Mandatory	Description
			If blank "" is passed, then detail of all AWS's EBS will be returned/bind to the control.
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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order:

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

4.3.11 GetAWSNIC (AWS Network Interface (NIC))

This method is used to return the list of AWS NICs in HCL BigFix CLM.

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 the region name is passed, then details of passed region's NIC are returned. 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. 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. 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. If Id Control of dynamic UI is passed, then control will be populated with

Parameter Name	Type	Mandatory	Description
			values return from this function else "Result set" will be returned in JSON format.
async	Boolean	N	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.
callback	Function	N	Users can pass a 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

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 HCL BigFix CLM.

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. 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. 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. 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. 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: Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.

Parameter Name	Type	Mandatory	Description
callback	Function	N	Users 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname=keyvalue" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

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 HCL BigFix CLM.

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	If subnet name is passed, then details of passed Subnets' VPC are returned. If blank "" is passed, then detail of all AWS's VPC will be returned in JSON format.
async	Boolean	N	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete 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 HCL BigFix CLM.
callback	Function	N	Users 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

4.3.14 GetAWSSnapshots(AWS Snapshots)

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

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. 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: Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.
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. To Filter: To filter records based on column name received from output. e.g.,filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g.,sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" 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 HCL BigFix CLM.

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. 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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: Function will be called asynchronously. 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 HCL BigFix CLM.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

4.4.4 GetVmwareStorage (VMware Storage)

This method is used to return the list of vCenter storage in HCL BigFix CLM.

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	If Cluster is passed, then details of passed Cluster's Storage are returned. If blank "" is passed, then detail of all VMware's Storage will be returned/bind to the control.
hostname	String		If Host is passed, then details of passed Host's Storage are returned. 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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"
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 HCL BigFix CLM.

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. 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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM .
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By:

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

4.4.6 GetVmwareNetwork (VMware Network)

This method is used to return the list of vCenter network in HCL BigFix CLM.

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	If Cluster is passed, then details of passed Cluster's Network are returned. If blank "" is passed, then detail of all VMware's network will be returned/bind to the control.
hostName	String	Y	If Host is passed, then details of passed Host's Network are returned. If blank "" is passed, then detail of all VMware's network will be returned/bind to the control.
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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete 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 HCL BigFix CLM .
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"
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 HCL BigFix CLM.

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
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	In case it's False: Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete In case it's True: 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 <i>HCL BigFix CLM</i> .
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" 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 HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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	Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder. It contains 3 properties filter/sortby/sortorder. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting orders either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

4.4.10 GetNetworkDetails (VMware Network Details)

This method is used to return the list of vcenter network details in HCL BigFix CLM.

Method Signature:

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

Sample Response:

```
[{"NetworkName": "-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": "-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	In case it is False: Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete In case it is True: 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.
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 HCL BigFix CLM.

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. 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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By:

Parameter Name	Type	Mandatory	Description
			To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

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

Sample Response:

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

Parameter Details:

Table 108 – GetScvmmCloud

Parameter Name	Type	Mandatory	Description
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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: Function will be called asynchronously. Execution will not wait for method

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

4.5.2 GetScvmmHost (Hyper V2 Host)

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

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. 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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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. 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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" 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 HCL BigFix CLM.

Method Signature:

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

Sample Response:

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

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.
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. To Filter:

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

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	If disk type is passed, then details of passed disk type are returned. If blank "" is passed, then detail of all GCP Size will be returned/bind to the control.
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	In case it's False:

Parameter Name	Type	Mandatory	Description
			Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

4.6.2 GetGCPVpc (GCP VPC)

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

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":"242713", "SelfLink":"https://<enterURL>", "text":"terraform-dev-net(219908087265165318)"}]
```

Parameter Details:

Table 113 – GetGCPVpc

Parameter Name	Type	Mandatory	Description
vpcname	String	N	If VPC name is passed, then details of passed VPC are returned. If blank "" is passed, then detail of all VPC will be returned/bind to the control.
routingMode	String	N	If routing mode is passed, then details of passed routing mode are returned. If blank "" is passed, then detail of all VPC will be returned/bind to the control.
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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.
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. To Filter:

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

4.6.3 GetGCPSubnet (GCP Subnet)

This method is used to return the list of GCP Subnets in HCL BigFix CLM.

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":"-242713","SelfLink":"https://<enter URL>","text":"default(europe-west6)"}]
```

Parameter Details:

Table 114 – GetGCPSubnet

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

Parameter Name	Type	Mandatory	Description
subnetName	String	N	If subnet name is passed, then details of passed subnet are returned. If blank "" is passed, then detail of all subnets will be returned/bind to the control.
region	String	N	If region is passed, then details of passed region are returned. If blank "" is passed, then detail of all subnets will be returned/bind to the control.
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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.
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. To Filter:

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

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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	If region is passed, then details of passed region are returned. If blank "" is passed, then detail of all Zone will be returned/bind to the control.
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	In case it's False: Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

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

Sample Response:

```
[{"EntityID": "DISK-A62D122A-6981-46D3-9BE0-097C0AB1A6BC",
```

```

        "DiskName": "wqa69(2800234493502528083)",
        "DISKID": "2800234493502528083",
        "Name": "wqa69",
        "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": "wqa69(2800234493502528083)"
    }
}

```

Parameter Details:

Table 120 – GetGCPDisk

Parameter Name	Type	Mandatory	Description
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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.

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

4.6.10 GetGCPPIP (GCP PIP)

This method is used to return the list of GCP PIP in HCL BigFix CLM.

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 – GetGCPIIP

Parameter Name	Type	Mandatory	Description
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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.
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. To Filter:

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

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 HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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. 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: Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete In case it's True: 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. 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: Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete In case it's True: 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": "\\Templates\\", "TemplateName": "scomp-  
rhel7.5", "OSType": "1", "OSProfile": "-  
rh", "OsCode": "Linux", "Deploymentpath": "\\vm\\", "srcImage": "", "User  
Name": "", "GuestOSProfileById": "rhel7_64Guest", "TemplateDescription":  
"", "TemplateStatus": "IMP", "TemplateType": "", "Offer": "", "Stack_URL": "  
", "Publisher": "", "ResourceGroupName": "", "StorageAccountAccesskey": "  
, "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: Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete In case it's True: 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	Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort by: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"
camelCase	Boolean	N	Convert custom table column casing. If true custom table column will be converted to camel case else it will be returned as it is. Default value is true.

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": "9.2" }, { "AutoID": 119, "FirstName": "f2", "LastName": "l2", "Email": "custom@hcl.com", "ApplicationName": "9.2" } ] }
```

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: Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete In case it's True: 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": "9.2" }, { "AutoID": 119, "FirstName": "f2", "LastName": "l2", "Email": "custom@hcl.com", "ApplicationName": "9.2" } ] }
```

Parameter Details:

Table 128 - Add CustomTableRecords

Parameter Name	Type	Mandatory	Description
CustomTableName	String	Y	Unique name of custom table for organization. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 is used to edit existing records in Custom Tables.

Method Signature:

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

Sample Response:

```
{ "CustomTableRecords": [{ "AutoID":118, "FirstName":"f16032020", "LastName":"l17032020", "Email":"table@hcl.com", "ApplicationName":"9.2"}, { "AutoID":119, "FirstName":"f2", "LastName":"l2", "Email":"custom@hcl.com", "ApplicationName":"9.2"} ] }
```

Parameter Details:

Table 129 – GetCustomTableRecords

Parameter Name	Type	Mandatory	Description
CustomTableName	String	Y	Unique name of custom table for a specific organization. It is visible under Master>Custom table menu.
autold			Record ID which user want to edit.
RowData	Array	Y	It is JSON Array which has keyname and keyvalue, e.g., [{"KeyName":"columnName","KeyValue":"ColumnValue"}]
Async	Boolean	N	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 is used to get 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": "9.2" }, { "AutoID": 119, "FirstName": "f2", "LastName": "l2", "Email": "custom@hcl.com", "ApplicationName": "9.2" } ] }
```

Parameter Details:

Table 130 – GetCustomTableRecordsByTableName

Parameter Name	Type	Mandatory	Description
CustomTableName	String	Y	Unique name of custom table for a specific organization. It is visible under Master>Custom table menu.
Async	Boolean	N	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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.

4.8.6 GetCustomTableRecordswithCamelcase

This method is used to get 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": "9.2" }, { "AutoID": 119, "FirstName": "f2", "LastName": "l2", "Email": "custom@hcl.com", "ApplicationName": "9.2" } ] }
```

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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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.
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 information of any CI details from HCL BigFix CLM.

4.9.1 GetCIMasterSingleRow

This method is used to fetch 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":null}]
```

```

", "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
, "DecommisionDate": "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 HCL BigFix CLM. 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 data from CI Master table based on Object Id and Object Type.

Method Signature:

GetCIMasterData(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","OSDiskSize":null,"DataDisk1Size":null,"DataDisk2Size":null,"DataDisk3Size":null,"DataDisk4Size":null,"DataDisk5Size":null,"IpAddress":"xxx.xx.x.xx","ComputerName":"indrmf51b01","Itemno":null,"PlatformName":"VMWAR","DataCenterName":null,"ClusterName":null,"HostName":"xxxxxxxxx.xxxxxxxxx.xxx","DisplayName":"indrmf51b01","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":"indrmf51b01","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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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 get executed 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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it’s True: 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 get 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" 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 HCL BigFix CLM 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 HCL BigFix CLM.

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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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.

4.10.5 ValidateAdUser

This method is used to return the ValidateAdUser of Cisco Intersight created in HCL BigFix CLM.

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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: Function will be called asynchronously. Execution will not wait for method execution

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it’s True: 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 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
ApprovalTypeid	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 HCL BigFix CLM.
EEID	Unique Identifier of Cloud Endpoint created in HCL BigFix CLM.
CName	Catalog Name of associated catalog with request.
servicecatalogid	Unique Identifier of published service catalog in HCL BigFix CLM.
EndPoint	It Contains different values based on the cloud provider. ARM: It stores Subscription id of the provisioning endpoint AWS: It stores Account ID VMWAR/SCVMM: It Stores Platform name
PlatFormName	Unique code of cloud provider entity in HCL BigFix CLM 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 HCL BigFix CLM.
Orderno	Unique Identifier for created request in HCL BigFix CLM.
ReferBackFlag	In case it's Yes: Current request is referred back 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 HCL BigFix CLM.
Objecttype	Unique Code in HCL BigFix CLM, 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 HCL BigFix CLM.
Itemno	Unique Identifier for created item in HCL BigFix CLM.
Platformcode	Unique Platform Code of Cloud Endpoint created in HCL BigFix CLM.
cimasterId	Unique Identifier of CI Details HCL BigFix CLM.
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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: Function will be called asynchronously. 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 HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: Function will be called asynchronously. 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 HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it’s True: Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to the next statement.

4.11.10 SetControlVisibility

This method is used to set control visibility in HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it’s True: Function will be called asynchronously. Execution will not wait for method execution completion. It will jump to next statement.

Parameter Name	Type	Mandatory	Description
VisibleOption	String	N	This method can be used to show or hide control on pop up and Email. 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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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 HCL BigFix CLM.
Filter	String	N	Filter is optional where the user can pass the clause
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	In case it's False: Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete In case it's True: 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 HCL BigFix CLM.

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 HCL BigFix CLM.

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 HCL BigFix CLM. 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 HCL BigFix CLM.

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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM. The JavaScript function is available in the UI intellisense MCLD.Functions.Costing

4.13.1 GetComponentExpectedCost

This is HCL BigFix CLM 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: VMWAR Service Plan Size : Small (vCPU : 1, Memory : 2 GB) Period : 1 Month(s)						
Item Type	Item	Quantity	Cost Plan	Running Cost	One Time Cost	Recurring Cost
Component	Compute Unit	1	Allocation based model	30	10	30
Component	Memory	2	Allocation based model	60	20	60
Total Cost				90.00	30.00	90.00
Total Cost (\$) : 210.00						

Figure 31 – 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 HCL BigFix CLM 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 "RequestAdditotnlInfo" 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:

Home > Requests > My Requests

REQUEST DRAFT REQUEST

Platform * All Provisioning Endpoint * All GO

All dates are in mm/dd/yyyy format

Request ID	Object Type	Status	Comments	Additional Info	Action
MYREQ000295	Virtual Machine	Fulfilment Completed			
MYREQ000294	Virtual Machine	Fulfilment Completed			
MYREQ000293	Virtual Machine	Fulfilment Completed			

Figure 32 – Display Additional Info

4.15 OCP JavaScript Library

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

4.15.1 getNamespaces

This method is used to return the list of OCP namespaces in HCL BigFix CLM.

Method Signature:

getNamespaces (controlId, async, callback, addlparam)

Sample Response:

```
[{"platformEntityID":"OCP-C5E26138-7E86-407C-8666-8909360ADB4D","uid":"d26c681e-0d18-43fe-80bf-ec2ff1ca1d40","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", "c
reatedBy": "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order:

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

4.15.2 getProjects

This method is used to return the list of OCP Projects in HCL BigFix CLM.

Method Signature:

getProjects (controlId, async, callback, addlparam)

Sample Response:

```
[{"platformEntityID":"OCP-C5E26138-7E86-407C-8666-8909360ADB4D","uid":"758436ab-3f46-4529-9eb8-036d5c993458","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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete 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.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

4.15.3 getNodes

This method is used to return the list of Nodes in HCL BigFix CLM.

Method Signature:

getNodes (controlId, async, callback, addlparam)

Sample Response:

```
[{"entityID":"NODES-09DE5D11-76B1-444C-B87B-6123ACDA3740","platformEntityID":"OCP-C5E26138-7E86-407C-8666-8909360ADB4D","uid":"b774098d-c054-418d-9bad-d9c966e75d07","name":"openshift.com","labels":{"beta.kubernetes.io/arch":"amd64","beta.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/invtsc":"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-lldfl-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":
true", "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.
com", "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":"xxxx", "topology.csi.infinidat.com/zone:"t
true"}, "annotations":{"csi.volume.kubernetes.io/nodeid":{"infinibox-
csi-driver":"openshift.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.
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.      com","k8s.ovn.org/zone-name":"openshift.
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.
.com","internalIp":"xxx.xx.x.xx","capacity":{"bridge.network.kubevir
t.io/br1":"1k","cpu":"72","devices.kubevirt.io/kvm":"1k","devices.ku
bevirt.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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

4.15.4 getStorageClasses

This method is used to return the list of OCP storageClasses in HCL BigFix CLM.

Method Signature:

getStorageClasses (controlId, async, callback, addlparam)

Sample Response:

```
[{"entityId":"STRCLASS-B483F88A-6881-4D3A-ACB6-4DEAE4B34D16","platformEntityId":"OCP-C5E26138-7E86-407C-8666-8909360ADB4D","uid":"141b1f82-9bfa-4809-b728-b98e05068aca","name":"lvmocp05sc","annotations":{"description":"lvmocp05sc"},"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	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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'"

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

4.15.5 `getPersistentVolumes`

This method is used to return the list of OCP PersistentVolumes in HCL BigFix CLM.

Method Signature:

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

Sample Response:

```
[{"entityId":"PERSVOL-04EC97E7-CD57-4EE7-AED7-0B7EA6189AC4","platformEntityId":"OCP-C5E26138-7E86-407C-8666-8909360ADB4D","uid":"6c9fc09b-33c0-4a6f-971c-18b21367c04f","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. 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: Function will be called in synchronous mode. i.e. Current execution will wait for method execution to complete 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.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

4.15.6 getVirtualMachines

This method is used to return the list of OCP Virtual Machine in HCL BigFix CLM.

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":"f0b015f3-3186-451d-92e5-7287d5a5d272","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" }, {"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.

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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 OCP Persistent Volume Claims in HCL BigFix CLM.

