

HCLSoftware

HCL MyCloud

10.8.1 RELEASE NOTES

VERSION 1.0



The data contained in this document shall not be duplicated, used, or disclosed in whole or in part for any purpose. If a contract is awarded to chosen parties because of or in connection with the submission of this data, the client or prospective client shall have the right to duplicate, use, or disclose this data to the extent provided in the contract. This restriction does not limit the client's or prospective client's right to use the information contained in the data if it is obtained from another source without restriction. The data subject to this restriction is contained in all marked sheets. Addresses, phone numbers, and fax numbers are listed on the HCL website at www.hcl-software.com

Copyright © 2024 HCLSoftware. All rights reserved.

Table of Contents

1	PREFACE	4
1.1	ABOUT THIS GUIDE.....	4
1.2	CONVENTIONS.....	4
2	NEW FEATURES	4
2.1	KVM INTEGRATION(OCP).....	4
2.2	NEW APIS.....	6
2.3	NEW FEATURES IN COMPONENTS	6
2.4	MASTER DATA	7
3	ENHANCEMENTS	7
3.1	ORCHESTRATOR AND COMPONENT ENHANCEMENT	7
3.2	UI AND PORTAL ENHANCEMENTS	9
3.3	REPORTING ENHANCEMENTS	11
3.4	INSTALLER ENHANCEMENTS.....	11
3.5	API ENHANCEMENTS.....	11
3.6	FIXEDBUGS.....	11
4	A GLIMPSE OF UPCOMING RELEASE	12

1 Preface

1.1 About this Guide

This document provides information regarding the new features, enhancements and bugs fixed in HCL MyCloud 10.8.1 version.

1.2 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
<u>Underlined blue</u>	Indicates cross-reference and links
<i>Italic</i>	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 New Features

2.1 KVM Integration(OCP)

- New Platform RedHat Openshift addition in admin profile and the creation of new endpoints from the provider login, currently RedHat Openshift support virtualization exclusively.

Manage Provider

The screenshot shows the 'Manage Provider' interface with the 'Add Provider' tab selected. It contains the following elements:

- Provider Name ***: A text input field.
- Provider Description ***: A text input field.
- Applicable Platforms ***: A list of checkboxes for different cloud providers. The 'RedHat Openshift' option is selected and highlighted with a red box.
- Authentication Type**: A dropdown menu currently set to 'Form Based'.

- New jobs for OCP resources sync

Job Filter* Platform: Red Hat OpenShift Provisioning Endpoint: --All--

Job Type: --All-- Job Name/ID: --All--

Status: --All--

Go Clear

Job-ID	Job Name	Description	Provisioning Endpoint	Organization	Active	Status	Last Success Run Date	Next Run Date	Action
333	Namespaces	Job is used to sync namespaces in an OCP Cluster.	RedHatOpenShiftEndpoint	HCLSoftware	Yes	Completed	08/27/2024 13:18	08/28/2024 13:18	🗑️
334	Storage Classes	Job is used to sync Storage Classes in an OCP Cluster.	RedHatOpenShiftEndpoint	HCLSoftware	Yes	Completed	08/27/2024 13:21	08/28/2024 13:21	🗑️
335	ConfigMaps	Job is used to sync ConfigMaps in an OCP Cluster.	RedHatOpenShiftEndpoint	HCLSoftware	Yes	Completed	08/27/2024 13:23	08/28/2024 13:23	🗑️
336	Nodes	Job is used to sync nodes in an OCP Cluster.	RedHatOpenShiftEndpoint	HCLSoftware	Yes	Completed	08/27/2024 13:25	08/28/2024 13:25	🗑️
337	Virtual Machine Instances	Job is used to sync Virtual Machine Instances in an OCP Cluster.	RedHatOpenShiftEndpoint	HCLSoftware	Yes	Completed	08/27/2024 12:48	08/28/2024 12:48	🗑️
338	Secrets	Job is used to sync Secrets in an OCP Cluster.	RedHatOpenShiftEndpoint	HCLSoftware	Yes	Completed	08/27/2024 13:23	08/28/2024 13:23	🗑️
339	Persistent Volumes	Job is used to sync Persistent Volumes in an OCP Cluster.	RedHatOpenShiftEndpoint	HCLSoftware	Yes	Completed	08/27/2024 13:25	08/28/2024 13:25	🗑️
340	Persistent Volume Claims	Job is used to sync Persistent Volume Claims in an OCP Cluster.	RedHatOpenShiftEndpoint	HCLSoftware	Yes	Completed	08/27/2024 13:23	08/28/2024 13:23	🗑️
341	Projects	Job is used to sync Projects in an OCP Cluster.	RedHatOpenShiftEndpoint	HCLSoftware	Yes	Completed	08/27/2024 13:25	08/28/2024 13:25	🗑️
342	Templates	Job is used to sync Templates in an OCP Cluster.	RedHatOpenShiftEndpoint	HCLSoftware	Yes	Completed	08/27/2024 13:25	08/28/2024 13:25	🗑️

