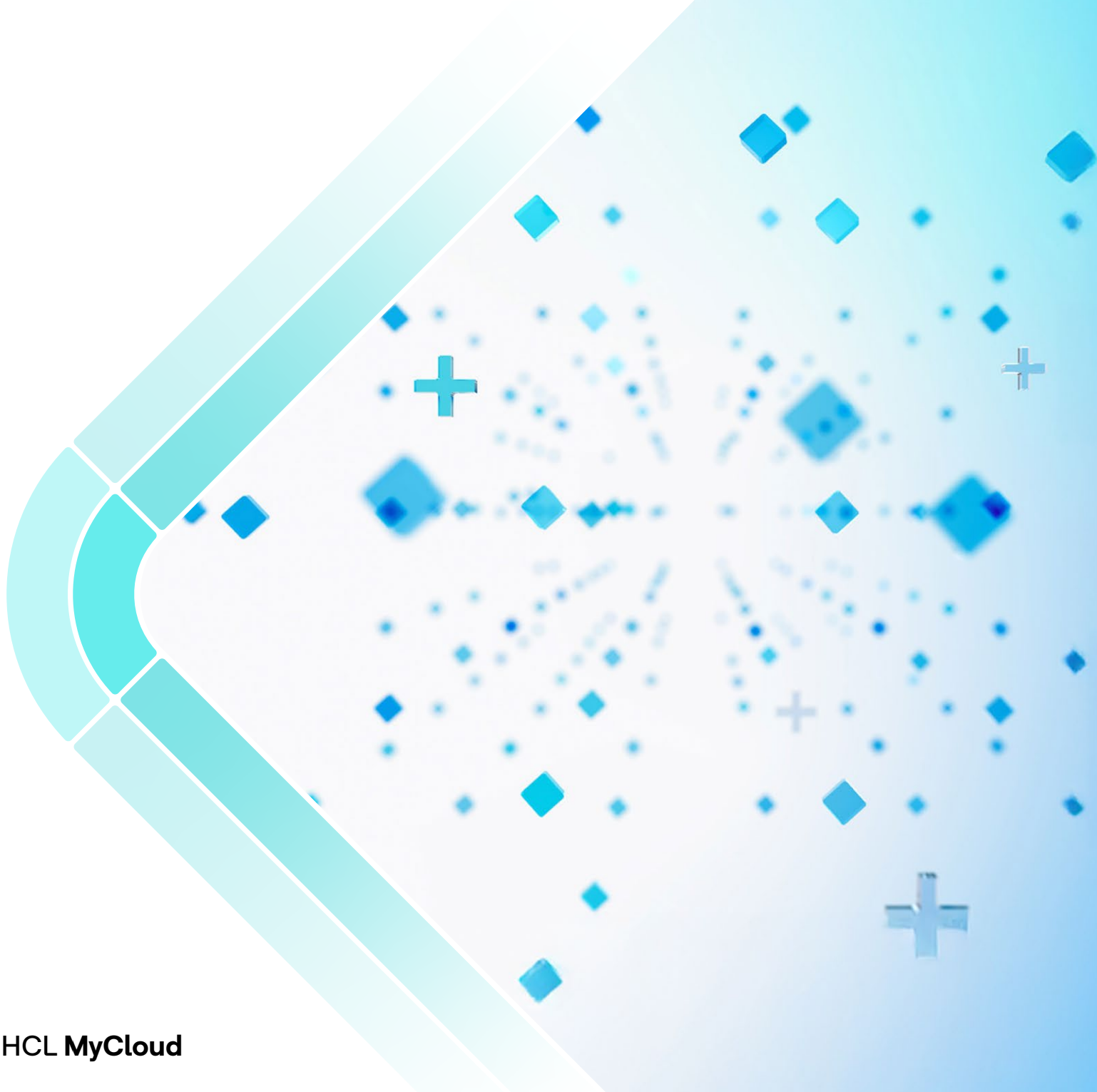


**HCLSoftware**

# HCL MyCloud

Release Notes  
Version 10.8.2



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## Introduction

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## Preface

This section provides information about the HCL MyCloud Release Notes and includes the following topics.

### 1.1 About this Guide

This document provides information regarding the new features, enhancements and bug fixed in MyCloud Beta 10.8.2 version:

### 1.2 Conventions

The following typographic conventions are used in this document:

Convention	Element
<b>Boldface</b>	Indicates graphical user interface elements associated with an action, or terms defined in text or the glossary
<u><a href="#">Underlined blue</a></u>	Indicates cross-reference and links
<i>Italic</i>	Indicates document titles, occasional emphasis, or glossary terms
<code>Courier New (Font)</code>	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