Method Signature:

`getPersistentVolumeClaims (controlId, async, callback, addlparam, null, namespaceuid)`

Sample Response:

```
[{"entityId": "PERSVOLCLM-F0A61E7E-A7BB-4062-BE9A-AC4AAD4CF742", "platformEntityId": "OCP-C5E26138-7E86-407C-8666-
```

```

8909360ADB4D", "uid": "6e5ea57e-366b-49ec-a8d9-
befcd2cd91f6", "name": "centos7-coffee-grasshopper-
10", "namespaceName": "default", "namespaceUid": "xxxxx", "labels": {"aler
ts.k8s.io/KubePersistentVolumeFillingUp": "disabled", "app": "container
ized-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": "4.15.4", "instancetype.kubevirt
.io/default-
instancetype": "ul.medium", "instancetype.kubevirt.io/default-
preference": "centos.7", "kubevirt.io/created-by": "f0b015f3-3186-451d-
92e5-
7287d5a5d272"}, "annotations": {"cdi.kubevirt.io/cloneFallbackReason":
"In      tree      storage      class      does      not      support
snapshot/clone", "cdi.kubevirt.io/cloneType": "copy", "cdi.kubevirt.io/
createdForDataVolume": "48691d38-b4e6-40ca-afbe-
0040f547f13a", "cdi.kubevirt.io/storage.clone.token": "eyJhbGciOiJIUzI
1NiJ9.eyJleHAiOiE3MjM0NzMTk5ImhhdCI6MTcyMzQ3MzMxOSwiaXNzIjojY2RpLW
FwaXNlcnZlciIsIm5hbWUiOiJjZW50b3M3LTAYYWE0NWZiY2JhZCIsIm5hbWVzcGFjZS
I6Im9wZW5zaGlmdC12aXJ0dWFSaXphdGlvbiIvcylybWFnZXMiLCJuYmYiOiE3MjM0Nz
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50b3M3LWNvZmZlZS1ncmFzc2hvcHB1ci0xMCIsInRhcmdldE5hbWVzcGFjZSI6ImRlZm
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R2b2x1bWVjbGFpbXMiLCJ2ZXJzaW9uIjojdjEifX0.10deIzkpl65h_1iobQt1grNF-
GSuVrOZctzFx5SzvAtYbKWUkkYS2eT3G8yu2i8Il8f79N-
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7A9pH1TLNx7rDlGLjKsgK5RhrnFjgLPlosMzvs8HBn0Qtu8B6IG0rHxNxZKSIDc7h0w2
90K4NlAsk1pswvNI244lAaemiltxsp_S5UTQfAs57N0IL-v6Rd8iFuk8KR1-
h07OJtg", "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
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```

```
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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 OCP Size based on ZONE.

Method Signature:

getConfigMaps (controlId, async, callback, addlparam, null, namespaceuid)

Sample Response:

```
[{"entityId":"CONFIGMAPS-F566D22B-9913-483A-8D82-6E79B24E5CC6","platformEntityId":"OCP-C5E26138-7E86-407C-8666-8909360ADB4D","uid":"5ec5709d-04e0-470b-b2b6-ce4ecfde81ca","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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname"

Parameter Name	Type	Mandatory	Description
			To Sort Order: 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.

4.15.9 getNetworkAttachments

This method is used to return the list of OCP Network Attachments in HCL BigFix CLM.

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":"c5c83ad0-2254-4a7a-a47d-7e859afbd6f7","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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete 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.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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.

4.15.10 getSecrets

This method is used to return the list of OCP secrets in HCL BigFix CLM.

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":"8265d745-80df-4913-9a02-116671cc07c7","name":"builder-dockercfg-g5fqx","nameSpaceName":"default","nameSpaceUid":"xxxxx","data":{".do
```

ckercfg": "eyJxOTIuMTY4LjI0Ni4xMDY6NTAwMCI6eyJlc2VybmFtZSI6InNlcnZpY2VhY2NvdW50IiwicGFzc3dvcmQiOiJleUpoYkdjaU9pSlNVekkxTmlJc0ltdHBaQ0k2SW5wMVJWU1Ria3g0UWtaek5qUmpTa0Z2WlhseFFWbElUMFp2VW5ReVZrb3pZVE5qVDJjeFFWcGxlbmNpZlEuZXlKcGMzTWlPaUpyZFdKbGNtNWxkr1Z6TDNOBGnuWnBZMlZoWTJ0dmRXNTBjaXdpYTNWaVpYSnVaWFJsY3k1cGJ5OXpaWEoyYVdObFlXTmpiM1ZlZEM5dVlXMWxjM0JoWTJVaU9pSmtaV1poZFd4MElpd2lhM1ZpWlhKdVpYUmxjeTVwYnk5elpYSjJhV05sWVdOamIzVnVkQz16WldOeVpYUXVibUZ0WlNjNk1tSjFhV3hrWlhJdGRHOXJaVzR0WTJKeWFib2lMQ0pyZFdKbGNtNWxkr1Z6TG1sdkwzTmxjblpwWTJWaFkyTnZkVzUwTDNOBGnuWnBZMlV0WVdOamIzVnVkQzV1WVcxbElqb2lZblZwYkdSbGNpSXNJbXQxWW1WeWJtVjBaWE11YVc4dmMyVnlkbWxqWldGaikyOTFib1F2YzJWeWRtbGpaUzFoWTJ0dmRXNTBmb1ZwWkNjNk1qTmpe1l4TW1RMkxUbGhPRFV0TkRfMk55MDVPRGt6TFdFMk1HVTRPRFUxWldFeVppSXNJbk4xWW1JNklutjVjM1JsY1RwelpYSjJhV05sWVdOamIzVnVkRHBRWldaaGRXeDBPbUoxYVd4a1pYSWlmUS5COGJHeENISEExSnN6a3REY2ZpcmJHWWdQY1UwSUFkOHZnblBTZWlnN1RVc2pBeFEtXzZlM0pGM3kwaWhucVZ0ZWVYRW1zS1RRXzh4NUtBbz djNFZuUzBDLThycHFrRUS4LWdEV21LcWpxRmZvUnVZMmF2RGFqSks2TU9LSGplWTFwbV3Tz1ObHRSTlh3SE5hUGdzOUJRNkdQc2Z1YzhRSzVSb21RbnNMZ053WWZzZ3hQcXprSmlUbEh6cTdGd1lNSU1nV0NBWUQtWZPeDViOS13b3NtUEJmZmR1VXhwbNNSREdrWS1MaTBxekNxWjFyUC1oVV9IUdF6RlRDVGvYrkJPaGhCeWthdEhid2k2a20weHRMZfVhbUM2NFV4QVdYdE5kcWI0VmZkalp6Rl1RRkd6VUFpZmlHcUJlQmVyZmU4bnVLeKxnNklsSXcyUEhKZl8yM201Q0c4Q1NhVHhCc0hQZlQtaWdPMnhMSTM5amgwOVZUamlnVG10dWJhOGNzZ3p5WmYyWnF2Tj1TN29uanB1WFhEa0Z3NV1aa3F4QU9tQ0s0U2RfM1l4cHFfS0JhMkNBdlVxeTNwRW81ZnNXWjBSclBMR1VPSTYwUHAwSzE5TmZJenkyN2lfZ29rWU1EN0x6cmx4M211bzBoZlpWUHZBMG5BODdGskRKWDRjYUstX3N2eGwyLTRSb2V4bklqYi1CMWVJZ0dWU05oN1NqV2R1TU1wMTJ1TTFEvgCX210U0E1bWpmTFdDVWVWdklsak9FQVFPN2kzWnM4V0VrUjNPOUE0Q1I0NUU5WHRzeHotTm1ya2pGeGw1MVo5YVVDN29FVUF1T2psRGVnc0ZBS21KYUdUamY1OEJyTlZiMnZSY0dHY29fUmRlcHB1S2F0WjBXZnlwdjRQVSIsImVtYWlsIjoic2Vydm1jZWJjY291bnRAZXhhbXBsZS5vcmc1LCJhdXRoIjo1YzJWeWRtbGpaV0ZqWTI5MWJuUTZaWGxLYUdKSfkybFBhVXBVlhwSk1VNxbTWE5KYlhSdl1drTkpoA2x1Y0RGU1ZsSlVZbXQ0TkZGclducE9hbEpXVTJ0R2RscFlisGhSVm14SlZEQmFkbFZ1VVhsV2EyOTZXV1JPYwXReVkaFJWbkJzWlclamFXW1JMbVY1U25Cak0wMXBUMmxLY21SWFNteGpiVFZzWkV3V2Vrd3pUbXhqYmxwd1dUSldhRmt5VG5aa1Z6VXdTV2wzYVdFelZtbGFfXRXAxV2xoU2JHTjVOWEJpZVRsNldsaeTnbUZyVG14W1YwNXFzak5XZFdsRE9YVlpWekZzWXpOQ2FGa3lWV2xQYVVwcldsZGFhR1JYZURCSmFYZHBZVE5XYVZwWVNvVmFXRkpzWtNrMWNHsjVPWHBhV0VveVlWZE9iRmxYVG1waU0xWjFaRU01ZWxwWFRubGFfXkYxWW0xR2RGcFRTVfPky1VveFlWZDRhMXBZU1hSa1J6bH1XbGMwZEZrevNubGhTRzlwVEVOS2NtUlhTbXhqY1Rwc1pFZFdla3h0YkhaTU0wNXNZMjVhY0ZrevZtaFpNazUyWkZjMU1Fd3pUbXhqYmxwd1dUS1ZkRmxYVG1waU0xWjFaRU0xZFZsWE1XeEphbTlwV1clV2NHSkhVbXhqYVVs1NXMTBNVm

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pWREJhZGxWdVvYbFdhMjk2V1ZST2FsUXlZM2hSVm5Cc1pXNWphV1pSTG1WNVNqMpmND
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3C692CD36268"}]

```

Parameter Details:

Table 162 - getSecrets

Parameter Name	Type	Mandatory	Description
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	In case it's False: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete 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 the next statement.
callback	Function	N	Users can pass a 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting orders 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.

4.15.11 getTemplates

This method is used to return the list of Templates in HCL BigFix CLM.

Method Signature:

getTemplates (controlId, async, callback, addlparam, null, namespaceuid)

Sample Response:

```
[{"entityID":"TEMP-AE57BE1D-40BA-492E-84DA-134310FF0D43","platformEntityID":"OCP-C5E26138-7E86-407C-8666-8909360ADB4D","uid":"08556a9b-649f-4ebf-97ef-98be64abb170","name":"example","nameSpaceName":"default","nameSpaceUId":"xxxxx","labels":{"os.template.kubevirt.io/fedora":"true","templ
```

```

ate.kubevirt.io/type":"vm","workload.template.kubevirt.io/server":"t
rue"},"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-
rhel19@sha256:077e155806a3541ef2d6c0ea3bf87bc7491a51cb1197be4991cf0da
13eade fab"}},{ "cloudInitNoCloud":    {"userData":"#cloud-confignuser:
fedoranpassword:  \`${CLOUD_USER_PASSWORD}\`'nchpasswd:  {   expire:
False    }"},"name":"cloudinitdisk"},"name":"disk-tomato-chameleon-
80","persistentVolumeClaim":    {"claimName":"win2k22-purple-boar-
57"}]], "machineType":"q35","networkDetails":{"cloudInitNoCloud":
{"userData":"#cloud-confignuser:                                fedoranpassword:
\`${CLOUD_USER_PASSWORD}\`'nchpasswd:                                {                                expire:
False  }"},"name":"cloudinitdisk","nicdetails":[{"name":"default","po
d":{},"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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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	Addlparam is used for filtering and sorting the records. It contains 3 properties filter/sortby/sortorder. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 in HCL BigFix CLM.

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.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":"6f091a87-911c-4a0b-
```

```
8b04-79ff9564775a", "name": "result", "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"
provisioningEndPointId	string	N	User can provide provisioningEndPointId.


```

": "Always", "dnsPolicy": "ClusterFirst", "serviceAccountName": "default",
"serviceAccount": "default", "nodeName": "openshift.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": "40cc4fce-2dfa-46d3-9a6a-00a31b8bd96f", "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete 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.
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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

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:latest","namespace":"voting-app"},"fieldPath":{"spec.template.spec.containers[?(@.name==\\\\"container\\\\")].image"},"paused":{"false"}}],"replica":"1","selector":{"matchLabels":{"app":"mycdeployment3275"}},"strategyType":"Recreate","maxUnavailable":"","maxSurge":"","observedGeneration":1,"replicas":1,"updatedReplicas":1,"readyReplicas":null,"availableReplicas":null,"entityId":"OCPDEPLOY-442EB31C-3EE2-4318-BAC3-
```

```
4C6AEF824005", "platformEntityId": "OCP-CD351169-215D-44A6-9584-37DAAFE7A2A0", "uid": "fd69c3a2-92f9-48b4-969c-cab88108d906", "name": "mycdeployment3275", "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: To define sorting order either ASC (Ascending) or DESC (descending). e.g., sortorder="ASC"

Parameter Name	Type	Mandatory	Description
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 HCL BigFix CLM.

Method Signature:

getBuildconfigs (controllId, async, callback, addParam, provisioningEndPointId, namespaceuid)

Sample Response:

```
[{"resourceVersion":"458594032","labels":"","triggers":"","runPolicy":"Serial","source":{"type":"None","contextDir":"voting-appvote"},"strategy":{"type":"Source","sourceStrategy":{"from":{"kind":"ImageStreamTag","name":"result:latest"},"env":[{"name":"Environment","value":"Production"}, {"name":"POSTGRESQL_PASSWORD","valueFrom":{"secretKeyRef":{"name":"postgres-secret","key":"POSTGRESQL_PASSWORD"}}}, {"name":"POSTGRESQL_USER","valueFrom":{"secretKeyRef":{"name":"postgres-secret","key":"POSTGRESQL_USER"}}}, {"name":"POSTGRESQL_DATABASE","valueFrom":{"configMapKeyRef":{"name":"postgres-config","key":"POSTGRESQL_DATABASE"}}}]}}, {"env":"","output":{"to":{"kind":"ImageStreamTag","name":"result:latest"}},"resources":{},"postCommit":{},"nodeSelector":"","status":{"lastVersion":0},"entityId":"OCPBCONFIG-DBFA3255-33C3-474B-B623-520502817053","platformEntityId":"OCP-CD351169-215D-44A6-9584-37DAAFE7A2A0","uid":"cb69e00d-3ce0-492b-a01c-8f248ad92389","name":"mycbuildconfig49","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
controllId	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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM.