Records 1 - 14 of 14

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

```
> MCLD.Functions.OCP.Namespace.
< f
  getConfigMaps
  getNetworkAttachments
  getPersistentVolumeClaims
  getSecrets
  getTemplates
  getVirtualMachines
```

```
> MCLD.Functions.OCP.
<
  getNamespaces
  getNodes
  getPersistentVolumes
  getProjects
  getStorageClasses
```

- RedHat Openshift resource allocation

Allocated Resources Allocate New Resource

Organization*: HCLSoftware Platform*: Red Hat OpenShift Provisioning Endpoint: --All--

Resource Type: --All--

Go

Resource Name	Resource Type	Platform	Provisioning Endpoint	Action
openshift-cnvr	Namespaces	Red Hat OpenShift	RedHatOpenShiftEndpoint	🗑️
default	Namespaces	Red Hat OpenShift	RedHatOpenShiftEndpoint	🗑️
test	Namespaces	Red Hat OpenShift	RedHatOpenShiftEndpoint	🗑️
nfs-client	Storage Classes	Red Hat OpenShift	RedHatOpenShiftEndpoint	🗑️
lvms.vgl	Storage Classes	Red Hat OpenShift	RedHatOpenShiftEndpoint	🗑️
lvmcqf5sc	Storage Classes	Red Hat OpenShift	RedHatOpenShiftEndpoint	🗑️

- New OOB task added for RedHat Openshift

Organization: HCLSoftware | Platform: RedHat Openshift | Provisioning Endpoint: -All- | Resource Type: -All-

Go

Resource Name	Resource Type	Platform	Provisioning Endpoint	Action
openshift-cnrv	Namespaces	RedHat Openshift	RedHatOpenshiftEndpoint	
default	Namespaces	RedHat Openshift	RedHatOpenshiftEndpoint	
test	Namespaces	RedHat Openshift	RedHatOpenshiftEndpoint	
nfs-client	Storage Classes	RedHat Openshift	RedHatOpenshiftEndpoint	
lvmcvgl	Storage Classes	RedHat Openshift	RedHatOpenshiftEndpoint	
lvmocp5sc	Storage Classes	RedHat Openshift	RedHatOpenshiftEndpoint	

2.2 New APIs

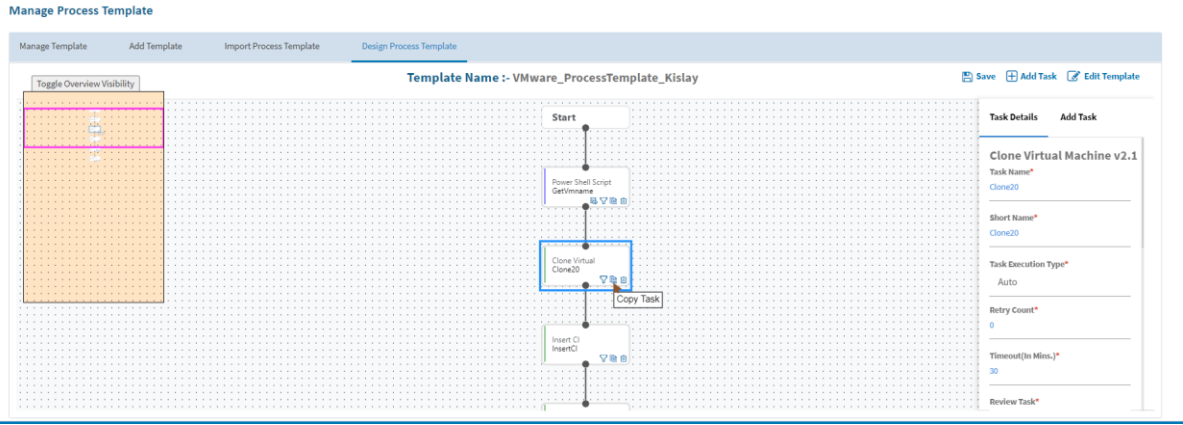
- New APIs for RedHat Openshift
- API TO EXPIRE EXISTING ACTIVE TOKENS.