**Table 1 - Conventions**

# New Features

## 2.1 Red Hat OCP Integration for Containerization

### Syncing Enhancement

- ImageStreams
- Pods
- Deployments
- Routes
- Build Configs
- Services

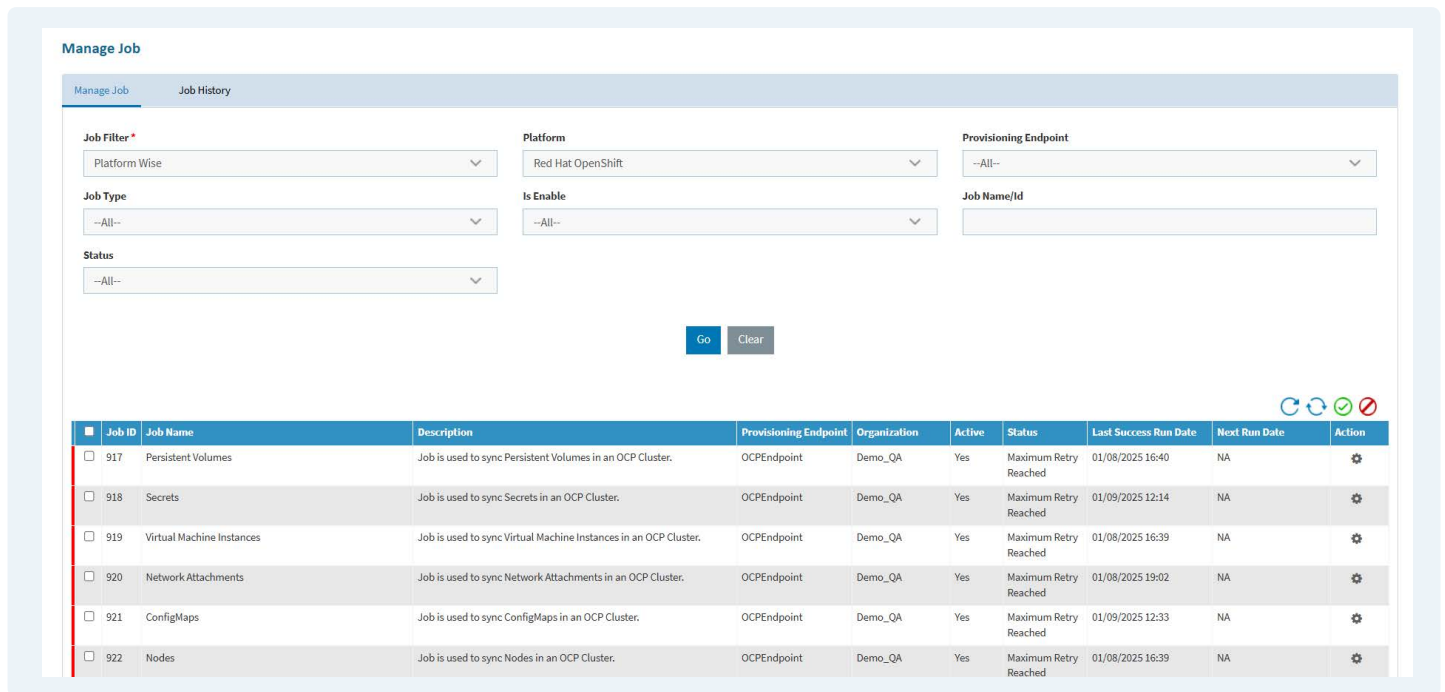


Figure 1 - Red Hat OCP Integration for Containerization - Syncing Enhancement

### New APIs

#### GET APIs to return endpoint-wise resource

- Fetch pods for RedHat provisioning endpoint by endpoint name/id
- `{WebAPIURL}/WebAPI/v3/ocp/virtualization/provisioningEndpoints/{endpointId}/pods`
- Fetch deployments for RedHat provisioning endpoint by endpoint name/id
- `{WebAPIURL}/WebAPI/v3/ocp/virtualization/provisioningEndpoints/{endpointId}/deployments`
- Fetch routes for RedHat provisioning endpoint by endpoint name/id
- `{WebAPIURL}/WebAPI/v3/ocp/virtualization/provisioningEndpoints/{endpointId}/routes`
- Fetch buildconfigs for RedHat provisioning endpoint by endpoint name/id
- `{WebAPIURL}/WebAPI/v3/ocp/virtualization/provisioningEndpoints/{endpointId}/buildconfigs`
- Fetch services for RedHat provisioning endpoint by endpoint name/id
- `{WebAPIURL}/WebAPI/v3/ocp/virtualization/provisioningEndpoints/{endpointId}/services`

## GET APIs to find resources within namespace

- Fetch image streams in specified namespace for RedHat provisioning endpoint by endpoint name/id and namespaceId
- {WebAPIURL}/WebAPI/v3/ocp/virt ualization/provisioningEndPoints/{ endpointId}/namespace/{namesp aceid}/imageStreams
- Fetch pods in specified namespace for RedHat provisioning endpoint by endpoint name/id and namespaceId
- {WebAPIURL}/WebAPI/v3/ocp/virt ualization/provisioningEndPoints/{ endpointId}/namespace/{namesp aceid}/pods
- Fetch deployments in specified namespace for RedHat provisioning endpoint by endpoint name/id and namespaceId
- {WebAPIURL}/WebAPI/v3/ocp/virt ualization/provisioningEndPoints/{ endpointId}/namespace/{namesp aceid}/deployments
- Fetch routes in specified namespace for RedHat provisioning endpoint by endpoint name/id and namespaceId
- {WebAPIURL}/WebAPI/v3/ocp/virt ualization/provisioningEndPoints/{ endpointId}/namespace/{namesp aceid}/routes
- Fetch buildconfigs in specified namespace for RedHat provisioning endpoint by endpoint name/id and namespaceId
- {WebAPIURL}/WebAPI/v3/ocp/virt ualization/provisioningEndPoints/{ endpointId}/namespace/{namesp aceid}/buildconfigs
- Fetch services in specified namespace for RedHat provisioning endpoint by endpoint name/id and namespaceId
- {WebAPIURL}/WebAPI/v3/ocp/virt ualization/provisioningEndPoints/{ endpointId}/namespace/{namesp aceid}/services