Method Signature:

getRoutes (controlId, async, callback, addlparam, provisioningEndPointId, namespaceuid)

Sample Response:

```
[{"resourceVersion":"462530304","annotations":{"openshift.io/host.generated":"true"},"labels":{"app":"httpd"},"specHost":"mycnewroute17-
```

```
default.apps.openshift.com", "specToName": "mycnewroute17", "specToKind": "Service", "specToWeight": 100, "specPort": {"targetPort": 8080}, "statusIngressHost": "mycnewroute17-default.apps.openshift.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": "d35e0a1c-9e4c-4021-b76f-e967f3e2ce96", "name": "mycnewroute17", "nameSpaceName": "default", "nameSpaceUid": "xxxxxx", "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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname='keyvalue'" To Sort By:

Parameter Name	Type	Mandatory	Description
			To sort the data based on column name. e.g., sortby="keyname"
			To Sort Order: 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.

4.15.17 getServices

This method is used to return the list of Services in HCL BigFix CLM.

Method Signature:

getServices (controllId, 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.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":"334536e3-1806-484d-8f1c-04a26b257a8c","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. 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: Function will be called in synchronous mode. i.e., Current execution will wait for method execution to complete In case it's True: 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. To Filter: To filter records based on column name received from output. e.g., filter="keyname=keyvalue" To Sort By: To sort the data based on column name. e.g., sortby="keyname" To Sort Order: 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 HCL BigFix CLM 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 HCL BigFix CLM 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 Configuration and then click Integration.
2. Click + Integration.
3. Then click on ITSM.

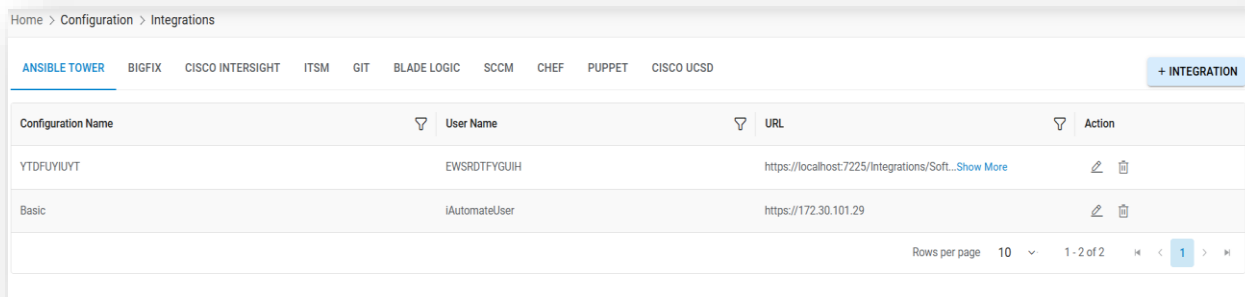


Figure 33 - Configuration

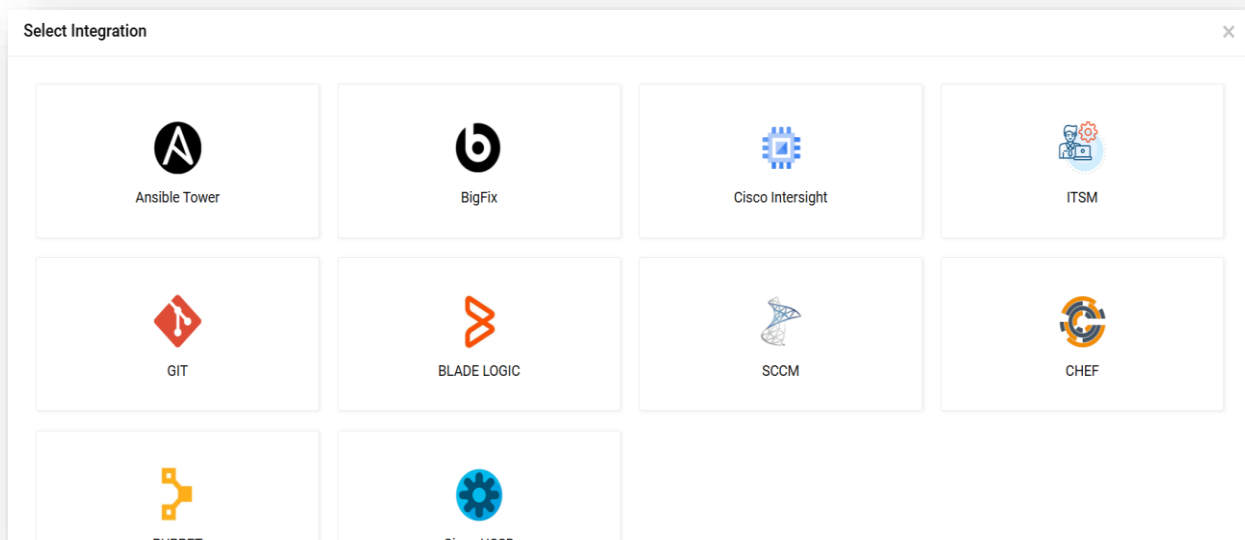


Figure 34 – Select Integration

ITSM

☒ Add Configuration ☐ Import Configuration

Basic Information
Please provide the details to add an ITSM Integration.

Organization: HCLOrganization

Tool Type*: --Select--

Configuration Name*

Authentication Details
Please provide the details to add an ITSM Integration.

Authentication Type: Please select the Authentication Type.

Content Type: Please select the Content Type.

Header Tags: Please enter the Header Tags details in Key and Value.

Header Tags

Key	Value

Step Details

Step Name* Step URL* Method Type*: --Select-- Content Type*: --Select--

CANCEL ADD

Figure 35 – Add Configuration

4. Select Tool Type.
5. Organization will be filled automatically.
6. Enter Configuration Name.
7. Select Authentication Type. Based on selected Authentication Type, share the information.
8. Enter Header Tags.
9. Select Content Type.
10. In the Step Detail section, provide Step Name, Step URL, Method Type, and Content Type.
11. Click Save.

The screenshot shows a web-based configuration window titled "ITSM". At the top, there are two radio buttons: "Add Configuration" (selected) and "Import Configuration". The window is divided into several sections:

- Basic Information:** Includes a dropdown for "Organization" (HCL Organization), a dropdown for "Tool Type" (SNOW), and a text input for "Configuration Name" (Test Config TTT).
- Authentication Details:** Includes a dropdown for "Authentication Type" (OAuth2), a text input for "User Name" (TTTTTTTTTTTTTT), a password field for "Password", a text input for "OAuth URL" (/Integrations/SoftwareEndPoints), and a dropdown for "Content Type" (application/javascript).
- Header Tags:** A section with a table-like structure for "Key" and "Value" with an "Add" button.
- Step Details:** A section at the bottom with inputs for "Step Name" (RTYUJ), "Step URL" (webUI/int...), "Method Type" (PUT), and "Content Type" (application/javascript), along with "Cancel" and "Add" buttons.

Figure 36 - Add Snow Configuration

Refer to 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 HCL BigFix CLM.
Username	User credentials which have access to ITSM endpoints
Content Type	What content type supports 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 supports 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.

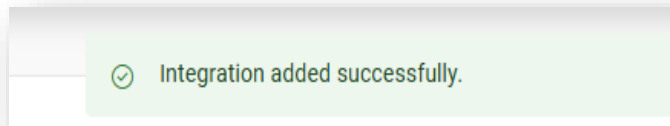


Figure 37 - Confirmation Message

12. Click OK.

The ITSM Configuration is added, and it appears in the View Configuration tab.

All fields marked with asterisk (*) are mandatory. For more details on View Configuration tab, refer to HCL BigFix CLM 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 steps below:

1. On the Manage Process Template screen, click Add Template tab.

The screenshot shows the 'Manage Process Template' interface. At the top, there is a breadcrumb 'Home > Design > Workflows' and a dropdown menu for 'Platform' set to 'Amazon Web Services'. A '+ PROCESS TEMPLATE' button is in the top right. Below the platform selector, a note states 'All dates are in mm/dd/yyyy format'. The main area contains a table with the following columns: Template Name, UI Template, Associated Service Catalogs/Actions, Created On, and Actions. The table lists several templates, most with 'testDummy' as the UI Template and 'NA' for associated actions. The last two rows show templates associated with 'BPUITemplate' and 'AWS - Terminate Instance'. Each row has an active status indicator (blue toggle) and a vertical ellipsis for actions. At the bottom right, there is a pagination control showing 'Rows per page 10' and '1 - 10 of 80'.

Template Name	UI Template	Associated Service Catalogs/Actions	Created On	Actions
testvinishnew (Version 1)	testDummy	NA	07/15/2025	Active
tesgkahsd (Version 1)	testDummy	NA	07/14/2025	Active
ankihjgahsd (Version 1)	testDummy	NA	07/14/2025	Active
lajhsjdhasd (Version 1)	testDummy	NA	07/14/2025	Active
an (Version 1)	testDummy	NA	07/14/2025	Active
wsedf (Version 1)	testDummy	NA	07/14/2025	Active
fdld (Version 1)	AWS - Terminate Instance	NA	07/11/2025	Active
testDummy (Version 1)	testDummy	testDummy	07/08/2025	Active
123456543wd (Version 1)	BPUITemplate	NA	07/08/2025	Active
12345 (Version 1)	BPUITemplate	NA	07/08/2025	Active

Figure 38 - Add Manage Process Template

Figure 39 – Add Template

Refer to the table below 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 HCL BigFix CLM. 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.

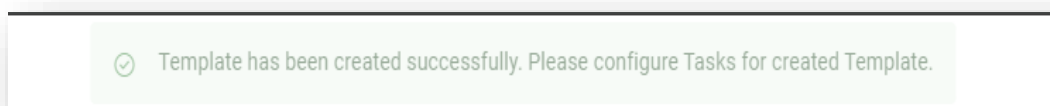


Figure 40 - Add Template Confirmation Template

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 the following types:

- Generic Task: These are out of box tasks provided by HCL BigFix CLM which has predefined process to execute in orchestrator engine of HCL BigFix CLM.
- Custom Task: These are the tasks where users can add PowerShell and Python scripts to execute tasks in orchestrator engine of HCL BigFix CLM.
- 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 ().

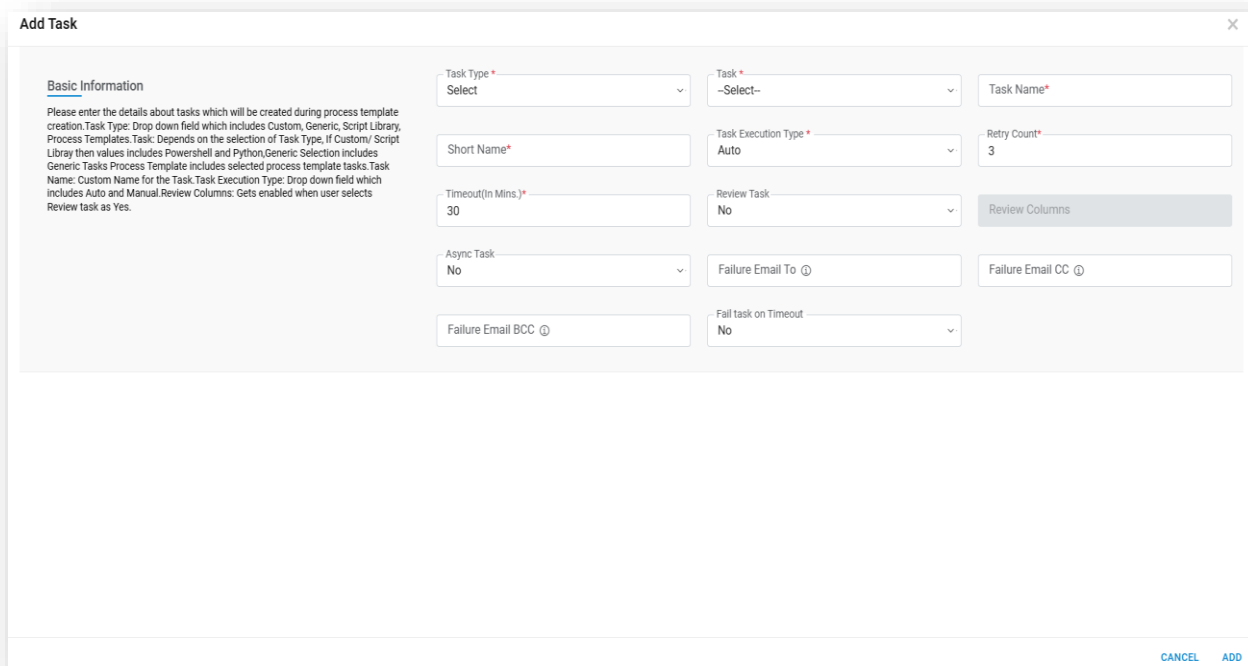


Figure 41 - Add Manage Process Template (Cont.)

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	The field highlights the tasks that need to be added in the process template. If provider user selects generic task under task type, then HCL BigFix CLM 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: 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 HCL BigFix CLM predefined functions to execute the script.

Fields	Description
	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 HCL BigFix CLM predefined functions to execute the script. Task Help icon () shows all the task details like task code, task name, platform, description etc.
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.
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, Auto: Auto task execution type executed by orchestrator engine in HCL BigFix CLM for submitted service requests Manual: Manual task execution will be executed by respective support team manually and update the status in ITSM tool. Simultaneously, ITSM tool will notify HCL BigFix CLM 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 HCL BigFix CLM triggers the task and save the acknowledgement no. once task is completed third party tool will invoke HCL BigFix CLM 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.

Fields	Description
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 HCL BigFix CLM 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 within the group.
Group sequence	Helps to set the sequence of a group.
MoveTask	Under MoveTask there are below options : MergeTask up into group above. MergeTask Down into the group below
Ungroup task	Under MoveTask there are below options: Ungroup and move task Up. 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.

The screenshot shows a web application window titled "Process Template: TestProcess". It contains a table with the following columns: S.No., Task Type, Task Code, Task Name, Notify Success, Notify Failure, Group Sequence, Move Group, Move Task, and Action. The table has one row with the following data: S.No. 1, Task Type Custom, Task Code POWERSHELL, Task Name TestNameABHI, Notify Success and Notify Failure both with empty checkboxes, Group Sequence 1, Move Group with a down arrow, Move Task with a down arrow, and Action with a vertical ellipsis. Above the table, there is a "+ TASK" button and a status indicator "Filters Applied" (green dot) and "Filters not applied" (red dot). Below the table, there is a blue "UPDATE" button.

Figure 42 - Add Task

The new task has been added successfully and appears in the list of existing tasks.

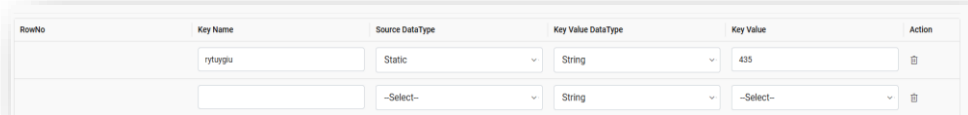
5.1.1.1 Manage Task

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.

Static: To specify the fix hard coded parameter value to workflow task.

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 \$.ConfigurationName.KeyName

Key value: it shows Map key value button () option to add parameter values. On click of Map Key value below popup opens.



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 HCL BigFix CLM which are RequestDetailID and RequestmasterNo.

It is used in various APIs which HCL BigFix CLM supports for e.g., GetVMname, Update CI etc. For SQL function datatype all HCL BigFix CLM 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.

Manage Custom Task [TestNameABHI - POWERSHELL]

Script* ⓘ Note: Supported Powershell versions are 5.1 and above.

Response Separator
This key is used to contains separator of process task result to get fields.

Response Separator* ⓘ
Field Separator ";" Value Separator ":"

Parameter Mapping

#	Parameter Name *	Data Type *	Parameter Value *
#1	Parameter Name *	--Select--	--Select--

CANCEL ADD

Figure 44 - Script Writing

- With the help of (+) Provider user adds all the dynamic variables of PowerShell with dynamic UI control values and [HCL BigFix CLM Predefined SQL Function List](#).

Parameter Mapping

#	Parameter Name *	Data Type *	Parameter Value *
#1	StringPara	String	RequestMasterNo
#2	Parameter Name *	--Select--	--Select--

+ CANCEL ADD

Figure 45 - Script Writing (Cont.)

- Click Submit to save the details. Click Close to discard the changes.

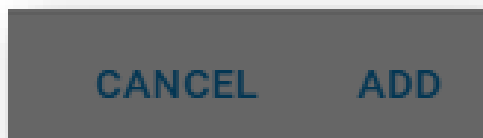


Figure 46 - Response Parameters Mapping

- A success message box appears if you choose to discard the changes. Click Ok.

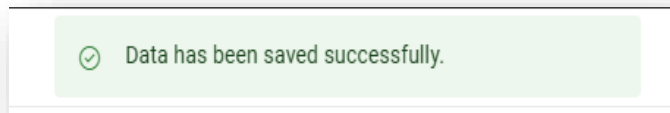


Figure 47- Confirmation Message

5. On clicking Submit, the following screen appears. Click Save.

 The screenshot shows a web application window titled "Process Template: TestProcess". It contains a table with two rows of task data. Below the table is an "UPDATE" button. In the top right corner, there is a "+ TASK" button and a status indicator showing "Filters Applied" (green dot) and "Filters not applied" (grey dot).

S.No.	Task Type	Task Code	Task Name	Notify Success	Notify Failure	Group Sequence	Move Group	Move Task	Action
1	Custom	POWERSHELL	TestNameABHI ⓘ	☐ ⓘ	☐ ⓘ	1	↓	↓	⋮
2	Generic	CLONE20	Clone ⓘ	☐ ⓘ	☐ ⓘ	2	↑	↑	⋮

Figure 48 - Task View

A confirmation message appears as below:

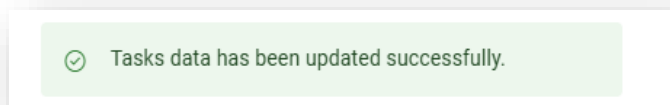


Figure 49 -Task Confirmation Message

6. Click OK.

All the fields marked with asterisk (*) are mandatory.

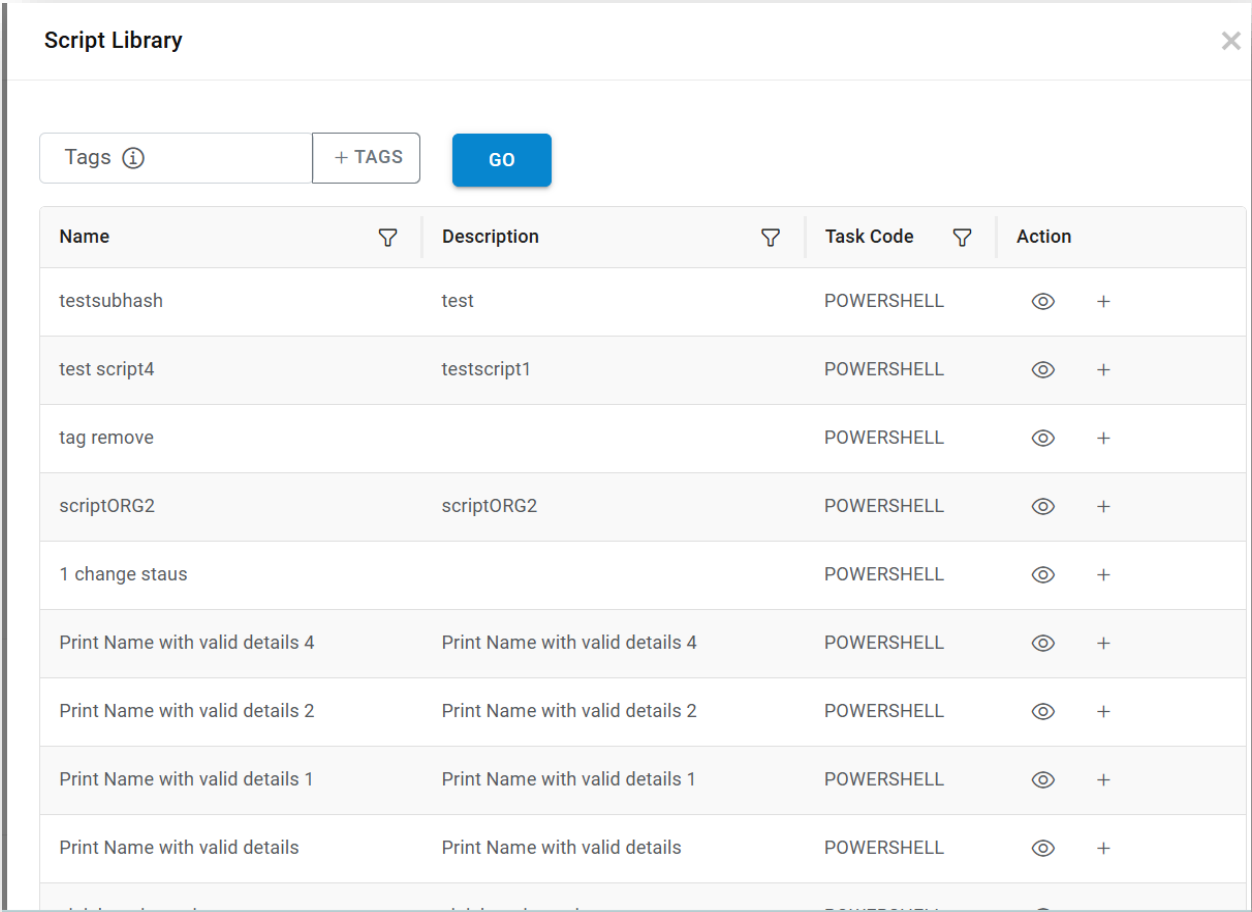
5.1.1.1.3 Script library

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.

 A white rectangular search bar with a blue border. Inside the bar, the word "Search" is written in a light grey font. To the right of the bar is a blue square button with a white magnifying glass icon.

Figure 50 – 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.



The image shows a 'Script Library' popup window. At the top, there is a search bar with a magnifying glass icon, a '+ TAGS' button, and a blue 'GO' button. Below this is a table with columns: Name, Description, Task Code, and Action. The table lists several scripts, including 'testsubhash', 'test script4', 'tag remove', 'scriptORG2', '1 change staus', and several 'Print Name with valid details' entries. Each row has a 'Task Code' of 'POWERSHELL' and an 'Action' column with an eye icon and a '+' sign.

Name	Description	Task Code	Action
testsubhash	test	POWERSHELL	 +
test script4	testscript1	POWERSHELL	 +
tag remove		POWERSHELL	 +
scriptORG2	scriptORG2	POWERSHELL	 +
1 change staus		POWERSHELL	 +
Print Name with valid details 4	Print Name with valid details 4	POWERSHELL	 +
Print Name with valid details 2	Print Name with valid details 2	POWERSHELL	 +
Print Name with valid details 1	Print Name with valid details 1	POWERSHELL	 +
Print Name with valid details	Print Name with valid details	POWERSHELL	 +

Figure 51 - 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.

The Task View dialog box contains the following fields and controls:

- Task Type ***: Script Library (dropdown)
- Task * ⓘ**: PowerShell Script (dropdown)
- Script ***: test script4 (text input with search icon)
- Task Name ***: Test Script (text input)
- Short Name ***: (text input)
- Task Execution Type ***: Auto (dropdown)
- Retry Count ***: 3 (text input)
- Timeout(In Mins.)***: 30 (text input)
- Review Task**: No (dropdown)
- Review Columns**: (button)
- Async Task**: No (dropdown)
- Failure Email To ⓘ**: (text input)
- Failure Email CC ⓘ**: (text input)
- Failure Email BCC ⓘ**: (text input)
- Fail task on Timeout**: No (dropdown)

Buttons: CANCEL, ADD

Figure 52 – 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 HCL BigFix CLM 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 HCL BigFix CLM.

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 HCL BigFix CLM notifies the ITSM tool regarding the completion of a specific task.

Notify Success

Basic Information

Please enter the Name of the task and select the Service Name.

Name*

Service Name*
~Select~

Request Json

Request JSON format to be placed here. All the dynamic values has to be replaced with variable starting with @.
Example: { "Key1": "@Value1", "Key2": [{"k1": "@v1"}], "Key3": {"k2": "@v2"} }

Request Json*

CONFIGURE REQUEST PARAMETER

Response Json

Response JSON format to be placed here. All the dynamic values has to be replaced with variable starting with @.
Example: { "Key1": "@Value1", "Key2": [{"k1": "@v1"}], "Key3": {"k2": "@v2"} }

Response Json

CONFIGURE RESPONSE PARAMETER

CANCEL ADD

Figure 53 - 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 HCL BigFix CLM and ITSM tool. In such a case, request JSON values need to be mentioned with prefix "@".
8. Request JSON format example:

```
{
  "Kye1": "@Value1",
  "Key2": [{"k1": "@v1"}],
  "Key3": {"k2": "@v2"},
  "Key4": "@OperationRequestDetailId"
}
```

9. After adding Valid Request JSON, click on Configure Request Parameter.
10. All dynamic parameters will get displayed under Request Parameter Mapping.

Request Parameters Mapping

Parameter Name	Data Type	Parameter Value
@Value1	--Select--	--Select--
@v1	--Select--	--Select--
@v2	--Select--	--Select--
@OperationRequestDetailId	--Select--	--Select--

Figure 54 - 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 HCL BigFix CLM. Through this HCL BigFix CLM understand whether a task has been completed or not.
14. Example of Response JSON:

```
{
  "Key1": "@Value1",
  "Key2": [{"k1": "@v1"}],
  "Key3": {"k2": "@v2"}
}
```

15. Click on Configure Response Parameter.

@v2 --Select-- --Select--

@OperationRequestDetailId --Select-- --Select--

Response Json

Response JSON format to be placed here. All the dynamic values has to be replaced with variable starting with @.
Example: { "Key1": "@Value1", "Key2": [{"k1": "@v1"}], "Key3": ["k2": "@v2"] }

```
{
  "Key1": "@Value1",
  "Key2": [{"k1": "@v1"}],
  "Key3": ["k2": "@v2"]
}
```

CONFIGURE RESPONSE PARAMETER

Success Criteria

Parameters	Response Type	Value
--Select--	Static	

CANCEL ADD

Figure 55 - 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 HCL BigFix CLM 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 HCL BigFix CLM to mark ITSM task (success/Failure) in HCL BigFix CLM to close the task.
 - Dynamic: In case of Dynamic response, ITSM tool will use the incident number to communicate with HCL BigFix CLM 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 HCL BigFix CLM.

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.

Task Filter(s)

For Column Value - Special characters like quotes(""), slash("\"), apostrophe(') are not allowed.

Table Name *	Column Name *	Operator *	Column Value *	Clause
--Select--	--Select--	--Select--		--Select--

Figure 56 - Task Filter

2. Refer to 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:

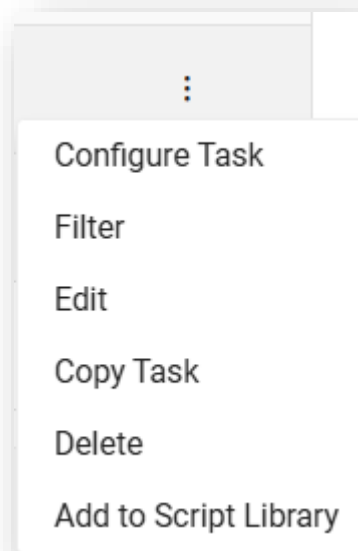


Figure 57 – Task Actions

- **Edit Task:** You can edit the task fields like Task Name, Short task Name, Retry count and Timeout limits etc.
- **Delete Task:** You can delete a task from the existing list of tasks by clicking on Delete option.
- **Move Task:** You can set the sequence of a task as per the requirement by using  icon.
- **Move Group:** You can set the sequence of a Group as per the requirement using  icon. Same group task will execute parallel.
- **Ungroup task:** You can ungroup task by using  icon. Users can Ungroup any task above or below the groups.

2. 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.

Add to Script Library [X]

Basic Information

Please enter the name of the script and description of the script.

Name*

Description*

Others

Tags: Apply Tag(s) to Script Library. Enter tag and click on +TAGS button.

Tags ⓘ + TAGS

CANCEL ADD

Figure 58 - Add to Script Library

3. Enter Name, Description and Tags.
4. Click Add to Script Library.
5. A success message box appears.

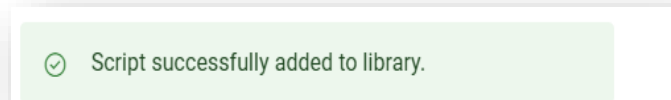


Figure 59 - Success Message

6. Click OK.

5.1.1.1.10 Copy Task

1. Click Copy Task () to a window pops up to Manage Task.

Copy Task

Basic Information

Please enter the details about tasks which will be created during process template creation.

Task Name: Custom Name for the Task.

Task Execution Type: Drop down field which includes Auto and Manual.

Review Columns: Gets enabled when user selects Review task as Yes.

Task Name*

Short Name*

Task Execution Type *

Auto

Retry Count*

3

Timeout(In Mins.)*

30

Review Task

No

Review Columns

Async Task

No

Failure Email To

Failure Email CC

Failure Email BCC

Fail task on Timeout

No

CANCEL

ADD

Figure 60 – Copy Task

2. Refer to 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, Auto: Auto task execution type executed by orchestrator engine in HCL BigFix CLM for submitted service requests Manual: Manual task execution will be executed by respective support team manually and update the status in ITSM tool. Simultaneously, ITSM tool will notify HCL BigFix CLM 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 HCL BigFix CLM triggers the task and save the acknowledgement no. once task is completed third party tool will invoke HCL BigFix CLM 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

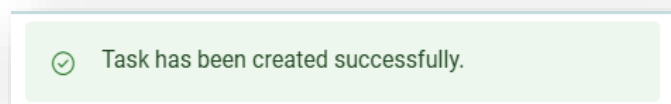


Figure 61 – Copy Task – Success Message

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:

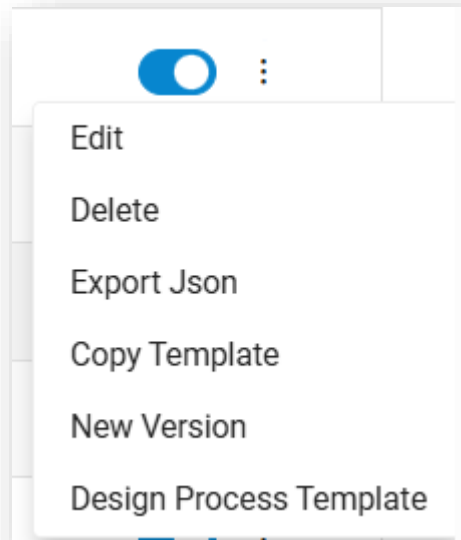


Figure 62 – Manage Template

- 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 steps:

1. On the Workflow screen, click .
2. Select Platform.
3. This lists down all the configured process templates in a tabular view:

Home > Design > Workflows

Platform: Amazon Web Services

+ PROCESS TEMPLATE

All dates are in mm/dd/yyyy format

● Active ● Inactive

Template Name	UI Template	Associated Service Catalogs/Actions	Created On	Actions
TestProcess (Version 1)	tretett	NA	07/16/2025	
testvinishnew (Version 1)	testDummy	NA	07/15/2025	
tesgkahsd (Version 1)	testDummy	NA	07/14/2025	
ankjhigahsd (Version 1)	testDummy	NA	07/14/2025	
lahsidhasd (Version 1)	testDummv	NA	07/14/2025	

Context menu for the first row:

- Edit
- Delete
- Export Json
- Copy Template
- New Version
- Design Process Template

Figure 63 - Edit Template (Cont.)

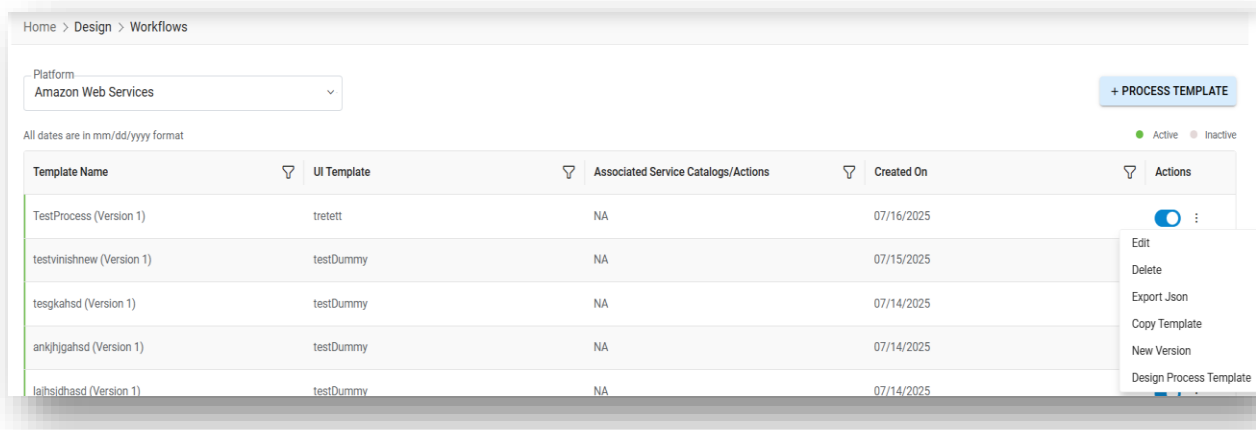


Figure 64 – Edit Template (Cont.)

4. Click Edit against the template to edit.
5. This re-directs the Provider to Add Template with all pre-populated details.
6. Modify the details as desired and click Save.

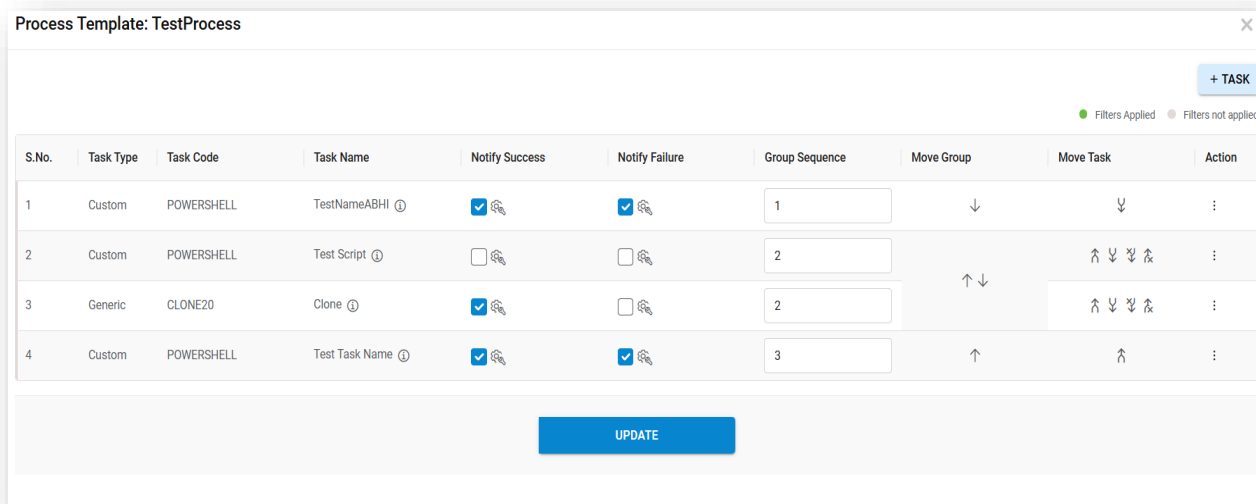


Figure 65 - Manage Process Edit Template

7. A confirmation message appears as below.

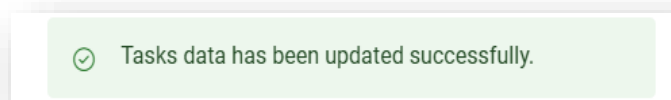


Figure 66 - Confirmation Message

5.2.2 Export Json

To export a process template, follow the below steps:

1. On the Manage Process Template screen, click Manage Template.

2. Select Platform.
3. Configured process templates list down in a tabular view:

Home > Design > Workflows

Platform: Amazon Web Services

+ PROCESS TEMPLATE

All dates are in mm/dd/yyyy format

Template Name	UI Template	Associated Service Catalogs/Actions	Created On	Actions
