



VMware: vSphere Base Pack PowerPack Release Notes

Version 206

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Overview

VMware: vSphere Base Pack PowerPack version 206 is an upgrade to the previous PowerPack. Version 206 includes several new Dynamic Applications and Event Policies to support VSAN-related component devices and events, and adds tiers to the PowerPack's Device Classes. Version 206 also updates the PowerPack to general availability (GA).

- **Minimum Required Platform Version:** 8.2.0
- **Support Status:** GA

This document describes:

- [Pre-Install or Pre-upgrade information](#)
- The [New Installation process](#)
- The [upgrade process](#)
- The [features](#) in the VMware: vSphere Base Pack version 206
- The [issues addressed](#) in the VMware: vSphere Base Pack version 206
- The [known issues](#) for VMware: vSphere Base Pack version 206

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 Release Notes for information about CentOS 5 compatibility and migration.

Before You Install or Upgrade

Ensure that you are running version 8.2.0 or later of the the ScienceLogic platform before installing the VMware: vSphere Base Pack version 206.

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

PowerPack	Minimum EM7 Version
VMware: vSphere Base Pack (v7.8.3)	no minimum required
VMware: vSphere Base Pack (v100)	7.8.0
VMware: vSphere Base Pack (v150)	8.1.0

PowerPack	Minimum EM7 Version
VMware: vSphere Base Pack (v200)	8.1.1
VMware: vSphere Base Pack (v202)	8.1.1
VMware: vSphere Base Pack (v203)	8.1.3
VMware: vSphere Base Pack (v204)	8.2.0
VMware: vSphere Base Back (v205)	8.2.0
VMware: vSphere Base Pack (v206)	8.2.0

Installing the VMware: vSphere Base Pack version 206

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 Upgrade](#) section.
2. Familiarize yourself with the [Known Issues](#) for this release. If you have not done so already, upgrade your system to the 8.2.0 or later release.
3. Download the VMware: vSphere Base Pack version 206 PowerPack to a local computer.
4. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. Import the VMware: vSphere Base Pack version 206 PowerPack. 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, version 203 and upgrade to VMware: vSphere Base Pack, 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 optionally 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, version 203.
2. Familiarize yourself with the [Known Issues](#) for this release.
3. See the [Before You Upgrade](#) section. If you have not done so already, upgrade your system to the 8.2.0 or later release.
4. Go to the Customer Portal and download version 206 of the VMware: vSphere Base Pack 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 version 206 PowerPack. 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 version 206 includes the following features:

- Dynamic Applications (84) that discover and collect data from all VMware objects and their children
- Events (573) that address all actions and statuses on VMware objects
- Device Classes (24) for all types of VMware objects
- Device Dashboards (7) for all types of VMware devices
- Sample credentials (2) 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 206 of the VMware: vSphere Base Pack PowerPack:

- The functionality added in beta versions of the PowerPack (versions 204 and 205) is now general availability (GA).
- The following new Dynamic Applications were added to the PowerPack:
 - VMware: ClusterComputeResource VSAN Capacity Stats
 - VMware: ClusterComputeResource VSAN Cluster Front End Stats
 - VMware: ClusterComputeResource VSAN Cluster Back End Stats
 - VMware: ClusterComputeResource VSAN Host Front End Stats
 - VMware: ClusterComputeResource VSAN Host Back End Stats
 - VMware: ClusterComputeResource VSAN Disk Group Stats
 - VMware: ClusterComputeResource VSAN Disk Group Congestion Stats

NOTE: For these Dynamic Applications to work properly, you must first enable vSAN Performance Service. To do so, log in to the vSphere Web Client and navigate to Cluster View > Manage > Virtual VSAN > Health and Performance, then turn on the Performance Service.

- VSAN-related Event Policies have been added to the PowerPack.
- Tier values were added to the Device Classes in the PowerPack.

Known Issues

The following are known issues that affect version 206 of the VMware: vSphere Base Pack PowerPack. These issues will be addressed in a future release:

- There is a known issue that causes the Dynamic Applications that collect VSAN configuration information and statistics to generate snippet exceptions during nightly discovery. To work around this issue, you can edit the credential and in the **URL** field, replace %D with the IP address or hostname of the VMware root device.
 - Here is an example of the snippet exception:

```
"2017-02-24 03:20:12,782","ERROR","123","Error in app VMware:
ClusterComputeResource VSAN Health Config (id: 1267) on device 96: Traceback
(most recent call last):
File "<string>", line 25, in <module>
File "/usr/local/silo/content/python/app.py", line 63, in __init__
File "/usr/local/silo/content/python/connect.py", line 90, in SsoSmartConnect
File "/opt/em7/lib/python/pyvmomi-6.0.0-py2.7.egg/pyVmomi/SoapAdapter.py", line
1191, in __init__
if host.find(':') != -1: # is IPv6?
AttributeError: 'NoneType' object has no attribute 'find'
```

- It might take several (typically about 4) collection cycles for the new collection objects that have been added to the "VMware: ClusterComputeResource VSAN Health Config" Dynamic Application to appear after you upgrade the PowerPack.
- VSAN-related events of the "ExtendedEvent" type do not currently have Event Policies aligned to them. Support for these event types will be added in a future PowerPack release.

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