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HPE 3PAR Plug-in for VMware vRealize Orchestrator 2.1 Release Notes

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Overview

HPE 3PAR Plug-in for VMware vRealize Orchestrator enables support for HPE 3PAR StoreServ arrays in VMware vRealize Orchestrator. Predefined workflows in this plug-in enable specific operations in HPE 3PAR StoreServ. The plug-in:

- Automates provisioning of storage arrays.
- Protects datastores using HPE RMC.

Description

The vRealize Orchestrator is a development and process automation tool from VMware. You can develop workflows which integrate into the VMware vRealize Orchestrator. This tool enables the management of different HPE 3PAR resources and provides an option for the data center administrators to include HPE 3PAR as part of the service workflows. The workflows developed are mostly granular in nature and helps the administrator to use these workflows as building blocks in the higher-level workflows. The vRealize Orchestrator provides specific workflows which:

- Integrates the VMware vCenter datastore management when these datastores have to be created with HPE 3PAR volumes.
- Enable protection of the volumes by taking snapshots of the HPE 3PAR volume.
- Enable protection using HPE RMC.

Features

The HPE 3PAR Plug-in for VMware vRealize Orchestrator provides:

- Workflows to add multiple 3PAR systems for use within VMware vRealize Orchestrator.
- Automation of basic storage provisioning tasks.
- Basic workflows related to life cycle automation of virtual volumes and virtual volume sets.
- Basic workflows related to life cycle automation of hosts and host sets.
- Workflows related to adding and modifying priority optimization parameters using QoS settings.
- Workflows to manage life cycle of common provisioning groups.
- Basic workflows to create and manage 3PAR physical copies of virtual volumes and volume sets.
- Basic workflows to create and delete storage containers for VMware VVols.
- Basic workflows related to protection of volumes using snapshot life cycle operations.
- Workflows to use HPE RMC protection features (Snapshot and Express Protect) to protect VMware VMFS datastores created with 3PAR virtual volumes.

Supported configurations

- HPE 3PAR StoreServ arrays hosting HPE 3PAR OS 3.2.2 MU4, 3.2.2 MU6, 3.3.1 MU2, and 3.3.1 MU3.
- VMware vRealize Orchestrator 7.3.1, 7.4.0, and 7.5.0.
- VMware vCenter server 6.5 U1, 6.5 U2, 6.7, and 6.7 U1.

Prerequisites

The HPE 3PAR plugin for VMware vRealize Orchestrator depends on the following:

- To add a 3PAR connection, **Import a certificate from URL with certificate alias** workflow available in **Library** > **HPE Storage** > **3PAR StoreServ** > **Connection Management**.
- **RescanAll** action available in `com.vmware.library.vc.storage`.
- To add a RMC instance, **Import a certificate from URL with certificate alias** workflow available in **Library** > **HPE Storage** > **3PAR StoreServ** > **Protection** > **Manage RMC Instances**.
- Register the RMC-V plug-in with vCenter for using the protection features.

If the workflows and actions are not available in vRO or if they are modified, the execution of the HPE 3PAR plugin fails or may not provide the expected results.

What's new in 2.1

The enhancements in this release of HPE 3PAR Plug-in for VMware vRealize Orchestrator are:

- Workflows to create and delete storage containers for virtual volumes in HPE 3PAR arrays.
- Workflow to register HPE 3PAR VASA Provider in VMware vCenter.
- Workflows to mount and unmount VVol datastore.
- Workflow to migrate VMs from VMFS datastore to VVol datastore.
- Workflow to promote VVol VM snapshot.
- Workflows to view the status of VASA and start or stop VASA in HPE 3PAR.

Fixes

There are no fixes in this release.

Issues and suggested actions

There are no known issues. Refer the trouble shooting section in the *HPE 3PAR Plug-in for VMware vRealize Orchestrator User Guide* for trouble shooting tips.

Websites

Website	Link
Contact Hewlett Packard Enterprise Worldwide	**www.hpe.com/assistance**
Subscription Service/Support Alerts	**www.hpe.com/support/e-updates**
Software Depot	**www.hpe.com/portal/swdepot**
Customer Self Repair	**www.hpe.com/support/selfrepair**
Documentation	
Hewlett Packard Enterprise Information Library	**www.hpe.com/info/enterprise/docs**
Hewlett Packard Enterprise Support Center	**www.hpe.com/support/hpesc**
Single Point of Connectivity Knowledge (SPOCK) Storage Compatibility Matrix	**www.hpe.com/storage/spock/**
Storage White Papers	**www.hpe.com/storage/whitepapers**
HPE Recovery Manager Central	**HPE RMC documents**

Documentation feedback

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