Method	Endpoint	Description
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/namespaces	Returns OCP Namespace which are allocated Provisioning Endp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/projects	Returns OCP Projects which are allocated Provisioning Endp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/nodes	Returns OCP Nodes which are allocated Provisioning Endp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/templates	Returns OCP Templates which are allocated Provisioning Endp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/persistentvolumes	Returns OCP Persistent Volumes which are allocated Provisioning Endp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/storageclasses	Returns OCP Storage Class which are allocated Provisioning Endp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/virtualmachines	Returns OCP Virtual Machine which are allocated Provisioning Endp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/persistentvolumeclaims	Returns OCP Persistent Volumes Claim which are allocated Provisioning Endp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/configmaps	Returns OCP ConfigMaps which are allocated Provisioning Endp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/networkattachments	Returns OCP Network Attachment which are allocated Provisioning Endp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/secrets	Returns OCP Secrets which are allocated Provisioning Endp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/namespace/{namespaceId}/templates	Returns OCP Templates with Namespace which are allocated Provisioning Endpoint and filtered with Namesp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/namespace/{namespaceId}/virtualmachines	Returns OCP Virtual Machine with Namespace which are allocated Provisioning Endpoint and filtered with Namesp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/namespace/{namespaceId}/persistentvolumeclaims	Returns OCP Persistent Volumes Claim with Namespace which are allocated Provisioning Endpoint and filtered with Namesp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/namespace/{namespaceId}/persistentvolumeclaims	Returns OCP Persistent Volumes Claim with Namespace which are allocated Provisioning Endpoint and filtered with Namesp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/namespace/{namespaceId}/configmaps	Returns OCP Config Maps with Namespace which are allocated Provisioning Endpoints and filtered with Namesp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/namespace/{namespaceId}/networkattachments	Returns OCP Network Attachment with Namespace which are allocated Provisioning Endpoints and filtered with Namesp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/namespace/{namespaceId}/secrets	Returns OCP Secrets with Namespace which are allocated Provisioning Endpoint and filtered with Namesp
POST	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/networks/{networkEntityId}/freeIps	Reserves and returns IPAddress for an object i.e. IP will be blocked in passed netw
POST	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/networks/{networkEntityId}/releaseIps	Releases blocked/reserved IPAdd
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/namespace/{namespaceId}/imageStreams	Returns OCP Image Stream with Namespace which are allocated Provisioning Endpoint and filtered with Namesp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/pods	Returns OCP Pods which are allocated Provisioning Endp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/namespace/{namespaceId}/pods	Returns OCP Pods with Namespace which are allocated Provisioning Endpoint and filtered with Namesp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/deployments	Returns OCP Deployments which are allocated Provisioning Endp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/namespace/{namespaceId}/deployments	Returns OCP Deployments with Namespace which are allocated Provisioning Endpoint and filtered with Namesp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/routes	Returns OCP Routes which are allocated Provisioning Endp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/namespace/{namespaceId}/routes	Returns OCP Routes with Namespace which are allocated Provisioning Endpoint and filtered with Namesp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/buildconfigs	Returns OCP Buildconfig which are allocated Provisioning Endp
GET	/v3/ocp/virtualization/provisioningEndPoints/{endpointId}/namespace/{namespaceId}/buildconfigs	Returns OCP Buildconfigs with Namespace which are allocated Provisioning Endpoint and filtered with Namesp

Figure 2 - Red Hat OCP Integration for Containerization – New APIs



## New JS Methods

### New JS methods for OCP resources in UI for data binding

- GetImageStreams
- GetPods
- GetDeployments
- GetRoutes
- GetBuildConfigs
- GetServices

