# Dell EMC: VMAX and PowerMax Unisphere API PowerPack Release Notes

Version 200

# Overview

Version 200 of the *Dell EMC: VMAX and PowerMax Unisphere API* PowerPack has the ability to discover and monitor VMAX and PowerMax components using the Unisphere REST API.

- **Minimum Required Platform Version**: xxx
- **Support Status**: GA
- **Minimum Required Version of Unisphere for VMAX**: 8.4.0

This document describes:

- *Pre-installation information*
- *The installation process for the PowerPack*
- *The features included in version 200*

# Before You Install

Ensure that you are running version xxx or later of the ScienceLogic platform before installing the *Dell EMC: VMAX and PowerMax Unisphere API* PowerPack version 200.

> **NOTE**: For details on upgrading the ScienceLogic platform, see the appropriate ScienceLogic Release Notes.

# Installation Process

> **CAUTION**: You cannot upgrade to version 200 of the *Dell EMC: VMAX and PowerMax Unisphere API* from the *Dell EMC: VMAX* PowerPack. You must freshly install version 200 and run a new discovery session.

To install the *Dell EMC: VMAX and PowerMax Unisphere API* PowerPack, perform the following steps:

1. Familiarize yourself with the *Known Issues* for this release.
2. See the *Before You Install* section. If you have not done so already, upgrade your system to the xxx or later release.
3. Download version 200 of the *Dell EMC: VMAX and PowerMax Unisphere API* PowerPack from the Customer Portal 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 version 200 of the PowerPack.

5.  After importing the PowerPack, you will be prompted to install the PowerPack. Click the **Install** button to install the PowerPack.

# Included Features

*Dell EMC: VMAX and PowerMax Unisphere API* PowerPack version 200 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
- A Run Book Action and Run Book Automation Policy to classify the root Device Class