Ansible Modules for Dell EMC PowerMax

Version 1.1

Release Notes

December 2019

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
December 2019	01	Ansible Modules for Dell EMC PowerMax release 1.1

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, SRDF Links, RDF Groups, and snapshots for PowerMax arrays. The modules use playbooks to list, show, create, delete, and modify each of the entities.

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.

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 release 1.1 supports the following features:

- The SRDF Module supports the following functionalities:
  Note: See SRDF documentation for more details about SRDF functionality.
  - Create SRDF pair with the following replication modes:
    - Synchronous
    - Asynchronous
    - Adaptive copy
    - Active mode
  - Get SRDF pair states for a given storage group and RDFG number.
  - Modify SRDF pair mode.
  - Perform the following operations:
    - Establish
    - Restore
    - Swap

    - Failover
    - Resume
    - Suspend
    - Split
    - Failback
    - Setbias
  - Metro configurations: Set bias operation, change resiliency between bias and witness.
  - Run create and update operations Asynchronously (by default) or synchronously.
  - Get Job details for a given Job ID.
  - Delete SRDF pair.
- Get details for RDF Groups
- Support for Unisphere 9.1
- Support for Python version 3.5.2
- Support for PyU4V python library version 3.1.x
- Support for PowerMaxOS 5978.444.444

The following enhancements have been made:

- The RDF Groups PowerMax entity and TDEV Volume filter, have been added to the Gather Facts module.
- The following operations for the Volume module are supported through WWN:
  - Get
  - Expand
  - Move
  - Rename
  - Delete

Known problems and limitations

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

Known problems

There are no known problems in this release.

Limitations

This section lists the limitations in this release of Ansible modules for Dell EMC PowerMax.

- Device expansion and Online Device expansion for metro and non-metro configurations are not supported.
- Online Device expansion for SRDF replicated volumes is not supported using Ansible modules. Support is available through the Unisphere for PowerMax UI and REST API.

- The Star, Concurrent, and Cascaded multisite SRDF configurations are not supported.
- The Invalidate, Ready, Not Ready, Move Pairs, and Refresh SRDF pairing operations are not supported.
- Migration use cases are not supported through the SRDF Module.
- PyU4V v9.1 is not supported in the current release. Use PyU4V version 3.1.x to run the playbooks.

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

Troubleshoot and get help

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

Product Information

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

Technical support

Ansible modules for PowerMax are supported by Dell EMC, and are provided under the terms of the license that is attached to the source code.

For Ansible configuration, setup issues, or questions, use the Dell EMC Automation community. For any issues with Dell EMC Storage, contact Dell EMC Online Support.