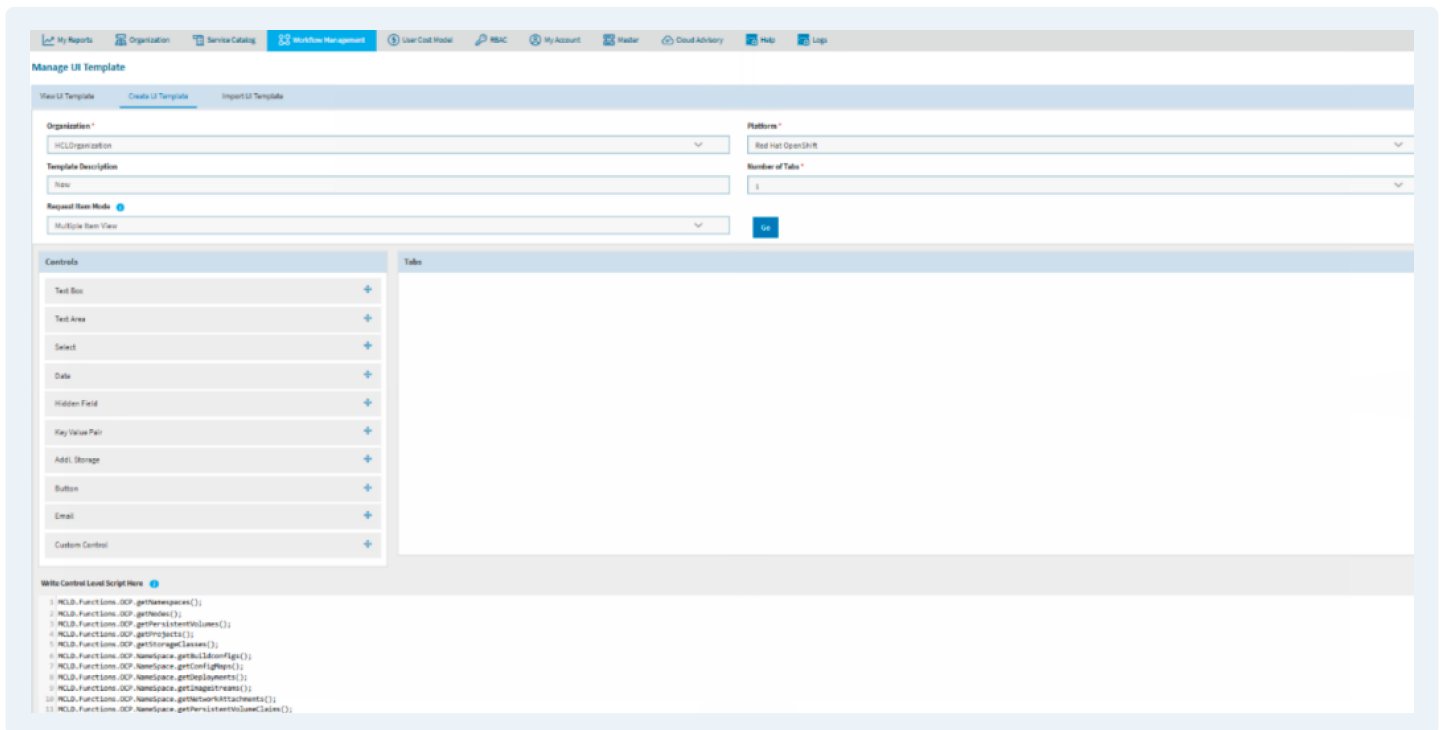


Figure 3 - Red Hat OCP Integration for Containerization – New JS Methods

## Process Workflow Enhancements

### Day one task

- i. Create POD
- ii. Create Deployment
- iii. Deployment from GIT
- iv. Create Route from GIT
- v. Create Build Config
- vi. Create Service
- vii. Execute Yaml from GIT

### Day two task (action)

- i. Delete POD
- ii. Delete Deployment
- iii. Start Deployment
- iv. Stop Deployment
- v. Scale Deployment
- vi. Restart Deployment
- vii. Delete Route
- viii. Delete Service

Task Name	Task Status	Plan Execution Date	Task Start Date	Task End Date	Exec Plan Id	Execution Type	Sequence	Group Sequence	Retry Count	Action
Create Service	Task Success	12/25/2024 15:3353	12/25/2024 15:3354	12/25/2024 15:3444	6	AUTO	1	1	0	
Delete Service	Task Success	12/25/2024 15:3353	12/25/2024 15:4126	12/25/2024 15:4310	6	AUTO	2	2	0	
Deployment from Git	Task Success	12/25/2024 15:3353	12/25/2024 15:4339	12/25/2024 15:4451	6	AUTO	3	3	0	
Create Deployment	Task Success	12/25/2024 15:3353	12/25/2024 15:4539	12/25/2024 15:4630	6	AUTO	4	4	0	
Stop Deployment	Task Success	12/25/2024 15:3353	12/25/2024 15:4722	12/25/2024 15:4903	6	AUTO	5	5	0	
Start Deployment	Task Success	12/25/2024 15:3353	12/25/2024 15:4953	12/25/2024 15:5044	6	AUTO	6	6	0	
Restart Deployment	Task Success	12/25/2024 15:3353	12/25/2024 15:5134	12/25/2024 15:5224	6	AUTO	7	7	0	
Scale Deployment	Task Success	12/25/2024 15:3353	12/25/2024 15:5314	12/25/2024 15:5455	6	AUTO	8	8	0	
deletedeployment	Task Success	12/25/2024 15:3353	12/25/2024 15:5545	12/25/2024 15:5635	6	AUTO	9	9	0	
Create Deployment with recreate option	Task Success	12/25/2024 15:3353	12/25/2024 15:5725	12/25/2024 15:5908	6	AUTO	10	10	0	
build config	Task Success	12/25/2024 15:3353	12/25/2024 15:5956	12/25/2024 16:0047	6	AUTO	11	11	0	
create pod	Task Success	12/25/2024 15:3353	12/25/2024 16:0137	12/25/2024 16:0228	6	AUTO	12	12	0	
deletepod	Task Success	12/25/2024 15:3353	12/25/2024 16:0317	12/25/2024 16:0458	6	AUTO	13	13	0	
create route git	Task Success	12/25/2024 15:3353	12/25/2024 16:0548	12/25/2024 16:0640	6	AUTO	14	14	0	
deleteroute	Task Success	12/25/2024 15:3353	12/25/2024 16:0729	12/25/2024 16:0822	6	AUTO	15	15	0	

Figure 4 – Red Hat OCP Integration for Containerization – Process Workflow Enhancements

HCL DRYICE MyCloud
HCL Provider

My Reports Organization Service Catalog Workflow Management User Cost Model RBAC My Account Master Cloud Advisory Help Logs

### Provider Network Enablement

**Provider \***

**Platform \***

**Provisioning Endpoint \***

**Namespace \***

Figure 5 – Red Hat OCP integration for Containerization – Resource Allocation Enhancements

## 2.2 Enhancement in Red Hat OCP Integration for Virtualization

### Process Workflow Enhancements

The following new tasks have been added for OCP virtualization

- Ansible Tower
- Execute BigFix Action
- Get BigFix Computer ID
- Execute Terraform from GIT
- Terraform Local
- Terraform MyCloud Repository
- Create ConfigMap
- Update ConfigMap
- Pause Virtual Machine
- Unpause Virtual Machine
- Restart Virtual Machine
- Release IP
- PowerShell GIT
- Python GIT

