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# Citrix: Xen PowerPack Release Notes

Version 102

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## Overview

Version 102 of the *Citrix: Xen PowerPack* adds the ability to monitor XenCenter 7.x releases. This version also includes updates to several Dynamic Applications and alerts, among other changes.

- **Minimum Required Platform Version:** 8.7.0
- **Support Status:** GA

This document describes:

- [Pre-install or pre-upgrade information](#)
- [The Installation process for the PowerPack](#)
- [The upgrade process for the PowerPack](#)
- [The features included in version 102](#)
- [The enhancements and issues addressed in version 102](#)

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## Before You Install or Upgrade

Ensure that you are running version 8.7.0 or later of the ScienceLogic platform before installing the *Citrix: Xen PowerPack* version 102.

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

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## Installing the PowerPack

If you are installing the *Citrix: Xen PowerPack* **for the first time** (that is, if you have never installed the *Citrix: Xen PowerPack* before), perform the following steps:


1. See the [Before You Install or Upgrade](#) section. If you have not done so already, upgrade your system to the 8.7.0 or later release.
2. Download version 102 of the *Citrix: Xen PowerPack* from the Customer Portal to a local computer.
3. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. When prompted, import version 102 of the *Citrix: Xen PowerPack*.
4. After importing the PowerPack, you will be prompted to install the PowerPack. Click the **[Install]** button to install the PowerPack.

# Upgrading the PowerPack

**NOTE:** Due to the changes in the "Citrix XenCenter: VM Discovery" Dynamic Application, you must delete any existing virtual machine (VM) component devices prior to upgrading the *Citrix: Xen PowerPack*. You must also unselect the **Preserve Hostname** checkbox on the **Device Properties** page (Registry > Devices > wrench icon) for every new VM component that is created to ensure that any VM name changes in XenServer are reflected in the GUID in the ScienceLogic platform. These steps are included in the following upgrade instructions.

**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.

To upgrade from a previous version of the *Citrix: Xen PowerPack*, perform the following steps:

1. See the [Before You Install or Upgrade](#) section. If you have not done so already, upgrade your system to the 8.7.0 or later release.
2. To ensure that VM components are not re-discovered before upgrading the *Citrix: Xen PowerPack*, go to the **Device Manager** page (Registry > Devices > Device Manager) and type "XenServer Host" in the **Device Class | Sub-class** column filter. Select all of the XenServer Host devices. In the **Select Action** menu in the bottom-right corner, select *Disabled* (under **Change Collection State**) and then click **[Go]**.
3. On the **Device Manager** page, type "XenServer VM" in the **Device Class | Sub-class** column filter. Select all of the XenServer VM devices. In the **Select Action** menu, select *Delete Selected Devices* (under **Administration**) and then click **[Go]**.
4. Go to the **Dynamic Applications Manager** page (System > Manage > Applications) and type "Citrix XenCenter: VM Discovery" in the **Dynamic Application Name** column filter. Click the wrench icon () for the "Citrix XenCenter: VM Discovery" Dynamic Application. The **Dynamic Applications Properties Editor** page appears.
5. Click the **[Collections]** tab. On the **Dynamic Applications | Collections Objects** page, depending on the version of the PowerPack from which you are upgrading, either one or two GUID objects appear in the **Collection Object Registry** pane. Select the checkboxes for all GUIDs that appear in the list. In the **Select Action** menu in the bottom-right corner, select *Delete Objects* (under **Administration**) and then click **[Go]**.
6. From the Customer Portal, download version 102 of the *Citrix: Xen PowerPack* to a local computer.
7. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. Import the *Citrix: Xen PowerPack* version 102. For details on importing PowerPacks, see the chapter on *Installing a PowerPack* in the **PowerPacks** manual.
8. Click the **[Install]** button. For details on installing PowerPacks, see the chapter on *Installing a PowerPack* in the **PowerPacks** manual.
9. To re-enable collection on the XenServer Host devices, go to the **Device Manager** page (Registry > Devices > Device Manager) and type "XenServer Host" in the **Device Class | Sub-class** column filter. Select all of the

XenServer Host devices. In the **Select Action** menu in the bottom-right corner, select *Active* (under **Change Collection State**) and then click **[Go]**.

