VMware: vSphere Base Pack PowerPack Release Notes

Version 304

Overview

Version 304 of the *VMware: vSphere Base Pack* PowerPack adds a new Dynamic Application and updates various Dynamic Applications.

- **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* version 304.

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

CAUTION Several Dynamic Applications were removed from the VMware: vSphere Base Pack with version 304. If you are upgrading from a previous version, then you must manually remove those Dynamic Applications prior to upgrading to version 304. Additionally, because of an update made with this version, you should also delete several collection objects from the "VMware: ResourcePool Performance" Dynamic Application if you are upgrading from a previous version. For the lists of Dynamic Applications and collection objects that need to be removed, see the Enhancements and Issues Addressed section.

Installation Process

To install this PowerPack:

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. Download the *VMware: vSphere Base Pack* version 304 PowerPack from the Support Site to a local computer.
4. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. When prompted, import *VMware: vSphere Base Pack* version 304.
5. Click the **[Install]** button. For details on installing PowerPacks, see the chapter on *Installing a PowerPack* in the ***PowerPacks*** manual.

Upgrade Process

NOTE: The user must have*VMware: vSphere*PowerPack version 215 or higher installed to do 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 latest release.
3. Go to the Support Site and download version 304 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 304. 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.

Enhancements and Issues Addressed

The following enhancements and addressed issues are included in version 304 of the *VMware: vSphere Base Pack* PowerPack:

- Removed the following Dynamic Applications from this PowerPack:
  - VMware: RetrieveServiceContent Metadata Performance
  - VMware: InventoryCountPerformance
  - VMware: InventoryCacheMetaPerformance
  - VMware: PerfMetadataPerformance
  - VMware: QuickStatsCache
  - VMware: QuickStatsCacheMetaPerformance
  - VMware: Remove Session Cookies
  - VMware: Performance Counter Lookup Configuration
- Created a new inventory collection module to collect, process, store, and cache vCenter inventory with more efficiency and less duplication. To support this effort, all discovery Dynamic Applications in the PowerPack and the "VMware: Inventory Cache" Dynamic Application were updated to use the new inventory caching method. This update changes the internal process by which caching occurs but does not impact the types of data being cached compared to previous versions of the PowerPack.
- A new execution environment is available in this version of the PowerPack. Users should remove the old execution environment after upgrading from VMware vSpherePowerPack version 215, as the old environments are not automatically deleted. For more information and warning notes, see the "*Version Requirements and Limitations*" section in ***Monitoring VMware Systems*** manual.
- Addressed an issue that generated a snippet error in the "VMWare: Tag Configuration" Dynamic Application. (Case: 00252343) SOL-19100
- Addressed an issue in which the"VMware: Datastore Capacity Performance" Dynamic Application generated an event for each polling interval. (Case: 00254546)SOL-19105
- Addressed an issue in which an "AttributeError: NoneType" resulted on a component device in maintenance mode for the "VMware: VirtualMachine Uptime Performance" and "VMware: VirtualMachine Network Performance" Dynamic Applications. (Case: 00252164) SOL-20028
- An obsolete snippet (ResourcePoolResourceAllocation) that caused fail events has been removed from the "Vmware: ResourcePool Performance" Dynamic Application that was included in previous versions of the VMware vSphere BasePack PowerPack as far back as version 300.
  If you are upgrading from a previous version, then you should manually removed the following Collection Objects from the "VMware: ResourcePool Performance" Dynamic Application to avoid errors: SOL-20248
  - 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.

- Addressed an issue in which the use of IPv6 addresses with the "%D" substitution used in credentials were not discovered. (Case: 00268672)SOL-20124
- Updated the "VMware: Tag Configuration" Dynamic Application to use the credential modeled in the VMware system. (Case: 00266911) SOL-19916
- Updated the following Dynamic Applications Event Policy definitions:
  - VMware: ClusterComputerResource Root ResourcePool Configuration
  - VMware: Datastore Capacity Performance
  - VMware: HostSystem CPU Configuration
  - VMware: HostSystem Memory Performance
  - VMware: VirtualMachine CPU Performance
  - VMware: VirtualMachine Memory Performance

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 304 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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