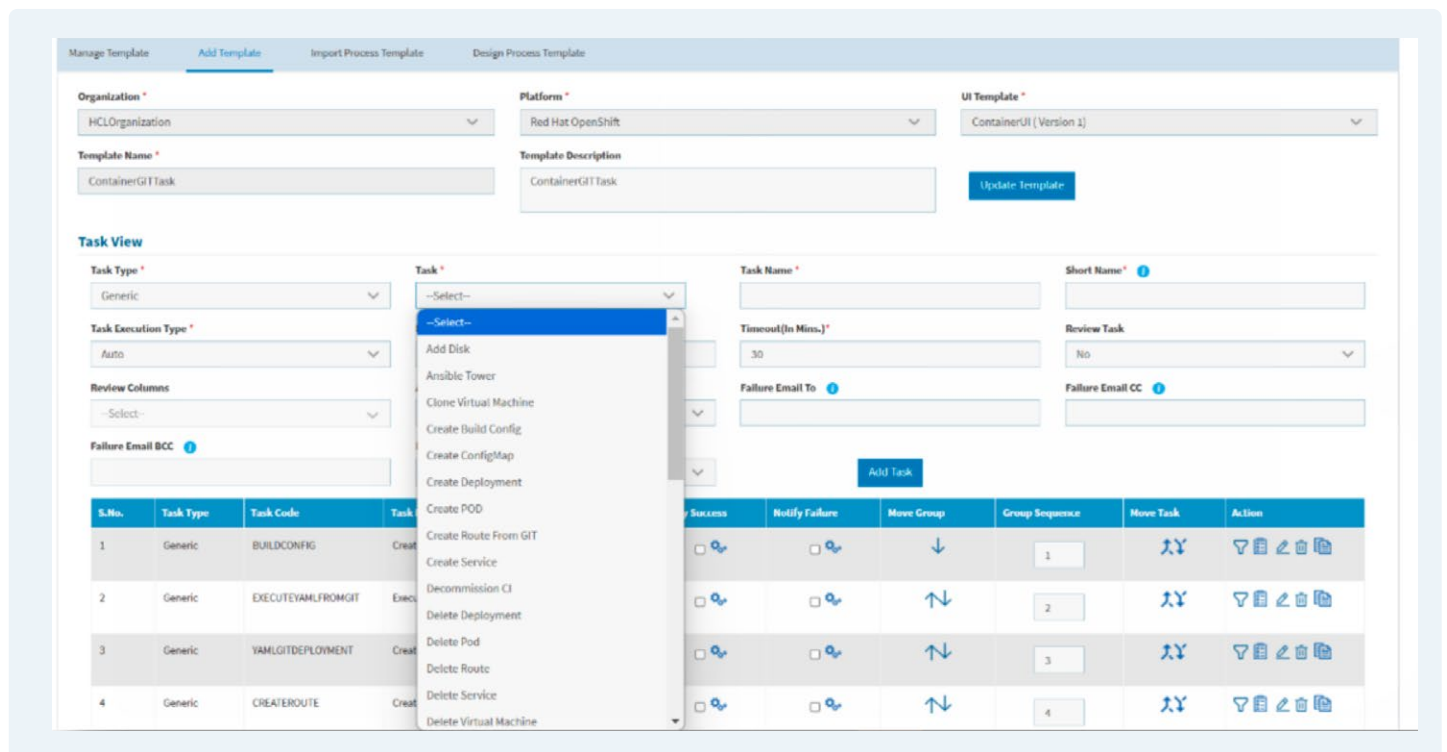


Figure 6 - Enhancement in Red Hat OCP integration for Virtualization - Process Workflow Enhancements

## 2.3 OCP Billing

- Enabling of expected cost calculation
- Cost model creation for OCP
- Generation of daily/ monthly bills for OCP virtual machines.

Organization	Cost Model	Service Plan	Platform	Provisioning Endpoint	Location/Region	Action
HCLOrganization	OCPCostModel1	OCPServicePlan	Red Hat OpenShift	RedHatOpenShiftEndpoint	Global	

Figure 7 - OCP Billing

Cost Item Category	Allocation Based Cost
Catalog	Define Cost
Compute	Define Cost
Service	Define Cost
Storage	Define Cost

Figure 8 - OCP Billing (Cont.)

## 2.4 Master Data

New object types for the Red Hat OpenShift platform have been introduced and will be automatically mapped to each newly created provider and organization.

Object Type Code	Object Type
OCPDEPLOY	Deployments
OCPBCONFIG	Build Configs
OCPPOD	Pods
OCPSERVICE	Services
OCPROUTE	Routes
STATEFUL	StatefulSet

Table 2 - New Object Types for the Red Hat OpenShift Platform

The screenshot shows the 'Manage Object Types' interface in HCL DRYICE MyCloud. The table contains the following data:

Object Code	Object Name	Action
PERSVOL	Persistent Volumes	[Edit] [Add] [Delete]
OCPPOD	Pods	[Edit] [Add] [Delete]
PROVIDER	Provider	[Edit] [Add] [Delete]
APPG	Proximity Placement Group	[Edit] [Add] [Delete]
PIP	Public IP	[Edit] [Add] [Delete]
PSV	Pure Storage Volume	[Edit] [Add] [Delete]
RDS	Relational Database Service	[Edit] [Add] [Delete]
RES	Resource	[Edit] [Add] [Delete]
OCPROUTE	Routes	[Edit] [Add] [Delete]
SECG	Security Group	[Edit] [Add] [Delete]

Records 41 - 50 of 59

Legend: Active (Green square), Inactive (Red square)

Navigation: First, 1, 2, 3, 4, 5, 6, Last

Figure 9 - Master Data - Manage Object Type

# Enhancements

## 3.1 Orchestrator and Component Enhancements

- OCP post-provisioning OOB task and OCP Container OOB task added
- Trigger sync job is modified to enable it for action task execution