TestProcess (Version 1)	tretett	NA	07/16/2025	☒ Active ☐ Inactive Edit Delete Export Json Copy Template New Version Design Process Template
testvinishnew (Version 1)	testDummy	NA	07/15/2025	
tesgkahsd (Version 1)	testDummy	NA	07/14/2025	
ankihjgahsd (Version 1)	testDummy	NA	07/14/2025	
lahsjdhasd (Version 1)	testDummy	NA	07/14/2025	

Figure 67 - Export Process Template

4. Click Export Json.
5. 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:

Process Template: TestProcess

Basic Information

Please provide the required details to create and configure a template.

Platform: Select the cloud platform (e.g.- Amazon Web Services, Microsoft Azure, Google Cloud Platform) where the resources will be provisioned.

UI Template: Mandatory dropdown field to select corresponding UI Template.

Upload: Please select the UI template and upload its associated JSON file to create a new template of the selected cloud provider.

New : Please upload New JSON file.

Overwrite: Please upload JSON file to overwrite existing file.

☐ Manual
 ☒ Import

Amazon Web Services

UI Template *

tretett (Version 1)

☒ New
 ☐ Overwrite

Choose JSON file.

UPLOAD

Figure 68 - Import Process Template

2. Select the 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 the Overwrite option is selected from Point 1 then select the Process Template Name field.
6. Click on Import.

Process Template: TestProcess

Basic Information

Please provide the required details to create and configure a template.

Platform: Select the cloud platform (e.g., Amazon Web Services, Microsoft Azure, Google Cloud Platform) where the resources will be provisioned.

UI Template: Mandatory dropdown field to select corresponding UI Template.

Upload: Please select the UI template and upload its associated JSON file to create a new template of the selected cloud provider.

New : Please upload New JSON file.

Overwrite: Please upload JSON file to overwrite existing file.

☐ Manual ☒ Import

Amazon Web Services

UI Template *
tretett (Version 1)

☐ New ☒ Overwrite

Process Template *
TestProcess (Version 1)

testvinishnew.json **UPLOAD**

IMPORT

Figure 69 - Import Process Template (Cont.)

7. All the tasks in Process Template get 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 IMPORT.
10. A success message box appears.
11. Click ADD.

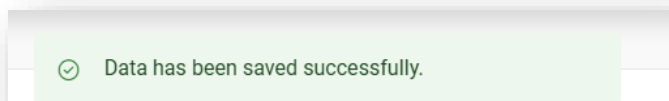


Figure 70 - Confirmation Message

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.

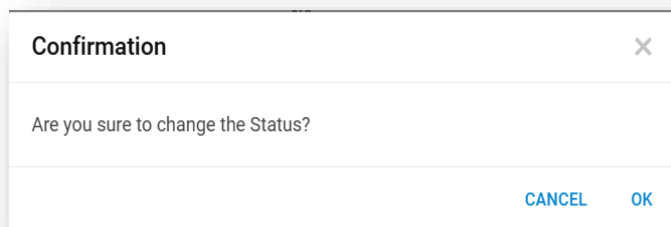


Figure 71 - Alert Message

3. Click OK to proceed further.

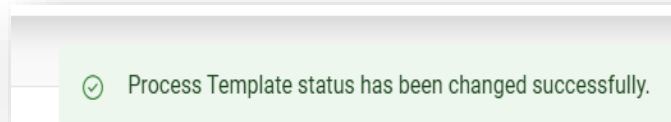


Figure 72 - Change Status Confirmation Message

4. Click OK.

All dates are in mm/dd/yyyy format

Template Name	UI Template	Associated Service Catalogs/Actions	Created On	Actions
TestProcess (Version 1)	tretett	NA	07/16/2025	☐ :
testvinishnew (Version 1)	testDummy	NA	07/15/2025	☒ :

Figure 73 - 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:

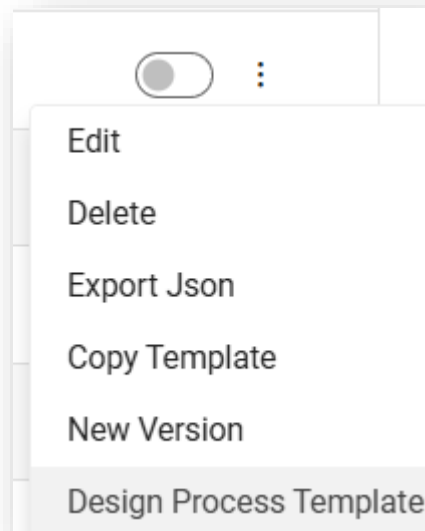


Figure 74 – Version of Process Templates

1. To create a new version of process template, click the New Version of above options.
2. On the click New Version of above options. Below popup will appear:

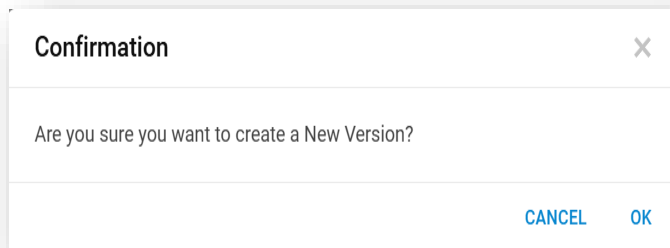


Figure 75 - Create New Version Confirmation Message

3. Click OK to proceed further.

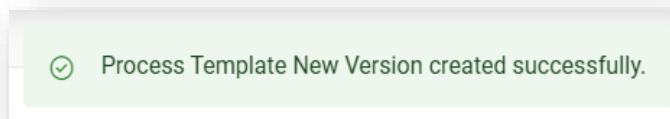


Figure 76 - Confirmation Message

4. Click OK.

A screenshot of a web application showing a list of process templates. At the top left, there is a dropdown menu for "Platform" with "Amazon Web Services" selected. To the right is a blue button labeled "+ PROCESS TEMPLATE". Below the platform selector, a note states "All dates are in mm/dd/yyyy format". The table has five columns: "Template Name", "UI Template", "Associated Service Catalogs/Actions", "Created On", and "Actions". There are two rows of data. The "Actions" column contains a toggle switch and a vertical ellipsis icon for each row. A legend at the top right indicates that a green dot represents "Active" and a grey dot represents "Inactive".

Template Name	UI Template	Associated Service Catalogs/Actions	Created On	Actions
TestProcess (Version 2)	trelett	NA	07/16/2025	☒ ⋮
TestProcess (Version 1)	trelett	NA	07/16/2025	☐ ⋮

Figure 77 - Configured process templates list down in a tabular view:

5.2.5 Copy Process Template

To create a new template, perform the following steps:

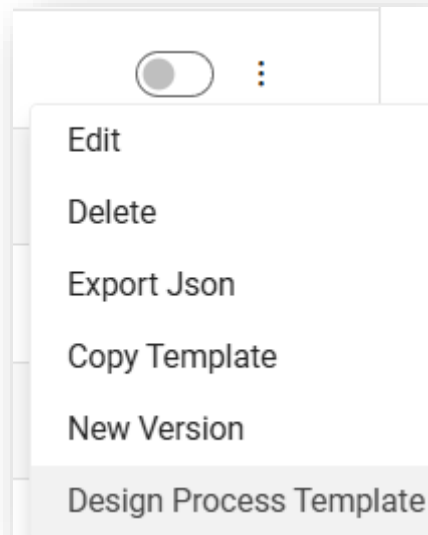
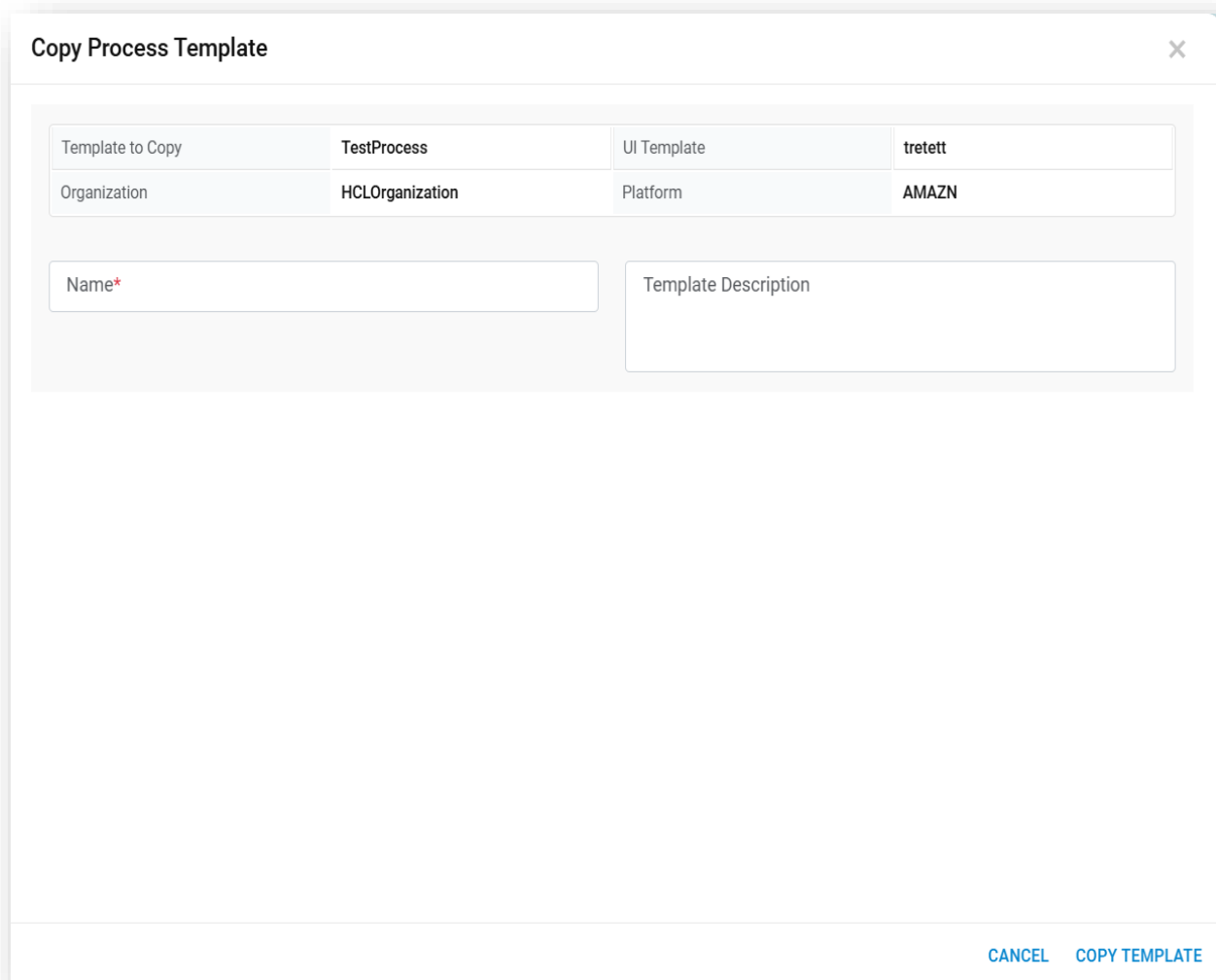


Figure 78 – Copy Template

1. Click on Copy Template option corresponding to the template to be copied.
2. The below window will appear:



The dialog box titled "Copy Process Template" contains a table with the following data:

Template to Copy	TestProcess	UI Template	tretett
Organization	HCLOrganization	Platform	AMAZN

Below the table, there are two input fields: "Name*" and "Template Description". At the bottom right, there are two buttons: "CANCEL" and "COPY TEMPLATE".

Figure 79 - Copy Process Template

3. Enter Template Name.
4. Enter Template Description.
5. Click Copy Template.
6. A success message box appears.

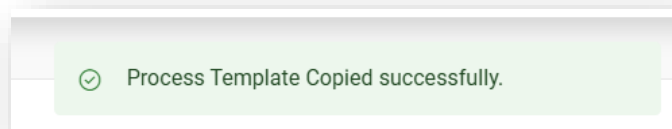


Figure 80 - Confirmation Message

7. Click OK.

5.2.6 Design Process Template

The section explains the detailed steps to create Process Templates using the graphical method within HCL BigFix CLM. 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 Workflow, click Process Template tab.

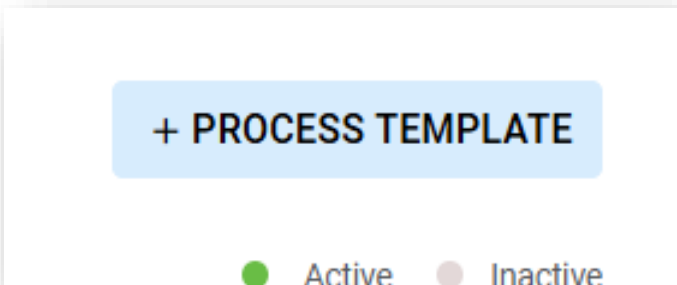


Figure 81 – Manage Process Template Screen

- 2. The Process Template Details form appears.

Add Template

Basic Information

Please provide the required details to create and configure a template.

Platform:

Select the cloud platform (e.g.- Amazon Web Services, Microsoft Azure, Google Cloud Platform) where the resources will be provisioned.

UI Template:

Mandatory dropdown field to select corresponding UI Template.

Name:

Mandatory field to provide name of the Process Template.

Description:

Provide a brief description of the template's purpose and scope.

☒ Manual

☐ Import

Amazon Web Services

Name*

UI Template *

-Select-

Description

CANCEL

CLASSIC TEMPLATE

DESIGN PROCESS TEMPLATE

Figure 82 – Process Template Details

- 3. Refer to 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 HCL BigFix CLM. 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