2.3 New Features in Components

- Activation of Customer-Managed Keys (CMK) for disk encryption in Azure Virtual Machines, including cloning and disk addition.

Parameter Name	Parameter Description	Data Type	Parameter Value
OSDiskEncryptionSets	Operating System Disk Encryption Set	--Select--	--Select--
OSDiskEncryptionSetsRgroup	Resource Group of Disk Encryption Set	--Select--	--Select--
OSType	Operation system type i.e. Windows or Linux	UI Field	hdnOSType
ComputerName	Computer name for the VM to be provisioned	UI Field	txtVMNameOnPopup
RoleName	virtual name of machine to be displayed on azure portal	UI Field	txtVMNameOnPopup
RoleSize	VM size, it decides the compute of virtual machine to be provisioned	UI Field	ddlSize
SubscriptionID	The subscription credentials which uniquely identify the Microsoft Azure subscription. The subscription ID forms part of the URI for every service call.	Sql Functions	@@fnGetARMAzureSubscriptionID
ResourceGroupName	Resource group name which VM needs to be provisioned.	Static	HCLSW_DILAB_INFRA_RG_US_EAST
Location	Location/Region name where VM needs to be provisioned	UI Field	txtRegion
OSCreateOption	This field expects the OS creation source.	Static	FromImage
OSStorageAccountType	This field expects Storage Account Type(Blob or empty disk)	Static	StandardSSD_LRS

- Copy Task Functionality in Process Workflow Designer.



- Enabling Windows Hello for SAML login.

2.4 Master Data

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

OBJECT TYPE CODE	OBJECT TYPE
NAMESPACE	NAMESPACES
PROJECT	PROJECTS
NODES	NODES
PERSVOL	PERSISTENT VOLUMES
PERSVOLCLM	PERSISTENT VOLUME CLAIMS
STRCLASS	STORAGE CLASSES
NTWATTACH	NETWORK ATTACHMENTS
CONFIGMAPS	CONFIGMAPS
SECRETS	SECRETS

3 Enhancements

3.1 Orchestrator and Component Enhancement

- Exposure of output parameters and configuration to ensure mapping with UI fields for available tasks across GCP, AWS, and Azure platforms.

AWS

MyCloud - Manage Generic Task [NewClone - CLONE20]

InstanceType	The instance type of the instance.	UI Field	ddlInstanceType
IsEIP	Elastic ip enable or not value should be true false	UI Field	hdnIsEIP
IsEnabledMonitoring	Enabled Monitoring as a true or false	UI Field	hdnMonitoring
IsScaling	IsScaling	UI Field	hdnIsScaling
Networks	Network.xml as provided in sample	UI Field	Network
SecurityGroup	Security Group.xml as provided in sample	Static	<SecurityGroupID>sg-0d7294c5c552c2cd7</SecurityGroupID>

Output Parameters

Parameter Name	Parameter Description	Data Type	Parameter Value
Instanceid	Output variable, returns instance id of the VM	UI Field	AWS_Instanceid
PrivateIpAddress	Output variable, returns private IP address of VM	UI Field	AWS_PrivateIpAddress
Volumeid	Output variable, returns volume ids of disks attached to VM	UI Field	AWS_Volumeid

Save Close

GCP

MyCloud - Manage Generic Task [GCPClone - Clone]

TokenURL	TokenURL	Sql Functions	@@fnGetGCPTokenURL
Zone	Zone Name	UI Field	ddlZone

Output Parameters

Parameter Name	Parameter Description	Data Type	Parameter Value
ActualDiskJSON	Output variable, return all added disks to virtual machine in json format	UI Field	GCP_ActualDiskJSON
InstanceTags	Instance Tags	UI Field	GCP_InstanceTag
IpAddress	Output variable, return ip address	UI Field	GCP_IpAddress
MachineName	Output variable, returns virtual server machine name	UI Field	GCP_MachineName
NetworkDetails	Output variable, return network details	UI Field	GCP_NetworkDetails
ObjectID	Output variable, return id to identify requests.	UI Field	GCP_Objectid
PublicIpAddress	Output variable, return public ip address	UI Field	GCP_PublicIpAddress

Save Close

AZURE

MyCloud - Manage Generic Task [Provisioning Task - CLONE20]

VirtualNetworkName	This field expects Virtual Network Name(VNet)	UI Field	ddlNetwork
Zones	This field expects Availability Zone	UI Field	--Select--
OSDiskEncryptionSets	Operating System Disk Encryption Set	Static	McidCMK
OSDiskEncryptionSetsRgroup	Resource Group of Disk Encryption Set	Static	HCLSW_DILAB_INFRA_RG_US_EAST