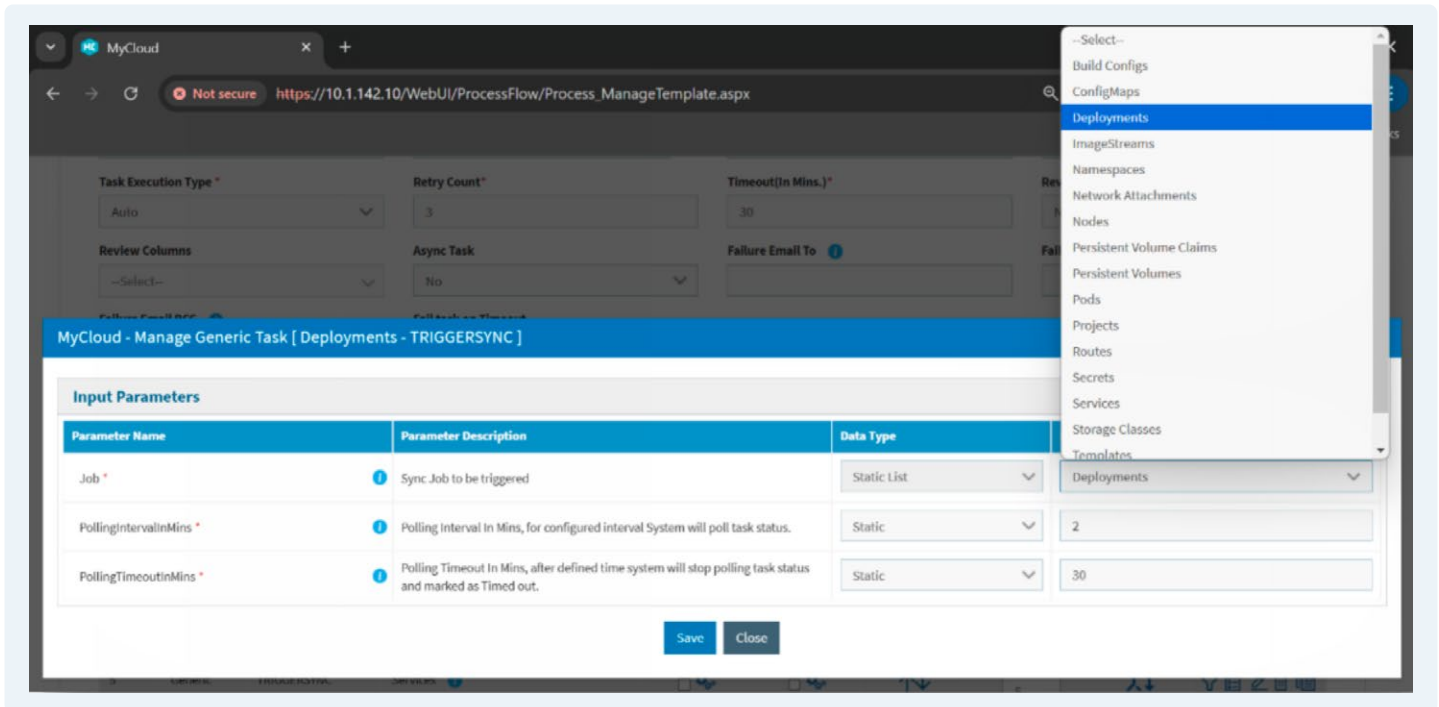


Figure 10 – Enhancements – Orchestrator and Component Enhancements

### 3.2 UI and Portal Enhancements

- Enhance the 'Configure Component Configuration' screen to improve performance
- Cost model screens have been modified to support OCP billing

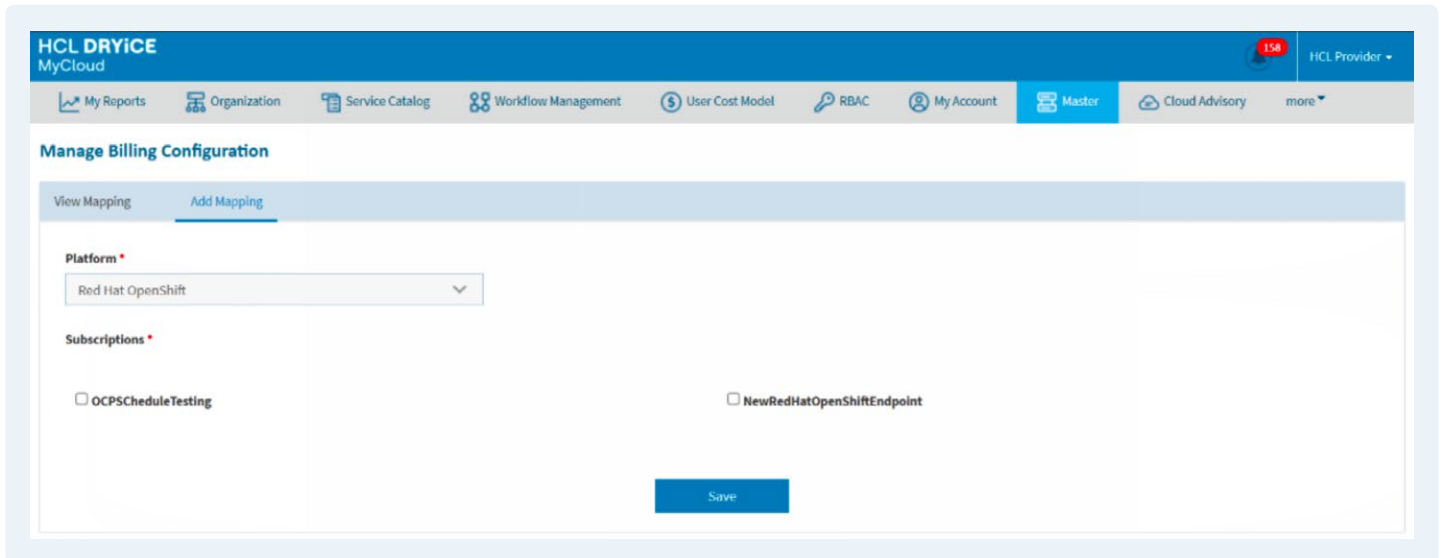


Figure 11 – Enhancements – UI and Portal Enhancements

- Custom control in the UI template screen has been modified to enable the billing tag