4. 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.
5. After successfully saving the Process Template, a confirmation message should be displayed to indicate that the operation was successful.

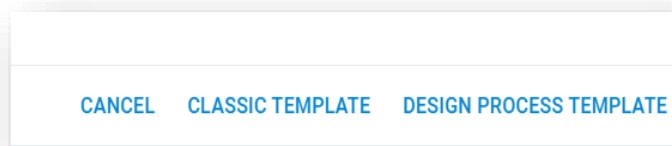


Figure 83 – Confirmation Message

6. 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.
7. **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.

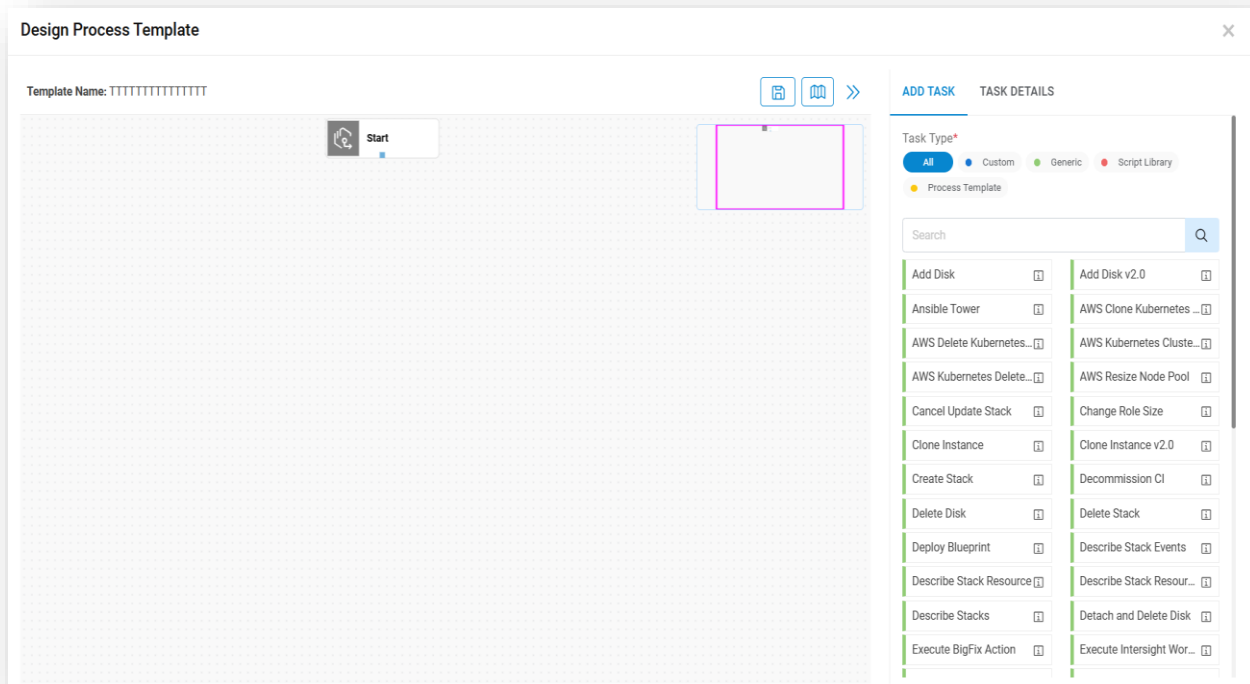


Figure 84 – Task View

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 HCL BigFix CLM with predefined processes to execute in the Orchestrator Engine. These Tasks typically encapsulate common functionalities or integrations available within the HCL BigFix CLM Platform.
 - **Custom Task:** Allows users to add PowerShell and Python Scripts to execute Tasks in the Orchestrator Engine of HCL BigFix CLM. 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 allows users to choose existing tasks from a process template, including both generic and custom tasks.

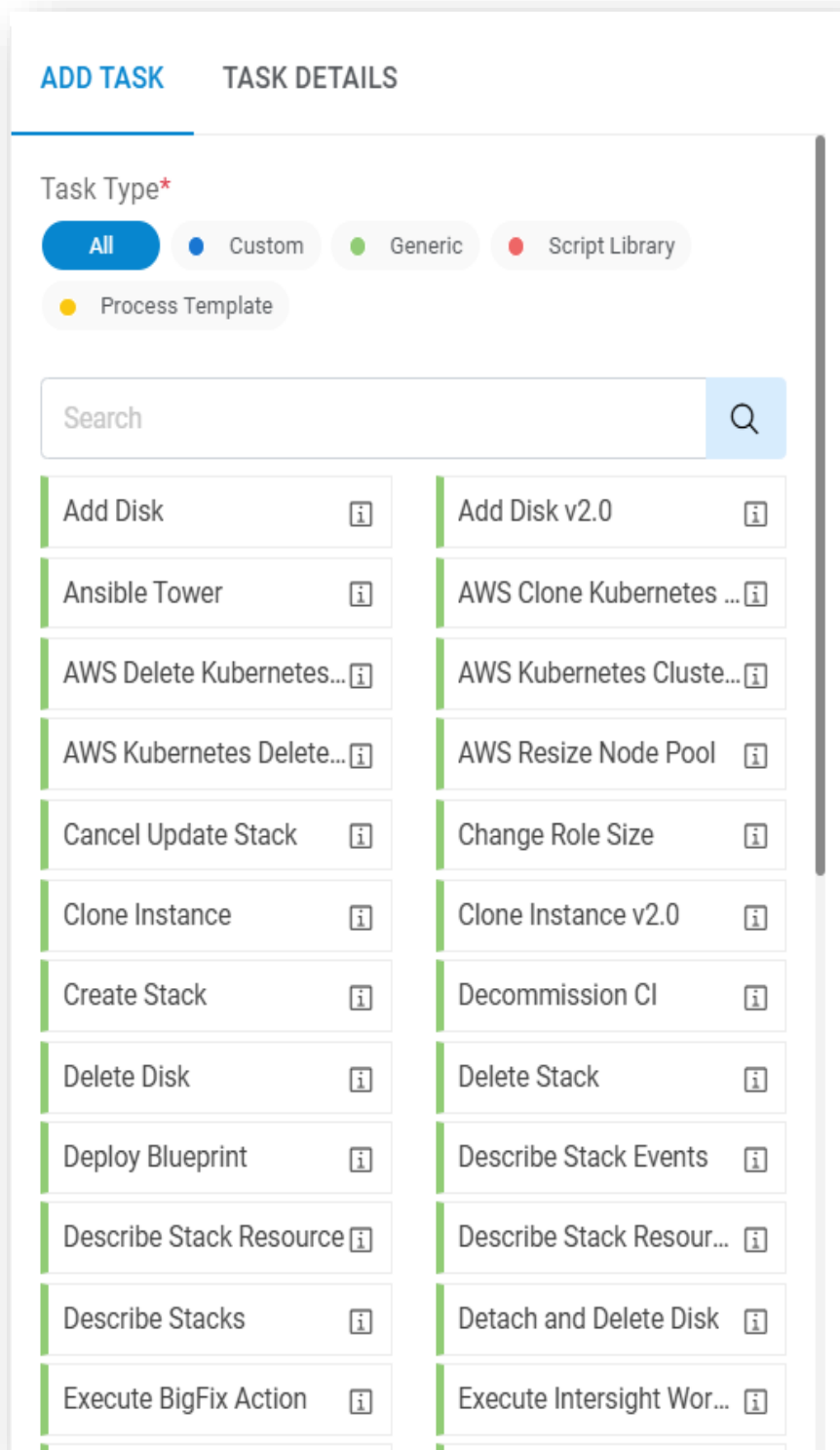


Figure 85 – Task Palette

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.

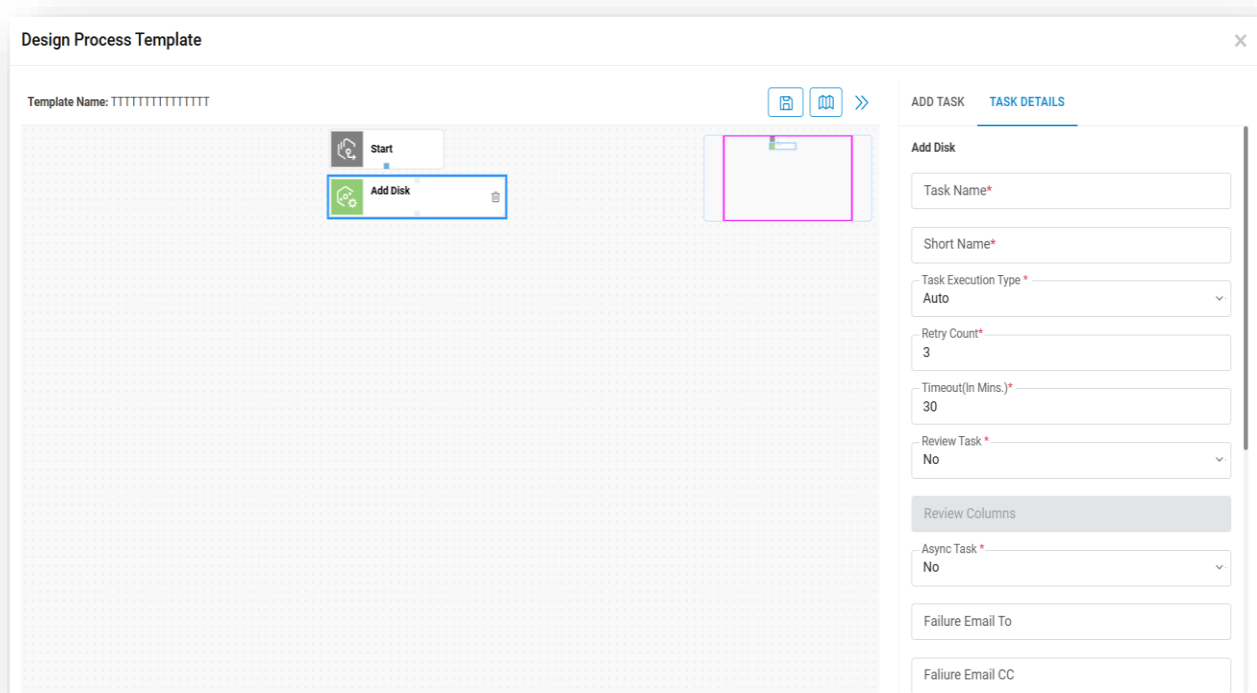


Figure 86 – Add Task to Canvas

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.

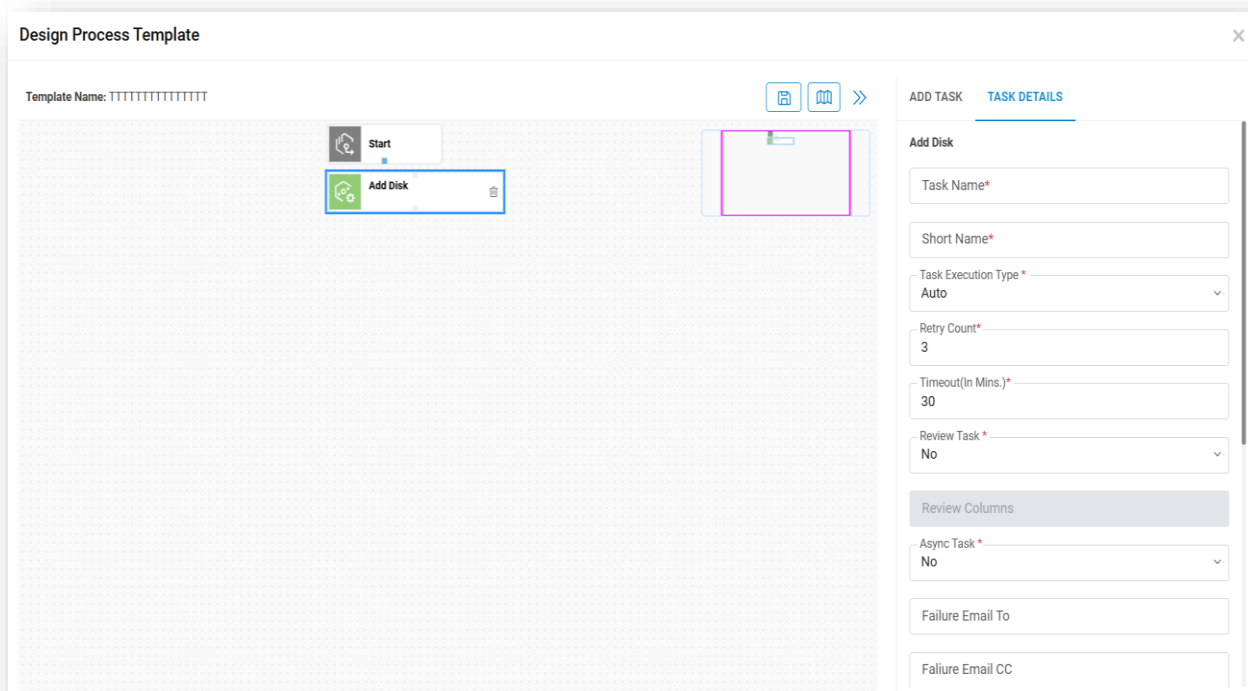


Figure 87 – Add Task to Canvas (Cont.)

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 HCL BigFix CLM 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: ● Call PowerShell script: Provider can write PowerShell scripts to execute tasks and map PowerShell variables from the Dynamic UI form values and can also use HCL BigFix CLM predefined functions to execute the script. ● Call Python script: Provider can write Python scripts to execute tasks and map Python variables from the Dynamic UI form values and can also use HCL BigFix CLM predefined functions to execute the script.
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 purposes.
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, • Auto: Orchestrator Engine executes the task in HCL BigFix CLM for submitted Service Requests. • Manual: The respective support team manually executes and updates the status in ITSM tool. Simultaneously, ITSM Tool will notify HCL BigFix CLM 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 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. 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 the user can configure task that need to be executed asynchronously. At the time of execution, HCL BigFix CLM triggers the task and save the acknowledgement number. Once task is completed third party tool will invoke HCL BigFix CLM 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 HCL BigFix CLM that has been assigned to each of the tasks.
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 be executed.

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.

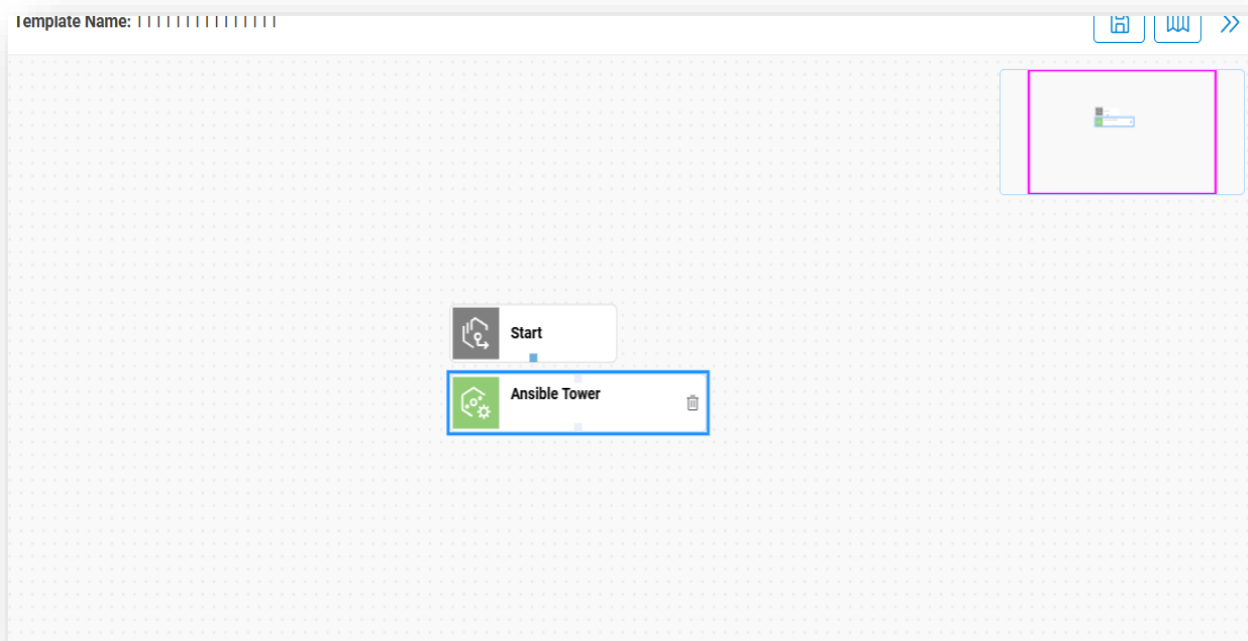


Figure 88 - Link the Task on Canvas

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.

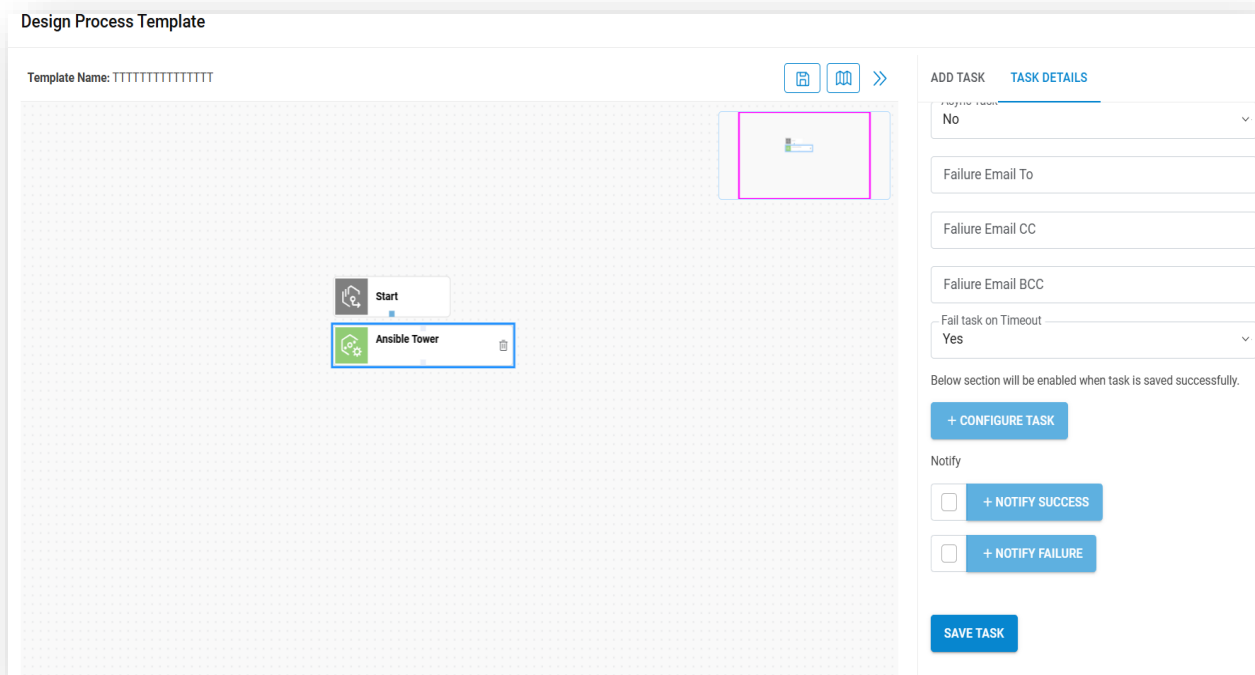


Figure 89 – Save Task Details

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 90 – Tasks with Shared Parent

The following actions can be performed on a task:

- **Delete:**

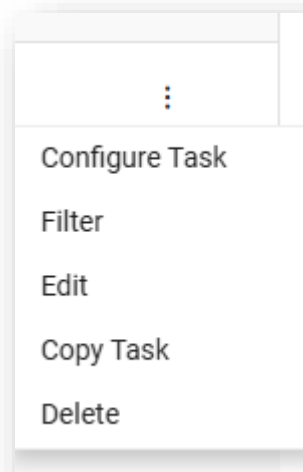


Figure 91 – Delete

The Delete option 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:**
 - Once a Generic Task is saved, then along with Delete, the Filter is displayed to scale down the search for a Task.

Task Filter(s)

For Column Value - Special characters like quotes(""), slash("\), apostrophe(') are not allowed.

Table Name *

--Select--

Column Name *

--Select--

Operator *

--Select--

Column Value *

Clause

--Select--

ADD

RESET

Figure 92 – Task Filter

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

Table 178 – Fields to Apply Filter to Task

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.

b. Configure the Filter as per the Task.

c. If filter is applied on any Task, then filter icon gets changed as  to notify filter applied.

– **Add to Script Library:**

To add Script Library, perform the following steps:

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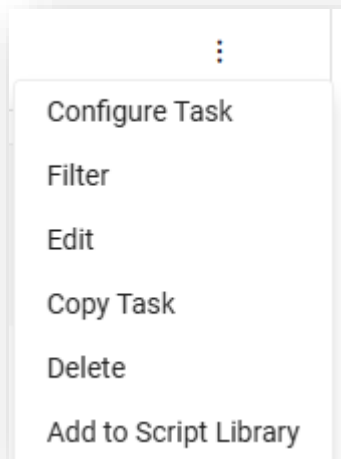


Figure 93 – Add to Script Library

- d. Once Custom Task is getting saved, along with Delete icon, Filter, and Add to Script Library icons are getting displayed.
- e. Click Add to Script Library, a window pops up to add custom script to script library for reuse in another task/process workflow.

Add to Script Library [X]

Basic Information
Please enter the name of the script and description of the script.

Name* [] Description* []

Others
Tags: Apply Tag(s) to Script Library. Enter tag and click on +TAGS button.

Tags ⓘ [] + TAGS

CANCEL ADD

Figure 94 – Add to Script Library

- f. Enter Name, Description and Tags.
- g. Click Add to Script Library. A success message box appears.

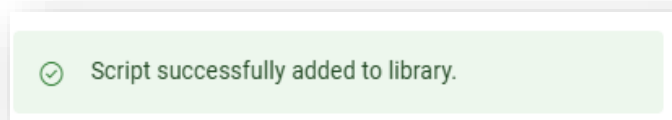


Figure 95 – Success Message

h. Click OK.

– **Copy Task:**

To Copy task, perform the following steps:

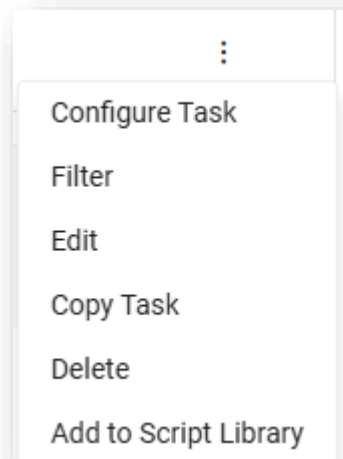


Figure 96 – Copy Task

i. Click Copy Task, a window pops up to Copy Task to create new task.

Copy Task

Basic Information

Please enter the details about tasks which will be created during process template creation.

Task Name: Custom Name for the Task.

Task Execution Type: Drop down field which includes Auto and Manual.

Review Columns: Gets enabled when user selects Review task as Yes.

Task Name*

Short Name*

Task Execution Type *

Auto

Retry Count*

3

Timeout(In Mins.)*

30

Review Task

No

Review Columns

Async Task

No

Failure Email To ⓘ

Failure Email CC ⓘ

Failure Email BCC ⓘ

Fail task on Timeout

No

CANCEL

ADD

Figure 97 – 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, Auto: Auto task execution type executed by orchestrator engine in HCL BigFix CLM for submitted service requests Manual: Manual task execution will be executed by respective support team manually and update the status in ITSM tool. Simultaneously, ITSM tool will notify HCL BigFix CLM 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 executed asynchronously. At the time of execution HCL BigFix CLM triggers the task and save the acknowledgement. Once task is completed third party tool will invoke HCL BigFix CLM 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.