Output Parameters

Parameter Name	Parameter Description	Data Type	Parameter Value
DataDisks	Get all added disks to virtual machine in json format (as mentioned in tooltip)	UI Field	ARM_DataDisks
IPAddress	This field expects static IP Address which will be assigned to vm	UI Field	ARM_IpAddress
Size	This field expects Azure vm Size	UI Field	ARM_Size
Tag	This field expects Key value pair which is associated with VM tag	UI Field	ARM_Tag
VirtualMachineName	Virtual Machine Name	UI Field	ARM_VirtualMachineName

Save Close

- Implementation of Assume Role for blueprint deployment in AWS.
- PROVISION FOR CONFIGURING THE ENABLING OR DISABLING OF SSL IN SMTP AT THE ORCHESTRATION OR WORKFLOW SERVICE LEVEL.

3.2 UI and Portal Enhancements

- UPDATION OF DEFAULT JOB FREQUENCY FROM 24 HOURS TO 2 MINUTES IN ITSM JOBS.
- ALL APPROVERS WITHIN THE SAME APPROVAL GROUP MUST HAVE THE CAPABILITY TO VIEW THE STATUS OF APPROVED REQUESTS IN THE HISTORY SECTION.

My Approvals

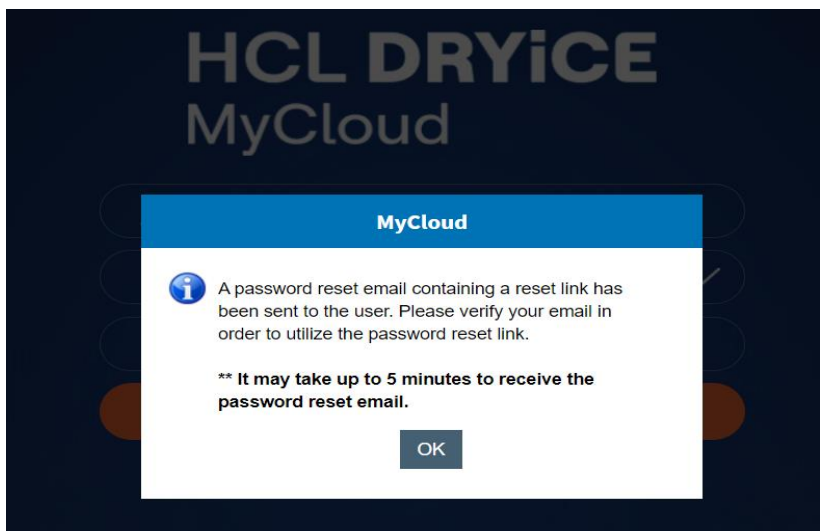
My Pending Approvals My Approval History

Platform: --All-- Action by: All Request Number: Go

Request ID	Provisioning Endpoint	Platform	Action	Request Date	Requester Name	Approval Stage	Approval Date	Status
ReqNo000009	VMwareEndpoint	Compute on Demand-vCenter	Request Provisioning	08/26/2024	hclRequester94	BA Group - Static - Level1	08/26/2024	Approved (BA2)
ReqNo000009	VMwareEndpoint	Compute on Demand-vCenter	Request Provisioning	08/26/2024	hclRequester94	BA Group - Static - Level3	08/26/2024	Approved (BA1)

Records 1 - 2 of 2

- ENHANCED FORGOT PASSWORD SCREEN IN CASE OF USER IS PART OF MULTIPLE ENTITIES



- ENHANCE THE UI TEMPLATE TO PREVENT THE DELETION OF UI FIELDS OR TABS WHEN THE TEMPLATE IS CREATED AUTOMATICALLY AS

PART OF CONVERTING A BLUEPRINT TO A PUBLISHED SERVICE CATALOG.

Manage UI Template

View UI Template **Create UI Template** Import UI Template

Organization * HclOrganization **Platform *** Amazon Web Services **Template Name *** blueprint harsh
Template Description blueprint harsh **Number of Tabs *** 1 **Approval Type *** No Approval
Request Item Mode Multiple Item View

Controls

- Text Box +
- Text Area +
- Select +
- Date +

Terraform Variable
 tags

Enter Tab Name
 Text Box

+ Add Tab

- CONFIGURE THE THRESHOLD VALUE FOR TASK COUNT IN THE ORCHESTRATOR USING BASE COMPONENT KEYS.

