VMware: vSphere Base Pack PowerPack Release Notes

Version 215

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Overview

VMware: vSphere Base Pack PowerPack version 215 addresses issues identified in the previous version of the PowerPack.

- **Minimum Required Platform Version**: 8.10.1
- **Support Status**: GA

This document describes:

- *Pre-install or pre-upgrade information*
- The *new installation process*
- The *upgrade process*
- The *features* in version 215
- The *issues addressed* in version 215
- The *known issues* for version 215

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 ScienceLogic Release Notes for information about CentOS 5 compatibility and migration.

Before You Install or Upgrade

Ensure that you are running version 8.10.1 or later of SL1 before installing or upgrading to the *VMware: vSphere Base Pack* PowerPack version 215.

NOTE: For details on upgrading SL1, see the appropriate ScienceLogic Release Notes.

Installing the VMware: vSphere Base Pack version 215

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 8.10.1 or later release.
3. Download the *VMware: vSphere Base Pack* PowerPack version 215 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 215. 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 completing 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 re-installation. 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 8.10.1 or later release.
4. Go to the Customer Portal and download version 215 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 215. 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 215 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 215 of the *VMware: vSphere Base Pack* PowerPack:

- Fixed an issue that causes devices to disappear when the "Linux: Inventory Cache" Dynamic Application fails.
- Fixed an issue that caused the *VMware: vSphere Base Pack* PowerPack to erroneously detect VMs which no longer exist or have been removed from the host server.

Known Issues

The following are known issues that affect version 215 of the *VMware: vSphere Base Pack* PowerPack:

- In rare cases, virtual devices that have been removed may continue to appear in the Dynamic Component Mapping (DCM) tree. This can happen when a device is removed or deleted from the vCenter and there is a minor network or other communication error close to that event, preventing the active session used by the "Linux: Inventory Cache" Dynamic Application from getting the update. This issue is targeted for a fix in an upcoming version. If encountered, the problem can be mitigated by running a script that has been provided to ScienceLogic Customer Support that will reset the sessions and the cached inventory.
- System logs may show a minor error related to logging out of an existing session that is not updated in the cache. If this happens, the *VMware: vSphere Base Pack* PowerPack has no way to know that a device was removed, and will continue to report it using cached data. This issue is targeted for a fix in an upcoming version. If encountered, the problem can be mitigated by running a script that has been provided to ScienceLogic Customer Support that will reset the sessions and the cached inventory.
- 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.
- Enabling certain Dynamic Applications can cause duplicate components. SL1 will preserve historical data collections for any cross-vCenter VM migrations causing the unique identifier to be regenerated. This is only applicable to users usingSL1 versions 8.12.2 and earlier.

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