- j. Enter Task Name and Short Name.
- k. Click Add to Copy Task. A success message box appears.

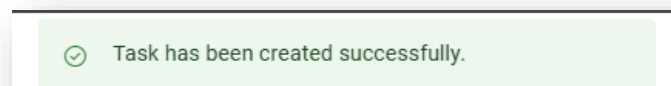


Figure 98 – Success Message

- l. 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.

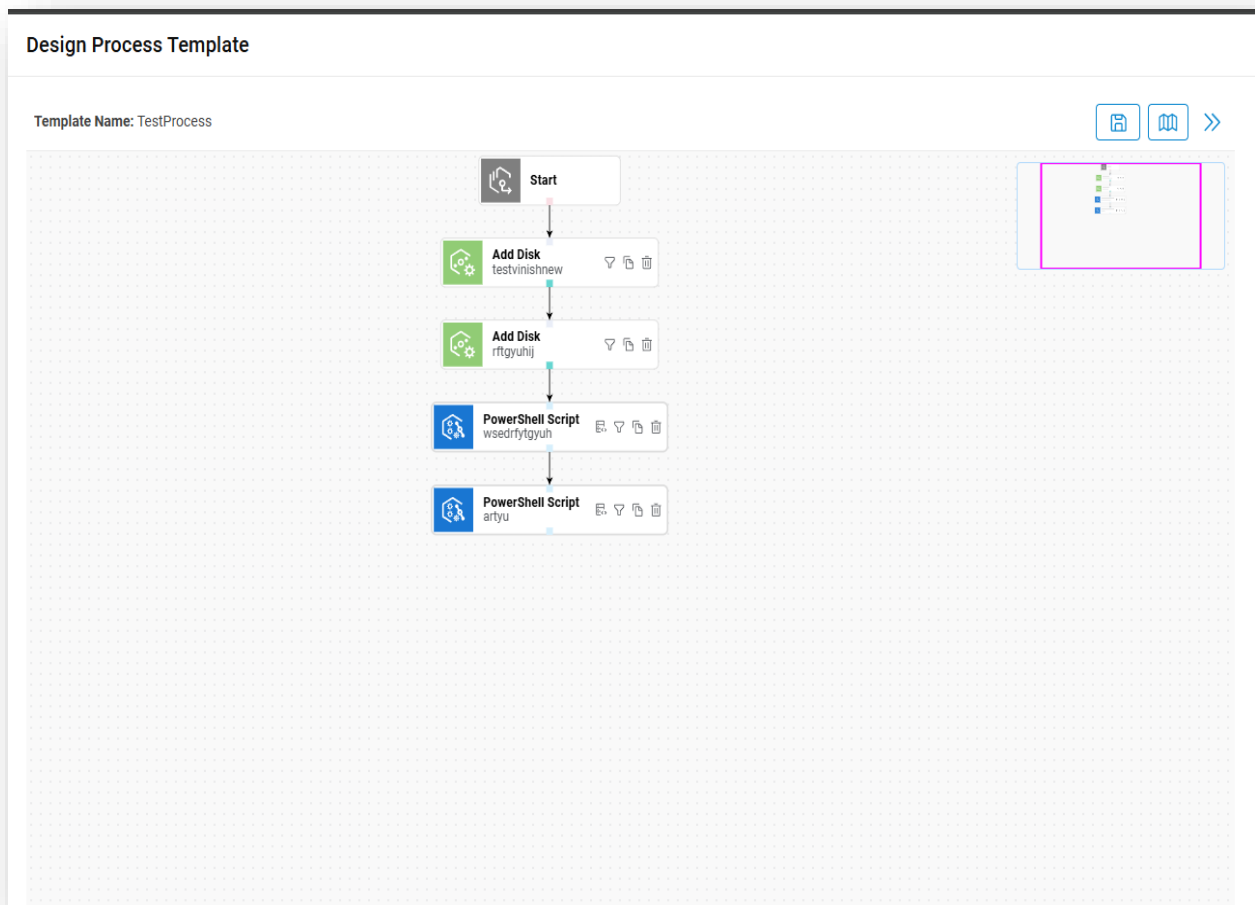


Figure 99 – Configure Task

- **Generic Task:** When the task type is selected as Generic.
- m. On clicking the Configure Task icon, a window pops up where Provider maps HCL BigFix CLM's out of the box Tasks.

Generic Task [testvinishnew - ADDDISK]

Input Parameters

Parameter Name	Parameter Description	Data Type	Parameter Value
AssumeRoleARN *	The AssumeRoleARN value can be provided ... Show More	Sql Functions	@@fnGetAWSAssumeRoleARN
DeviceName	EC2 ebs device name	UI Field	Select
AWSAccessKey	AWS account programality accesskey	UI Field	Select
AWSSecretKey	AWS account programality secretkey	UI Field	Select
RegionEndPoint	AWS service end point for that Region	UI Field	Select
AvailabilityZoneName	Availability Zone Name of VM	UI Field	Select
VolumeSize	EC2 ebs volume size	UI Field	Select
EBSType	AWS ebs type	UI Field	Select
IOPS	Ebs IOPS Value	UI Field	Select
InstanceID	AWS VM Instanceid	UI Field	Select

CANCEL ADD

Figure 100 – Configure Task (Generic)

Refer to 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 HCL BigFix CLM.
Parameter Description	Parameter description contains all the information about the parameter.
Datatype	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. HCL BigFix CLM Predefined SQL Function List is a list of HCL BigFix CLM predefined functions that are used for mapping sensitive data to parameter name that are not present in dynamic UI. e.g., Azure subscription details etc. Below are the datatypes which provides parameters values which are not present in dynamic UI. For example: Static: To specify the fix hard coded parameter value to workflow task. 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 \$ConfigurationName.KeyName Key value: it shows Map key value button () option to add parameter values. On click of Map Key value below popup opens.

	DeviceName EC2 eks device name KeyValue + DeviceName Parameters <table><tr><th>RowNo</th><th>Key Name</th><th>Source DataType</th><th>Key Value DataType</th><th>Key Value</th><th>Action</th></tr><tr><td></td><td></td><td>-Select-</td><td>String</td><td>-Select-</td><td> + </td></tr></table> 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.	RowNo	Key Name	Source DataType	Key Value DataType	Key Value	Action			-Select-	String	-Select-	+
RowNo	Key Name	Source DataType	Key Value DataType	Key Value	Action								
		-Select-	String	-Select-	+								
Parameter value	Parameter Value contains all control fields of dynamic UI associated with a process template. Mainly, it contains 2 unique fields of HCL BigFix CLM which are RequestDetailID and RequestmasterNo. It is used in various APIs which HCL BigFix CLM supports for e.g., GetVMname, Update CI etc. For SQL function datatype all HCL BigFix CLM predefined SQL functions will populate to map parameter names.												

- 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.

Manage Custom Task [ewaretfty - PYTHON]

Script* ⓘ

Note: Supported Python versions are 3.7 and above.

* Note: As an authorized user, you bear responsibility for any custom code you implement within the system. HCL Software/Product shall not be held liable in any situation where the user introduces malicious code that negatively impacts the runtime environment of HCL BigFix Cloud Lifecycle Management.

Response Separator ⓘ

Field Separator "I" Value Separator "*"

Parameter Mapping

#1

Parameter Name *

Data Type *

-Select-

Parameter Value *

-Select-

+

CANCEL ADD

Figure 101 Configure Task (Custom)

- b. With the help of  icon, the Provider user adds all the dynamic variables of PowerShell with dynamic UI control values and [HCL BigFix CLM Predefined SQL Function List](#).
- c. Click Submit to save the details. Click Close to discard the changes.
- d. A success message box appears if you choose to discard the changes. Click **Ok**

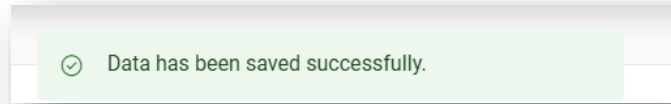


Figure 102 – Success Message

- e. On clicking Submit, the following screen appears.

Process Template: TestProcess

+ TASK

● Filters Applied ○ Filters not applied

S.No.	Task Type	Task Code	Task Name	Notify Success	Notify Failure	Group Sequence	Move Group	Move Task	Action
1	Generic	ADDISK	testvinishnew ⓘ	☐ 	☐ 	1	↓	↓	⋮
2	Generic	ADDISK	rftgruhij ⓘ	☐ 	☐ 	2	↑ ↓	↑ ↓	⋮
3	Custom	POWERSHELL	wsedrfygyuh ⓘ	☐ 	☐ 	3	↑ ↓	↑ ↓	⋮
4	Custom	POWERSHELL	artyu ⓘ	☐ 	☐ 	4	↑	↑	⋮

UPDATE

Figure 103 – Task View

- f. Click Save. A confirmation message appears as below:

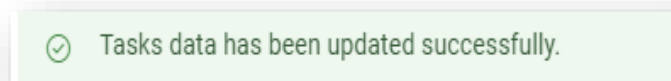


Figure 104 – Success Message

- 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 HCL BigFix CLM and can be closed by ITSM.

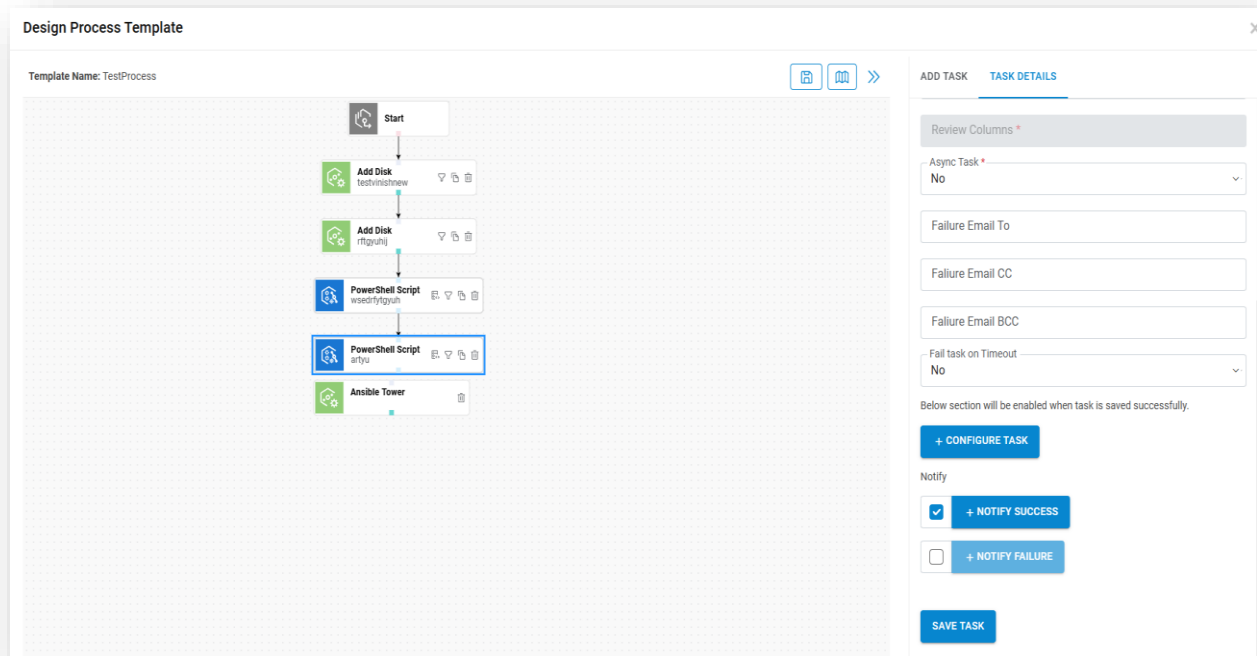


Figure 105 – Success Notification

- h. Click on the Success Notification icon ( ) to execute it on the successful completion of the task in orchestrator engine of HCL BigFix CLM.

The following window pops up where a user can configure the request and response in JSON through which HCL BigFix CLM notifies the ITSM tool regarding the completion of a specific task.

Notify Success

Basic Information
Please enter the Name of the task and select the Service Name.

Name*

Service Name*
-Select-

Request Json
Request JSON format to be placed here. All the dynamic values has to be replaced with variable starting with @.
Example: { "Key1": "@Value1", "Key2": [{"k1": "@v1"}], "Key3": {"k2": "@v2"} }

Request Json*

CONFIGURE REQUEST PARAMETER

Response Json
Response JSON format to be placed here. All the dynamic values has to be replaced with variable starting with @.
Example: { "Key1": "@Value1", "Key2": [{"k1": "@v1"}], "Key3": {"k2": "@v2"} }

Response Json

CONFIGURE RESPONSE PARAMETER

CANCEL ADD

Figure 106 – 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 HCL BigFix CLM 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.

@v2 --Select-- --Select--

@OperationRequestDetailId --Select-- --Select--

Response Json

Response JSON format to be placed here. All the dynamic values has to be replaced with variable starting with @.
Example: { "Key1": "@Value1", "Key2": [{"k1": "@v1"}], "Key3": {"k2": "@v2"} }

