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# VMware: vSphere Base Pack PowerPack Release Notes

Version 307

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## Overview

Version 307 of the VMware: vSphere Base Pack PowerPack adds a new threshold for multiple Dynamic Applications, adds two new Collection Objects to the "VMware: VirtualMachine Configuration" Dynamic Application, and addresses an issue with missing devices.

- **Minimum Required SL1 Version:** 10.2.0
- **Minimum Required VMware vSphere PowerPack Version:** 215

**CAUTION:** Upgrading from versions of this PowerPack prior to 215 may cause some VMware collections to stop working or cause outages. It is recommended to first upgrade to version 215 of the PowerPack before upgrading to this release.

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## Before You Install or Upgrade

Ensure that you are running version 10.2.0 or later of SL1 before installing "VMware: vSphere Base Pack" PowerPack version 307.

**NOTE:** For details on upgrading SL1, see the relevant [SL1 Platform Release Notes](#).

Additionally, if you are upgrading from a previous version, you might need to take the following actions depending on which version of the PowerPack you currently have installed:

- If you are upgrading from a version prior to 303, then you must manually remove these Dynamic Applications, which were removed in that version:
  - VMware: RetrieveServiceContent Metadata Performance
  - VMware: InventoryCountPerformance
  - VMware: InventoryCacheMetaPerformance

- VMware: PerfMetadataPerformance
- VMware: QuickStatsCache
- VMware: QuickStatsCacheMetaPerformance
- VMware: Remove Session Cookies
- VMware: Performance Counter Lookup Configuration

**NOTE:** For instructions on deleting Dynamic Applications, see the section on "Performing Other Tasks in the Dynamic Application Manager Page " in the *Dynamic Application Development* manual.

- If you are upgrading from a version prior to 304, then you must delete an obsolete snippet (ResourcePoolResourceAllocation) from the "VMware: ResourcePool Performance" Dynamic Application, as it can cause fail events. In addition, you must also delete the following collection objects from the "VMware: ResourcePool Performance" Dynamic Application:
  - CPU Limit
  - CPU Max Usage (Mhz)
  - CPU Reservation
  - CPU Shares
  - Memory Limit
  - Memory Max Usage (Bytes)
  - Memory Reservation
  - Memory Shares

**NOTE:** For instructions on deleting Collection Objects, see the section on "Performing Bulk Actions on Collection Objects" in the *Dynamic Application Development* manual.

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## Installation Process

To install this PowerPack:

1. Search for and download the PowerPack from the **PowerPacks** page (Product Downloads > PowerPacks & SyncPacks) at the [ScienceLogic Support Site](#).
2. In SL1, go to the **PowerPacks** page (System > Manage > PowerPacks).
3. Click the **Actions** menu and choose *Import PowerPack*. The **Import PowerPack** modal appears.
4. Click **[Browse]** and navigate to the PowerPack file from step 1.
5. Select the PowerPack file and click **[Import]**. The **PowerPack Installer** modal displays a list of the PowerPack contents.
6. Click **[Install]**. The PowerPack is added to the **PowerPack Manager** page.

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## Upgrade Process

**NOTE:** You must have VMware: vSpherePowerPack version 215 or higher installed to perform this upgrade.

**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 version of the PowerPack from overwriting local changes for some commonly customized fields.

**NOTE:** If you are currently using the Dynamic Applications in this 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.

To upgrade the PowerPack, perform the following steps:

1. Familiarize yourself with the [Known Issues](#) for this release.
2. See the [Before You Install or Upgrade](#) section. If you have not done so already, upgrade your system to the 10.2.0 or later release.
3. Go to the Support Site and download version 307 of the 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 PowerPack version 307. 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 PowerPack.

**NOTE:** If you upgrade to version 307 of the PowerPack, and *devices are present that should not be*, see the section on "Purging Inventory Cache for a VMware vCenter Device" in the **Monitoring VMware** manual.

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## Enhancements and Issues Addressed

The following enhancements and addressed issues are included in version 307 of the "VMware: vSphere Base Pack" PowerPack:

- Added a new "Hide Placeholder VMs" threshold that will allow you to hide or unhide placeholder virtual machines. This threshold was added to the following Dynamic Applications:
  - VMware: ClusterComputeResource VM Discovery
  - VMware: HostSystem VM Discovery
  - VMware: ResourcePool VM Discovery

**NOTE:** The "Hide Placeholder VMs" threshold is set to "true" (1) by default. This means that on a new discovery, SRM (Site Recovery Manager) placeholder virtual machines will not be discovered or modeled. To model them, change the threshold to "false" (0).

This will not affect existing placeholder virtual machines that have already been modeled. If you are updating from an earlier version and wish to hide the placeholders, any that already exist should be deleted after upgrading.

After a failover, any new placeholder virtual machines will remain modeled, and must be either manually deleted or allowed to vanish.

- Updated the "Snapshot Count" collection object to return data properly.
- Added two new collection objects to the "VMware: VirtualMachine Configuration" Dynamic Application:
  - "Snapshot Age"
  - "Snapshot Size"
- Addressed an issue that resulted in missing devices when encountering hosts that had no defined vNICs. (Cases: 00328342, 00330056, 00333193)

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## Known Issues

Please see the requirements and limitations that apply to specific functionality in the *VMware: vSphere Base Pack* PowerPack in **Monitoring VMware Systems**.

The following known issues affect version 307 of the of the *VMware: vSphere Base Pack* PowerPack:

- After upgrading, component devices may report as "Unavailable" while a session reset takes place. These devices should return as the inventory is rebuilt.

**NOTE:** The length of time that devices are unavailable depends on the size of the vCenter you are running. For example: For a vCenter of 12,000 devices or less, this length of time should not exceed 2 hours. ScienceLogic recommends you file a Support case if devices remain unavailable for longer than 2 hours.

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