Ansible Modules for Dell EMC PowerMax

Version 1.0

Release Notes

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DELL EMC

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Release Notes

These release notes contain supplemental information about Ansible Modules for Dell EMC PowerMax. Topics include:

Revision history

Date	Document revision	Description of changes
June 2019	01	First release of the product.

Product description

This section describes the Ansible Modules for Dell EMC PowerMax arrays.

The Ansible Modules for Dell EMC PowerMax are used for managing volumes, storage groups, ports, port groups, host, host groups, masking views, and snapshots for PowerMax arrays. The modules use playbooks to list, show, create, delete, and modify each of the entities.

New features and changes

This section describes the new features of the Ansible Modules for Dell EMC PowerMax in this release.

The Ansible Modules for Dell EMC PowerMax supports the following features:

- Create volumes, storage groups, hosts, host groups, port groups, masking views, and snapshots of a storage group.
- Modify volumes, storage groups, hosts, host groups, and port groups in the array.
- Delete volumes, storage groups, hosts, host groups, port groups, masking views, and snapshots of a storage group.
- Get details of a port.
- Get entities of the array.
- Support for Red Hat Linux version 7.5.
- Support for PowerMax and VMAX All Flash storage array.
- Support for Unisphere 9.0.x.

Known problems and limitations

This section lists the known problems and limitations of Ansible modules for Dell EMC PowerMax.

- Known problems
- Limitations

Known problems

The following table shows the known problems in Ansible modules for Dell EMC PowerMax:

Table 1 Known problems

Problem number	Issue	Impact	Workaround
PMX-145	The following error is displayed when you expand or delete large volumes: `Device is in use; Operations like delete and expand cannot be performed`	When you delete large volumes, multiple retries may be required.	Delete the volumes manually using Unisphere.
PMX-149	Renaming the non *0th* generation snapshots does not work.	Currently *0th* generation is supported.	Rename manually.
PMX-151	When a snapshot of a parent storage group and a child storage group is taken with the same snapshot name, deletion of parent storage group snapshot fails.	The snapshots must be deleted manually.	Use different names for the snapshots when creating snapshots of a parent storage group and a child storage group simultaneously.
PMX-205	When you list volumes using the *Gather Facts* module, all volumes are returned. This list includes the internal *TDAT* volumes.	Not all the volumes that are listed in the output can be accessed using the Ansible modules.	Use the volume listing functionality of Gather Facts only when needed. This process is a time-consuming and depends on the number of volumes on the array. In general, access the volumes directly using the volume module - which works on one volume at a time.

Limitations

The table in this section lists the limitations for Ansible modules for Dell EMC PowerMax.

Table 2 Limitations

Symptoms	Prevention, resolution, and workaround
Creating a Host Group using hosts with conflicting host-flags values fails with the following error: `The operation will result in consistent lun violation`. An empty host group with the same name is created.	None
Creating a host with in-use initiators fails with the following error: `PyU4V.utils.exception.VolumeBackendAPIException: Bad or unexpected response from the storage volume backend API: Error Create host resource. The status code received is 500 and the message is {u'message': u'A problem occurred creating the host resource: Error for: <array id>/Host2: The operation cannot be completed because the specified WWN is already in use in another Initiator Group. WWNs cannot be in multiple Initiator Groups'}.`	None
When using the Gather Facts module, if the user does not provide the `gather-subset` parameter, an empty results list is returned.	The empty list is an expected result.

Software media, organization, and files

This section provides information about where to find the software files for this release of the product.

The software package is available for download from the Ansible Modules for PowerMax GitHub page.

Additional resources

This section provides more information about the product, how to get support, and provide feedback.

Documentation

This section lists the related documentation for Ansible Modules for Dell EMC PowerMax.

The Ansible Modules for Dell EMC PowerMax is available on Ansible Modules for PowerMax GitHub page. The documentation includes the following:

- Ansible Modules for Dell EMC PowerMax Release Notes (this document)
- Ansible Modules for Dell EMC PowerMax Product Guide

Troubleshooting and getting help

Use the resources in this topic to get help and support.

Product Information

For documentation, release notes, software updates, or information about Dell EMC products, go to Dell EMC Online Support.