10. After the XenServer VM component devices are re-discovered, go to the **Device Properties** page (Registry > Devices > wrench icon) for every new VM component device and unselect the **Preserve Hostname** checkbox.

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## Included Features

The following features are included in version 102 of the *Citrix: Xen PowerPack*:

- Dynamic Applications that enable the ScienceLogic platform to discover, model, and monitor Citrix XenServer devices
- Event policies that are triggered when Citrix XenServer devices meet certain status criteria
- Device classes for each type of Citrix XenServer device monitored
- Device Dashboards for Citrix XenCenter Hosts, Networks, Storage Resources, and Virtual Machines
- A widget for use in Device Dashboards
- An example Basic/Snippet credential for discovering Citrix XenServer devices

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## Enhancements and Issues Addressed

The following changes are included in version 102 of the *Citrix: Xen PowerPack*:

- The PowerPack now supports XenCenter 7.x releases.
- The "Citrix XenCenter: Storage Metric Performance" Dynamic Application now aligns discovered devices to a shared storage host.
- The log messages, formula editor, and policy descriptions in the "Citrix XenCenter: Storage Metrics Performance" Dynamic Application were updated to meet content development standards.
- Collection and Presentation Object labels have been updated in the following Dynamic Applications:
  - Citrix XenCenter: Host Metrics Performance
  - Citrix XenCenter: Storage Metrics Performance
  - Citrix XenCenter: VM Metrics Performance
  - Citrix XenCenter: Pool Metrics
  - Citrix XenCenter: Network Metrics Performance
- Data Unit fields have been modified for the following Dynamic Applications:
  - Citrix XenCenter: Storage Metrics Performance
  - Citrix XenCenter: Host Metrics Performance
  - Citrix XenCenter: Network Metrics Performance

- Citrix XenCenter: Pool Metrics
- Citrix XenCenter: VM Metrics Performance
- Descriptions for Collection Objects are now populated in the following Dynamic Applications:
  - Citrix XenCenter: Host Config
  - Citrix XenCenter: Host Licensed Features Config
  - Citrix XenCenter: Host Metrics Performance
  - Citrix XenCenter: Hosts (Pool) Discovery
  - Citrix XenCenter: Hosts (Stand-Alone) Discovery
  - Citrix XenCenter: Collection Core Config
  - Citrix XenCenter: Collection Metrics Config
  - Citrix XenCenter: Network Metrics Performance
  - Citrix XenCenter: Pool Metrics
  - Citrix XenCenter: VM Metrics Performance
  - Citrix XenCenter: Storage Metrics Performance
- Virtual machines that are offline during discovery are now aligned under a "VMs Unattached" device component. When the virtual machine is turned on, they will be realigned to their hosts.
- Alert notifications for invalid credentials and invalid IP addresses now have a severity of "Major".
- The Device Class license tiers were updated as follows:

Device Class	Description	Device Class Tier
Citrix Systems, Inc.	XenCenter	1
Citrix Systems, Inc.	XenServer Control Domain	1
Citrix Systems, Inc.	XenServer Host	5
Citrix Systems, Inc.	XenServer Network	1
Citrix Systems, Inc.	XenServer Networks	1
Citrix Systems, Inc.	XenServer Pool	4
Citrix Systems, Inc.	XenServer Storage	1
Citrix Systems, Inc.	XenServer VM	4

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## Known Issues

The following known issues affects version 102 of the *Citrix: Xen PowerPack*:

- There is a known issue in XenCenter that may cause a mismatch in the control domain size with the Windows UI if it has been recently changed. The value in the ScienceLogic platform is the correct the domain size. You can double check the correct value by using PuTTY or a similar application to SSH into the Xen server and running the following command

```
./opt/xensource/libexec/xen-cmdline --get-xen dom0_mem
```

**NOTE:** The ScienceLogic platform may round this value slightly.

- There is a known issue that is causing a discrepancy between the units of measurement for metrics that are collected by some performance Dynamic Applications and the graphs that display those metrics.

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