Manage Base Components Keys

Component Name * Orchestrator Services(ORCSERVICE) **Group Name** Message Queue Configuration **Key Name**
Key Value
 Go

Group Name	Key Name	Description	Key Value	Action
Message Queue Configuration	OrcTaskThresholdLimit	This component key is used to define the total number of message queue processes at a time for a Provider. The default value of this key is 1500, and the user cannot configure more than 2000 messages at a time. Admin users can modify the value of this key at their level.	1500	

- CONFIGURE THE QUEUE PROCESS LIMIT (TASK COUNT) FOR THE PROVIDER USING COMPONENT KEYS.
- CAPABILITY FOR THE PROVIDER ADMINISTRATOR TO CONFIGURE TOKEN TIMEOUT VALUE FOR API USERS WITHIN THE ORGANIZATION.

HCL DRYICE MyCloud hclprovider

My Reports Organization Service Catalog Workflow Management User Cost Model RBAC My Account Master more

Manage User

View Users **Add User** Import Users

User Type * Service Account Organizational User **Organization *** --Select-- **User Name ***
User Id * **Email *** **Active**
Password * **Generate Password** **Token Expiration Time (In Seconds)**

Save

3.3 Reporting Enhancements

- Users with custom roles are now able to view portal reports (e.g., CI reports).

CI Report All dates are in mm/dd/yyyy HH:mm:ss format

Filters ⊕

Additional Filter ⊕

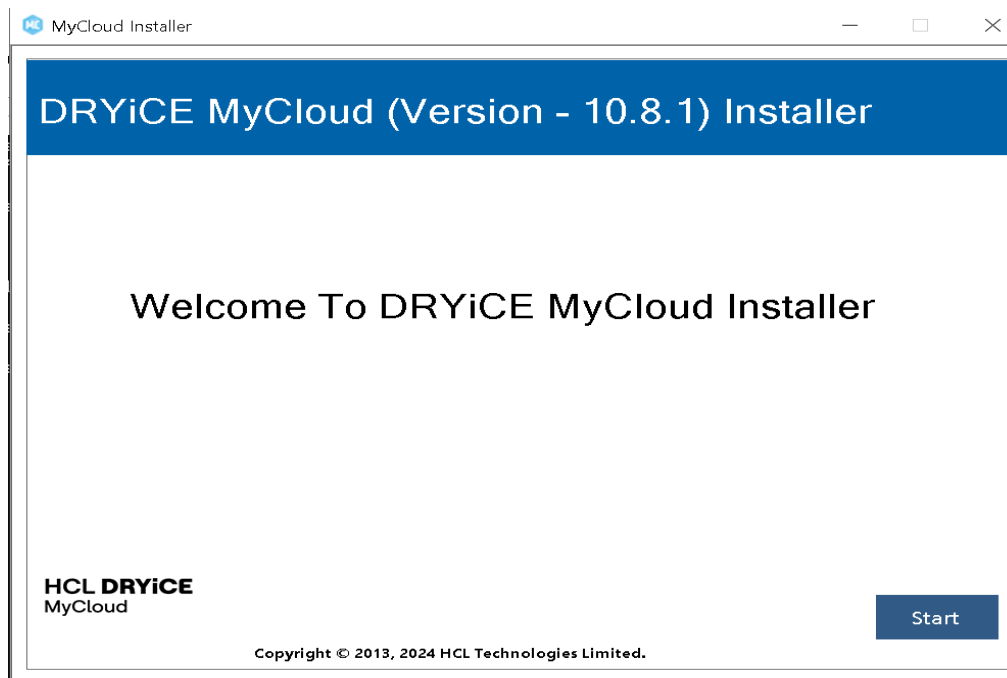
Export ⊕

Show Report Reset

ObjectID	User Email	User Name	UserEntityID	TestingbyKing	Actual Disk	ActualPlatformEntityID	Availability Set 123	Backup Default
TagIssue_Sumit	taguser@hcl.com	TagUser	TagUser					
MCLD-1115-1	HCLRequester@hcl.com	HCL Requester	HCL Requester		[{"name": "VirtualMachine-vm-44873/2000", "Data... Read more			

3.4 Installer Enhancements

- Enhancements to the installer to capture web URLs and update application layer components.
- Included Copyright information as well as placed license file.



3.5 API Enhancements

- Enhancement of the request API to store default values for UI fields when they are not specified in the request JSON payload.

3.6 Fixed Bugs

- Handling of session timeout expiration in the context of SAML login.

- A user with a different tag should not be able to view the request URL associated with another user of a different tag, even if the URL is shared deliberately.

4 A glimpse of upcoming release

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

HCLSoftware

hcltechsw.com