```
{
  "Key1": "@Value1",
  "Key2": [{"k1": "@v1"}],
  "Key3": {"k2": "@v2"}
}
```

CONFIGURE RESPONSE PARAMETER

Success Criteria

Parameters	Response Type	Value
--Select--	Static	

CANCEL ADD

Figure 107 – 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 HCL BigFix CLM. Through this, HCL BigFix CLM 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.

@v2 --Select-- --Select--

@OperationRequestDetailId --Select-- --Select--

Response Json

Response JSON format to be placed here. All the dynamic values has to be replaced with variable starting with @.
Example: { 'Key1': '@Value1', 'Key2': {'k1': '@v1'}, 'Key3': {'k2': '@v2'} }

```
{
  "Key1": "@Value1",
  "Key2": {"k1": "@v1"},
  "Key3": {"k2": "@v2"}
}
```

CONFIGURE RESPONSE PARAMETER

Success Criteria

Parameters	Response Type	Value
--Select--	Static	

CANCEL ADD

Figure 108 – 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 HCL BigFix CLM 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 HCL BigFix CLM to mark ITSM task (success/Failure) in HCL BigFix CLM to close the task.
 - o **Dynamic:** In case of Dynamic response, ITSM tool will use the incident number to communicate with HCL BigFix CLM 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 HCL BigFix CLM.

 - 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.

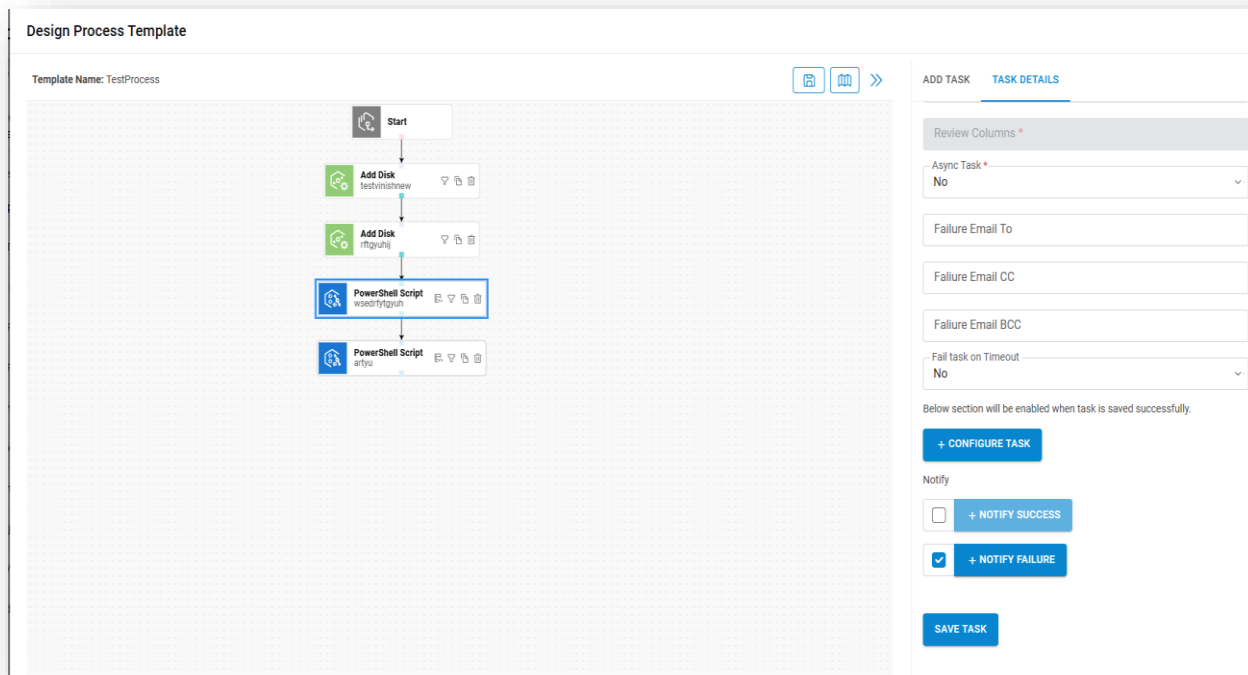


Figure 109 – Failure Notification

5.3 HCL BigFix CLM Predefined SQL Function List

Table 181 - HCL BigFix CLM Predefined SQL Function List

S. No.	Function Name	Description
1	@@fnGetAPIUserName	This function provides the API username to access HCL BigFix CLM API's.
2	@@fnGetAPIUserPassword	This function provides the API password name to access HCL BigFix CLM 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.

S. No.	Function Name	Description
12	@@fnGetChefPlatformPassword	This function provides the CHEF platform password associated with end point of a request.
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 HCL BigFix CLM.
15	@@fnGetComponentUserName	This function provides username to access component API of HCL BigFix CLM.
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 Username 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 username associated with a request.
30	@@fnGetSRRequestno	This function provides complete request no.
31	@@fnGetTemplateName	This function provides template name associated of request.

S. No.	Function Name	Description
32	@@fnGetVMPassWord	This function provides default password which will create on newly added virtual machine through HCL BigFix CLM.
33	@@fnGetVMUserName	This function provides default username which will create on newly added virtual machine through HCL BigFix CLM.
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 username.
38	@@fnGetWebAPIUrl	This function provides HCL BigFix CLM 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 GIT repository types.

S. No.	Function Name	Description
61	@@ fnGetTerraformParentWorkingDirectory	This function provides the Terraform working directory.
62	@@fnGetTagJson	This function provides the TAG json for Request.
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.

5.4 Generic Tasks

The section lists out all the generic tasks of HCL BigFix CLM 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.

Platform	Task Name	Task Description
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)
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 HCL BigFix CLM 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 to deploy a blueprint and once all tasks (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.

Platform	Task Name	Task Description
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.
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 templates through GIT.
Amazon Web Services	Execute Packer Local	This task is used to execute a local packer template.
Amazon Web Services	Execute Terraform from GIT	Call Terraform Script from GIT. Enabled execution of task with different versions of terraforms 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 HCL BigFix CLM CI Repository.
Amazon Web Services	List Stack Other Resources	Returns descriptions of all resources of the specified stack.

Platform	Task Name	Task Description
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.
Amazon Web Services	HCL BigFix CLM Ansible	Executes a specified Ansible Job which is defined in HCL BigFix CLM 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	Stop 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 HCL BigFix CLM 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	Create 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.

Platform	Task Name	Task Description
Microsoft Azure	Change Role Size	Change size of Virtual machine.
Microsoft Azure	Clone Virtual Machine	Provisioning Virtual machine.
Microsoft Azure	Clone Virtual Machine v2.0	Provisioning Virtual machine with HCL BigFix CLM 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 HCL BigFix CLM 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 the 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 to deploy a blueprint and once all tasks (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.

Platform	Task Name	Task Description
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.
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 a 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 HCL BigFix CLM CI Repository.
Microsoft Azure	Manage Private IP	Manage Private IP.
Microsoft Azure	Manage Tags	Add and Update Tags.
Microsoft Azure	HCL BigFix CLM Ansible	Executes a specified Ansible Job which is defined in HCL BigFix CLM 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 HCL BigFix CLM CI Repository
Microsoft Azure	Trigger Sync Job	This task is used to trigger sync job.

Platform	Task Name	Task Description
Microsoft Azure	UCSD Workflow	Executes defined Cisco UCSD Workflow.
Google Cloud Platform	Add Additional Disk	This task creates computing engine persistent disks and attach to virtual machine instance.
Google Cloud Platform	Add Tags	This task adds labels to virtual machine instances.
Google Cloud Platform	Ansible Tower	Executes a specified Ansible Job.
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 HCL BigFix CLM 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 to deploy a blueprint and once all tasks (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.

Platform	Task Name	Task Description
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.
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 HCL BigFix CLM 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	HCL BigFix CLM Ansible	Executes a specified Ansible Job which is defined in HCL BigFix CLM 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.

Platform	Task Name	Task Description
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.
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 HCL BigFix CLM 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 the provision of virtual machines on vCenter along with execution of run once command. It also adds custom attributes on provisioned virtual machine.
Compute on Demand-vCenter	Clone Virtual Machine v2.0	This task is to provision virtual machines using Custom Control on vCenter along with execution of run once command. It also adds custom attributes on provisioned virtual machine.
Compute on Demand-vCenter	Clone Virtual Machine v2.1	This task is to provision virtual machines using Custom Control on vCenter along with execution of run once command. It also adds custom attributes on provisioned virtual machine ""NumberofCoreperSocket"" property can be used to set number of cores per socket for provisioned virtual machine. Additional disks can be added to any scsi index.
Compute on Demand-vCenter	Create Organization	Onboard Organization in System

Platform	Task Name	Task Description
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)
Compute on Demand-vCenter	Decommission CI	This task will decommission CI from HCL BigFix CLM 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 on 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 HCL BigFix CLM CI Repository.
Compute on Demand-vCenter	HCL BigFix CLM Ansible	Executes a specified Ansible Job which is defined in HCL BigFix CLM 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.

Platform	Task Name	Task Description
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.
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 to 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 HCL BigFix CLM 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.

Platform	Task Name	Task Description
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
Compute on Demand-Hyper V 2012	Decommission CI	This task will Decommission CI from HCL BigFix CLM 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 HCL BigFix CLM Repository	Call Terraform script from HCL BigFix CLM 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 HCL BigFix CLM Repository
Compute on Demand-Hyper V 2012	Manage Tags	Add and Update Tags.
Compute on Demand-Hyper V 2012	HCL BigFix CLM Ansible	Executes a specified Ansible Job which is defined in HCL BigFix CLM 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.

Platform	Task Name	Task Description
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.
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 HCL BigFix CLM 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 HCL BigFix CLM CI Repository.
Cisco Intersight	Execute Intersight Workflow	Execute the Intersight Workflow.
Cisco Intersight	Insert CI	This Task will Create/Insert new CI in HCL BigFix CLM CI Repository.
Cisco Intersight	Release IP	This Task is used to Release IP.
Cisco Intersight	Power Shell Script	Executes Custom PowerShell Script configured with task.
Cisco Intersight	Python Script	Executes Custom Python Script configured 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 HCL BigFix CLM 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.

Platform	Task Name	Task Description
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
Generic Endpoint	Decommission CI	This Task will Decommission CI from HCL BigFix CLM 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.

Platform	Task Name	Task Description
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 HCL BigFix CLM CI Repository.
Generic Endpoint	VMWAR Clone VM	This Task is used to clone a Virtual Machine in Datacenter.
Generic Endpoint	HCL BigFix CLM 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 HCL BigFix CLM 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 HCL BigFix CLM CI Repository.
Multi-HyperVisor	Insert CI	This Task will Create/Insert new CI in HCL BigFix CLM 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 HCL BigFix CLM CI Repository.
Multi-HyperVisor	VCenter Change Storage	This task is for Addition/Removal of additional disk attached to Virtual machine using storm 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).

Platform	Task Name	Task Description
RedHat OpenShift	Clone Virtual Machine	This Task will provision a virtual machine.
RedHat Openshift	Decommission CI	This Task will Decommission CI from HCL BigFix CLM 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 HCL BigFix CLM CI Repository.
RedHat OpenShift	Start Virtual Machine	This task performs start virtual machine.
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 HCL BigFix CLM 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 HCL BigFix CLM Repository	This task executes terraform files stored on HCL BigFix CLM 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.

Platform	Task Name	Task Description
RedHat Openshift	Create Route From GIT	This task will be used to create a 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.
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.

5.5 Generic Task Parameters

1. The details of all the generic tasks of HCL BigFix CLM 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.

Platform * Amazon Web Services ▼ Generic Task * Add Disk ▼ Type --Select-- ▼ GO

Parameter	▼ Data Type	▼ Description	▼ Sample Value	▼ Type	▼
AssumeRoleARN	sqlserver	The AssumeRoleARN value can be provided Show More	The AssumeRoleARN value can be provided Show More	INPUT	
AvailabilityZoneName	String	Availability Zone Name of VM	Availability Zone Name	INPUT	
AWSAccessKey	String	AWS account programality accesskey	AWS AccessKey	INPUT	
AWSecretKey	String	AWS account programality secretkey	AWS SecretKey	INPUT	
DeviceName	String	EC2 ebs device name	Device Name	INPUT	
EBSS	String	XML format of Elastic Block Store deta. Show More	EBSS	INPUT	
EBSType	String	AWS ebs type	EBSS Type	INPUT	
InstanceID	String	AWS VM Instanceid	Instance ID	INPUT	
IOPS	String	Ebs IOPS Value	IOPS	INPUT	
RegionEndPoint	String	AWS service end point for that Region	RegionEndPoint	INPUT	

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Figure 110 - Generic Task Details

4. Refer to 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 HCL BigFix CLM.
Type	There are two types of Generic Task Type, Input: Specific parameters to execute a generic task Output: This is the outcome of a generic task

6 Support

To get support for this product, please drop an email to bigfixclm-prodsupport-team@hcl-software.com.

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