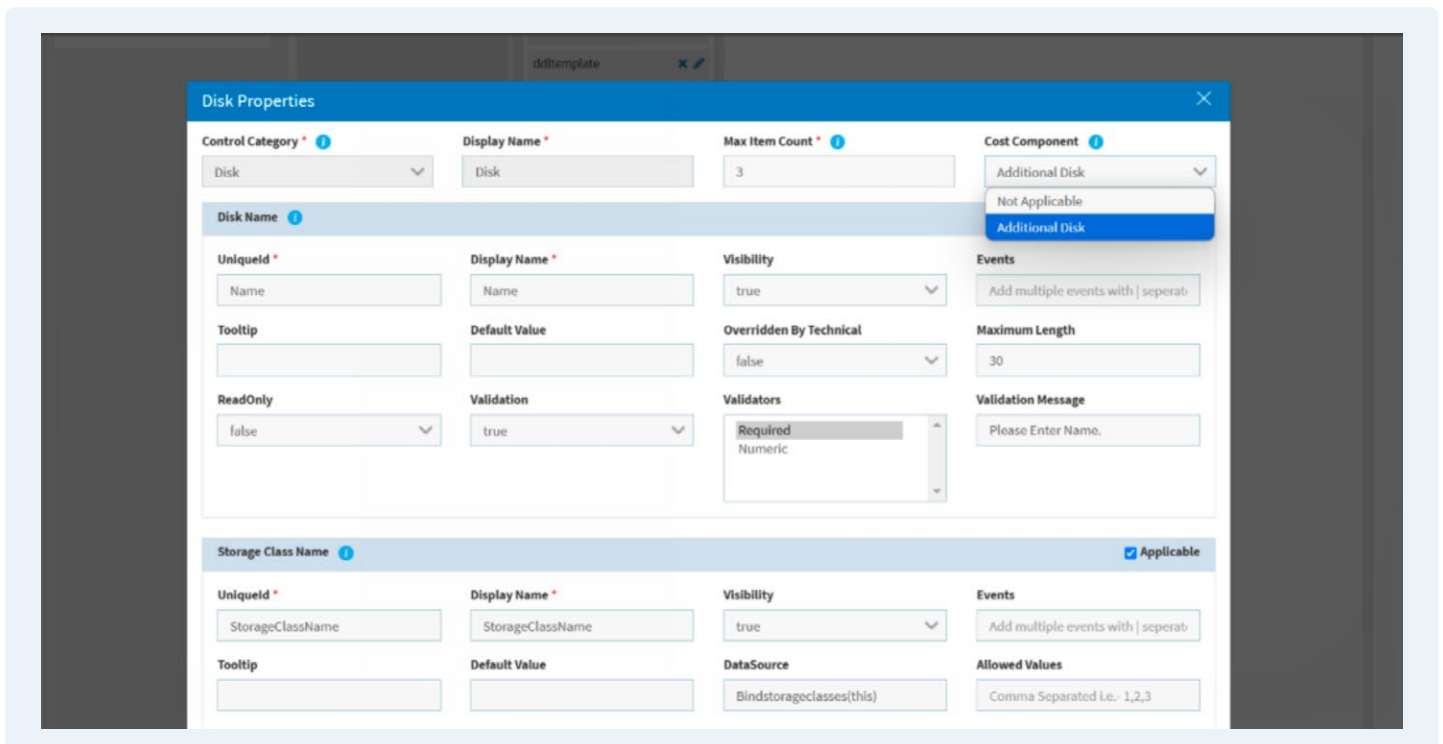


Figure 12 – Enhancements – UI and Portal Enhancements (Cont.)

- Enhance the Release/Reserve IP screen to reserve the first IP address

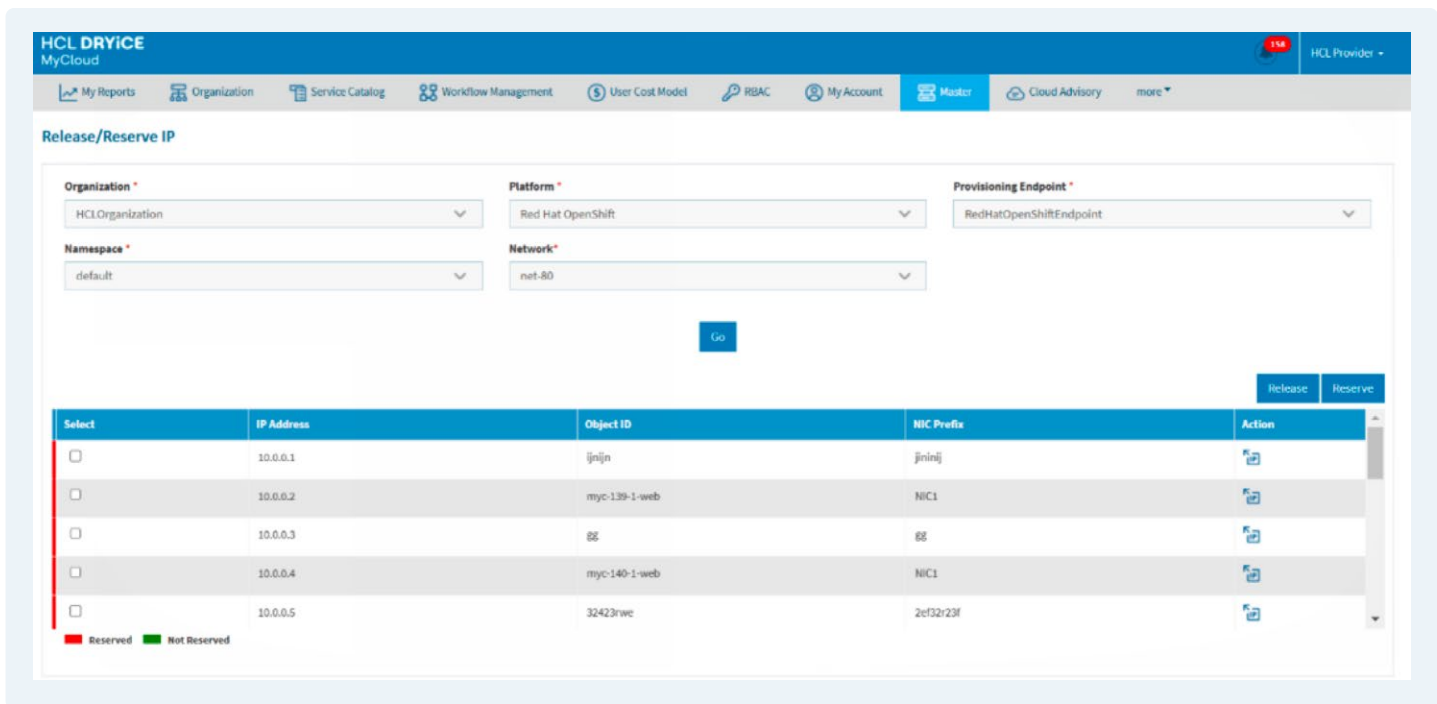


Figure 13 – Enhancements – UI and Portal Enhancements (Cont.)

