



VMware: vSphere Base Pack PowerPack Release Notes

Version 212

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Overview

VMware: vSphere Base Pack PowerPack version 212 adds support for distributing VMs across multiple collectors and a number of collection objects and presentation objects.

- **Minimum Required Platform Version:** 8.8.1
- **Support Status:** GA

This document describes:

- [Pre-install or pre-upgrade information](#)
- The [new installation process](#)
- The [upgrade process](#)
- The [features](#) in version 212
- The [issues addressed](#) in version 212
- The [known issues](#) for version 212

CAUTION: The Dynamic Applications that collect VSAN configuration information and statistics are not supported on CentOS 5 Data Collectors. These Dynamic Applications require Python version 2.7 or later, which is not supported on CentOS 5. See the latest 8.x ScienceLogic Release Notes for information about CentOS 5 compatibility and migration.

Before You Install or Upgrade

Ensure that you are running version 8.8.1 or later of the ScienceLogic platform before installing or upgrading to the VMware: vSphere Base Pack PowerPack version 212.

NOTE: For details on upgrading the ScienceLogic platform, see the appropriate ScienceLogic [Release Notes](#).

Installing the VMware: vSphere Base Pack version 212

If you are installing the VMware: vSphere Base Pack PowerPack **for the first time** (that is, if you have never installed a VMware: vSphere Base Pack PowerPack before), perform the following steps to install the PowerPack:

1. See the [Before You Install or Upgrade](#) section.
2. Familiarize yourself with the [Known Issues](#) for this release. If you have not done so already, upgrade your system to the 8.8.1 or later release.
3. Download the VMware: vSphere Base Pack PowerPack version 212 to a local computer.

4. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. Import *VMware: vSphere Base Pack* PowerPack version 212. For details on importing PowerPacks, see the chapter on *Installing a PowerPack* in the **PowerPacks** manual.
5. Click the **[Install]** button. For details on installing PowerPacks, see the chapter on *Installing a PowerPack* in the **PowerPacks** manual.
6. See the manual **Monitoring VMware** for instructions on using the new *VMware: vSphere Base Pack* PowerPack.

Upgrade Process

If you are upgrading from versions of the *VMware: vSphere Base Pack* PowerPack prior to version 203, follow the upgrade steps in the release notes for *VMware: vSphere Base Pack* PowerPack version 203 and upgrade to version 203. After performing those steps, perform the steps in this section.

TIP: By default, installing a new version of a PowerPack will overwrite all content in that PowerPack that has already been installed on the target system. You can use the **Enable Selective PowerPack Field Protection** setting in the **Behavior Settings** page (System > Settings > Behavior) to prevent the new PowerPack from overwriting the local changes for some commonly customized fields.

NOTE: If you are currently using the Dynamic Applications in the *VMware: vSphere Base Pack* PowerPack to monitor devices, collection errors might occur for one or two polling cycles during the installation of a new version. To prevent collection errors during an upgrade, you can disable collection for monitored devices before performing the following steps and re-enable collection after the upgrade.

CAUTION: If you want to delete and reinstall version 203 or higher of the *VMware: vSphere Base Pack* PowerPack, you should first delete any existing copies of the Device Template included in the PowerPack and then create new versions of them after reinstalling the PowerPack. Doing so ensures that any copies of the Device Template included in the PowerPack will work properly after reinstallation. You should then assign the new Device Template(s) to any existing Discovery Sessions that were linked to the previous versions of the template(s).

1. If necessary, upgrade to *VMware: vSphere Base Pack* PowerPack version 203.
2. Familiarize yourself with the **Known Issues** for this release.
3. See the **Before You Install or Upgrade** section. If you have not done so already, upgrade your system to the 8.8.1 or later release.
4. Go to the Customer Portal and download version 212 of the *VMware: vSphere Base Pack* PowerPack to a local computer.
5. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. Import the *VMware: vSphere Base Pack* PowerPack version 212. For details on importing PowerPacks, see the chapter on *Installing a PowerPack* in the **PowerPacks** manual.

6. Click the **[Install]** button. For details on installing PowerPacks, see the chapter on *Installing a PowerPack* in the **PowerPacks** manual.
7. See the manual **Monitoring VMware** for instructions on using the new VMware: vSphere Base Pack PowerPack.

Features

VMware: vSphere Base Pack PowerPack version 212 includes the following features:

- Dynamic Applications that discover and collect data from all VMware objects and their children
- Events that address all actions and statuses on VMware objects
- Device Classes for all types of VMware objects
- Device Dashboards for all types of VMware devices
- Sample Credentials for discovering VMware servers and VMware vCenter 6
- A Device Template that helps align Dynamic Applications to devices

Enhancements and Issues Addressed

The following enhancements and addressed issues are included in version 212 of the VMware: vSphere Base Pack PowerPack:

- The Dynamic Applications in the PowerPack were updated to support Unicode in snippets.
- The PowerPack now supports a maxQueryMetrics value of -1, which allows unlimited metric requests in an API call.

CAUTION: If you set maxQueryMetrics to -1, requests will be made for every virtual machine being monitored, which will result in potentially over 10,000 requests rolled into a single API query and a heavy CPU and/or database load on the vCenter. Use this setting with caution.

- The "CPU Ready %" presentation object was added to the "VMware: VirtualMachine CPU Performance" Dynamic Application.
- The "VMware: VirtualMachine Disk Performance" Dynamic Application added the following collection objects and presentation objects:
 - Collection Objects:
 - Disk Read Latency
 - Disk Write Latency
 - Presentation Objects:

- Disk Read Average
 - Disk Write Average
 - Disk Read Latency
 - Disk Write Latency
- All Bulk Performance Dynamic Applications, except "VMware: ResourcePool Performance", were updated to allow data to be cached on a local collector so virtual machines can be assigned to any collector.

NOTE: To distribute VMs across multiple collectors you must be on SL1 version 8.9.0 or later, and collector affinity needs to be set to "Assigned Collector" on the desired Dynamic Applications.

- The silo_credential_test content library was updated to address an issue in which an "invalid literal for float ()" error was occurring.

Known Issues

The following are known issues that affect version 212 of the *VMware: vSphere Base Pack PowerPack*:

- The "VMware: ComponentCount Configuration" Dynamic Application sometimes logs the exception: `AssertionError File "/var/lib/em7/content/vmware_cache_file_support.py", line 298, in _get_cache_entries_key`. This exception occurs during initial discovery when the Inventory Cache is being built and not all items have been inventoried yet. This exception will not affect collection.
- The vSAN SDK version is 6.2.0 and needs to be upgraded to 6.6.1 which may lead to one or more vSAN Dynamic Application collection failures. The "VMWare: ClusterComputeResource VSAN Health Config" Dynamic Application is not collecting most of its collection items and the "VMWare: ClusterComputeResource VSAN Capacity Stats" Dynamic Application is not collecting its stats. The other vSAN Dynamic Applications appear to be collecting their data (against vCenter 6.5), but it is possible that other collections might fail depending on the vCenter version.

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