



Dell EMC: VMAX & PowerMax Unisphere API PowerPack Release Notes

Version 204

Overview

Version 204 of the "Dell EMC: VMAX and PowerMax Unisphere API" PowerPack removes Python 2 support, disables (by default) Dynamic Applications that do not support API 10.x, and updates the PowerPack so Dynamic Applications that use the HTTP POST method are now able to use headers.

- **Minimum Required SL1 Version:** 12.1.2
- **Minimum Required Version of Unisphere for VMAX:** 8.4

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Before You Install or Upgrade

Ensure that you are running version 12.1.2 or later of SL1 before installing the "Dell EMC: VMAX and PowerMax Unisphere API" PowerPack.

NOTE: For details on upgrading SL1, see the relevant [SL1 Platform Release Notes](#).

Installation or Upgrade Process

To install version 204 of the "Dell EMC: VMAX and PowerMax Unisphere API" PowerPack, perform the following steps:

CAUTION: You cannot upgrade to Version 204 of the "Dell EMC: VMAX and PowerMax Unisphere API" PowerPack from the *Dell EMC: VMAXPowerPack*. You must freshly install this version and run a new discovery session.

To install this PowerPack:

1. Familiarize yourself with the [Known Issues](#) for this release.
2. See the [Before You Install or Upgrade](#) section. If you have not done so already, upgrade your system to the 12.1.2 or later release.
3. Download the "Dell EMC: VMAX and PowerMax Unisphere API" version 204 PowerPack from the Support Site to a local computer.

4. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. When prompted, import "Dell EMC: VMAX and PowerMax Unisphere API" version 204.
5. Click the **[Install]** button. For details on installing PowerPacks, see the chapter on *Installing a PowerPack* in the **PowerPacks** manual.

Features

This release includes the following features:

- The following Dynamic Applications to monitor core storage for Dell EMC: VMAX and PowerMax using its native REST API:
 - Dell EMC: VMAX Unisphere Array Capacity Stats
 - Dell EMC: VMAX Unisphere Array Config
 - Dell EMC: VMAX Unisphere Array Discovery
 - Dell EMC: VMAX Unisphere Components Config
 - Dell EMC: VMAX Unisphere Front End Director Discovery
 - Dell EMC: VMAX Unisphere Front End Director Stats
 - Dell EMC: VMAX Unisphere Front End Port Stats
 - Dell EMC: VMAX Unisphere SLO Array Capacity Stats
 - Dell EMC: VMAX Unisphere SLO Array Discovery
 - Dell EMC: VMAX Unisphere SLO Components Config
 - Dell EMC: VMAX Unisphere SLO Storage Group Discovery
 - Dell EMC: VMAX Unisphere SLO Storage Group LUN Config
 - Dell EMC: VMAX Unisphere Storage Group Discovery
 - Dell EMC: VMAX Unisphere Storage Group LUN Config
 - Dell EMC: VMAX Unisphere Storage Group SLO Config
 - Dell EMC: VMAX Unisphere Storage Group Stats
 - Dell EMC: VMAX Unisphere Storage Pool Capacity Stats
 - Dell EMC: VMAX Unisphere Storage Pool Discovery
 - Dell EMC: VMAX Unisphere Storage Resource Pool Capacity Stats
 - Dell EMC: VMAX Unisphere Storage Resource Pool Discovery
- Device Classes for each type of VMAX and PowerMax device monitored
- Event Policies that are triggered when VMAX and PowerMax devices meet certain status criteria

- An example credential that you can use as a template to create a SOAP/XML credential for connecting to a Unisphere

Enhancements and Issues Addressed

The following enhancements and addressed issues are included in this release:

- Updated Dynamic Applications that use the HTTP POST method so they can now use headers while making an HTTP request.
- Dynamic Applications that do not support API version 10.x are disabled by default.
- Removed the Python 2 library from the PowerPack.

Known Issues

This release has no known issues.

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