



VMware: vSphere Base Pack PowerPack Release Notes

Version 207

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Overview

VMware: vSphere Base Pack PowerPack version 207 is an upgrade to the previous PowerPack. Version 207 updates the "VMware: Events" Dynamic Application to use the EventManager.EventHistoryCollector API, adds generic severity-based event policies, and creates relationships between VMware virtual machines and the Cisco Cloud Center application, among other updates.

- **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 version 207
- The [issues addressed](#) in version 207
- The [known issues](#) for version 207

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 8.2.0 or later of the the ScienceLogic platform before installing the VMware: vSphere Base Pack version 207.

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
VMware: vSphere Base Pack (v207)	8.2.0

Installing the VMware: vSphere Base Pack version 207

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 8.2.0 or later release.
3. Download the VMware: vSphere Base Pack version 207 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 207 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 Install or 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 207 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 207 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 207 includes the following features:

- Dynamic Applications (84) that discover and collect data from all VMware objects and their children
- Events (578) 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 207 of the VMware: vSphere Base Pack PowerPack:

- Generic Event Policies for each severity level were added to capture all alerts from vCenter and ESXi that do not match more specific Event Policies.
- The "VMware: Events" Dynamic Application was updated to use the EventManager.EventHistoryCollector API.
- The Dynamic Applications in the PowerPack have been updated to create relationships between VMware virtual machines and the Cisco Cloud Center application.
- VSAN-related logging capabilities were improved.
- VSAN session cookies were updated to consistently use the .lwp file extension.
- The Dynamic Applications in the PowerPack were updated to conform with ScienceLogic's PowerPack content standards.
- An issue was addressed that was causing a KeyError message to display when a VSAN UUID was not returned.

Known Issues

The following are known issues that affect version 207 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'
```

- There is a known issue that causes the Dynamic Applications that collect VSAN host and disk performance statistics to generate snippet exceptions due to disconnected hosts.

- Here is an example of the snippet exception:

```
"2017-03-31 14:40:22,925","ERROR","123","Error in app VMWare:
ClusterComputeResource VSAN Disk Group Congestion Stats (id: 1275) on device 18:
Traceback (most recent call last):
File "<string>", line 11, in <module>
File "/usr/local/silo/content/python/vsan_app_collector.py", line 113, in
collect
File "/usr/local/silo/content/python/vsan_perf_endpoint_collector.py", line 137,
in collect
File "/usr/local/silo/content/python/vsan_perf_endpoint_collector.py", line 214,
in _build_uuid_map
AttributeError: 'NoneType' object has no attribute 'vsanHostConfig'
```

- 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.
- A "Credential type cannot be retrieved" error might occur for ESXi hosts and vCenters 5.1 and below if the "Embed Value [%3]" in the credential does not have a value. This error does not typically display for vCenter 6 or above.

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