- Added latest Azure virtual machine sizes for use in the 'Public Cloud Sizes Allocation' screen
- Inclusion of additional services in expected cost calculation APIs/JS methods for all cloud providers

### 3.3 Reporting Enhancements

- 'My Bill' report has been enabled to display billing information for OCP virtualization resources.

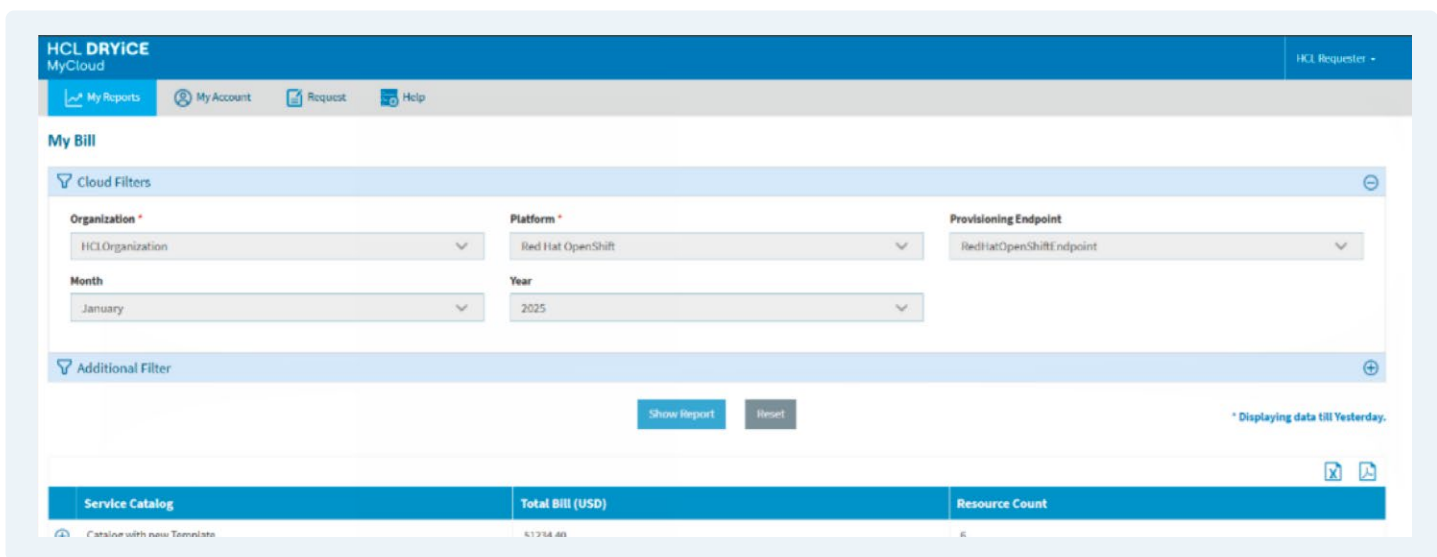


Figure 14 – Enhancements – Reporting Enhancements



Item Name	No. of Units	Unit Price (USD)	Billing Frequency	Cost (USD)
<b>Per Day Cost</b>				
Windows Server 2022 Datacenter Edition Templa...	1	23.00	NA	322.00
Catalog CPU	4	100.00	NA	5600.00
Catalog Memory (GB)	0	20.00	NA	0.00
Backup Service (Service)	1	50.00	NA	700.00
<b>Total Bill (USD)</b>				<b>6622.00</b>
<b>One Time Cost</b>				
Windows Server 2022 Datacenter Edition Templa...	1	500.00	NA	0.00
Catalog CPU	4	50.00	NA	0.00
Catalog Memory (GB)	0	200.00	NA	0.00
Backup Service (Service)	1	100.00	NA	0.00
<b>Total Bill (USD)</b>				<b>0.00</b>
<b>Recurring Cost</b>				
Windows Server 2022 Datacenter Edition Templa...	1	3.00	Per Month	1.40
Catalog CPU	4	10.00	Per Week	79.94
Catalog Memory (GB)	0	20.00	Per Week	0.00
Backup Service (Service)	1	50.00	Per Week	99.96
<b>Total Bill (USD)</b>				<b>181.30</b>

Figure 15 – Enhancements – Reporting Enhancements (Cont.)

### 3.4 Other Components

- In the sync of Cisco resources, only targets with a status of 'Claimed' will be synced, rather than those with a status of 'Connected'.
- OCP virtual machine sync has been modified to update the attached disks of virtual machines, which will be used for cost calculation.
- Updated license information for the latest version in Installer.

### 3.5 Fixed Bugs

- Azure key vault access issue
- Azure VM provisioning issue for without disk encryption selection use case
- Issue with python custom task execution
- Architectural diagram image in existing Service Catalog

---

## A glimpse of upcoming release

- Revamped product UI
- Azure stack integration
- Framework change (.Net core)
- MyCloud container deployment support
- Integrations
  - Ansible Inside
  - Pulumi



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