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# Nutanix: Base Pack PowerPack Release Notes

Version 103

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## Table of Contents

Overview .....	3
Before You Install or Upgrade .....	3
Installing or Upgrading to Nutanix: Base Pack PowerPack version 103 to Monitor Prism Element .....	3
Installing or Upgrading to Nutanix: Base Pack PowerPack version 103 to Monitor Prism Central .....	4
Installing or Upgrading to Nutanix: Base Pack PowerPack version 103 to switch from Monitoring Prism Element to Monitoring Prism Central .....	5
Features .....	6
Enhancements and Issues Addressed .....	7
Known Issues .....	8

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## Overview

Version 103 of the *Nutanix: Base Pack PowerPack* adds support for Prism Central and new alerts.

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

This document describes:

- [Pre-installation or pre-upgrade information](#)
- [The installation and upgrade process for the PowerPack for monitoring Prism Element](#)
- [The installation and upgrade process for the PowerPack for monitoring Prism Central](#)
- [The installation and upgrade process for the PowerPack to switch from monitoring Prism Element to monitoring Prism Central](#)
- [The features included in version 103](#)
- [The enhancements and issues addressed in version 103](#)
- [The known issues for version 103](#)

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## Before You Install or Upgrade

Ensure that you are running version 8.10.1 or later of SL1 before installing the *Nutanix: Base Pack PowerPack* version 103.

**NOTE:** For details on upgrading the ScienceLogic platform, see the appropriate ScienceLogic [Release Notes](#).

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## Installing or Upgrading to Nutanix: Base Pack PowerPack version 103 to Monitor Prism Element

**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 the *Nutanix: 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.

To install or upgrade the *Nutanix: Base Pack* 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 8.10.1 or later release.
2. Familiarize yourself with the [Known Issues](#) for this release.
3. Download version 103 of the *Nutanix: Base Pack* PowerPack from the Customer Portal 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 version 103 of the *Nutanix: Base Pack* PowerPack.
5. After importing the PowerPack, you will be prompted to install the PowerPack. Click the **[Install]** button to install the PowerPack.
6. See the manual *Monitoring Nutanix* for instructions on using the PowerPack.

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## Installing or Upgrading to Nutanix: Base Pack PowerPack version 103 to Monitor Prism Central

**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 the *Nutanix: 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.

To install or upgrade the *Nutanix: Base Pack 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 8.10.1 or later release.
2. Familiarize yourself with the [Known Issues](#) for this release.
3. Download version 103 of the *Nutanix: Base Pack PowerPack* from the Customer Portal 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 version 103 of the *Nutanix: Base Pack PowerPack*.
5. After importing the PowerPack, you will be prompted to install the PowerPack. Click the **[Install]** button to install the PowerPack.
6. See the manual *Monitoring Nutanix* for instructions on using the PowerPack.

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## Installing or Upgrading to Nutanix: Base Pack PowerPack version 103 to switch from Monitoring Prism Element to Monitoring Prism Central

If you monitor Prism Element and want to monitor Prism Central, upgrading to version 103 or greater of the *Nutanix: Base Pack PowerPack* might require further steps, depending on if you need to keep historical data.

**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 the *Nutanix: 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.

If you need to preserve historical data, 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 8.10.1 or later release.
2. Familiarize yourself with the [Known Issues](#) for this release.
3. Download version 103 of the *Nutanix: Base Pack PowerPack* from the Customer Portal to a local computer.
4. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. Import the *Nutanix: Base Pack* version 103 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. Go to the **Device Components** page (Registry > Devices > Device Components). Find the Prism Element Component and select its checkbox.
7. In the **Select Action** drop-down list, under **Change Collection State**, select *Disabled (recursive)*.
8. Discover your Prism Central device. After discovery, all Prism Element devices that are a part of Prism Central will appear as component devices under the root device.
9. If you are discovering a Prism Central that contains Prism Element devices that have been previously discovered and user-disabled, the Prism Element devices will need to be re-enabled in order for normal Dynamic Application alignment and data collection to proceed. Go to the **Device Components** page (Registry > Devices > Device Components). Find the Prism Central device tree and select the checkboxes for the Prism Element devices that have been disabled in that tree. In the **Select Action** drop-down list, under **Change Collection State**, select *Active(recursive)*.
10. See the manual **Monitoring Nutanix** for instructions on using the PowerPack.

If you **do not** need to preserve historical data, 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 8.10.1 or later release.
2. Familiarize yourself with the [Known Issues](#) for this release.
3. Go to the **Device Components** page (Registry > Devices > Device Components). Find the Prism Element Component and select its checkbox.
4. In the **Select Action** drop-down list, under **Change Collection State**, select *Disabled (recursive)*.
5. Go to the **Device Manager** page (Registry > Devices > Device Manager) and select all of the disabled Prism Element devices. In the **Select Action** drop-down list, under **Administration**, select *DELETE Selected Devices*. This will delete all of the devices except the root device.
6. Once those devices are removed, in the **Device Manager** page (Registry > Devices > Device Manager) select the root Prism Element device. In the **Select Action** drop-down list, under **Administration**, select *DELETE Selected Devices*.
7. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Find the version of the *Nutanix: Base Pack* PowerPack you are currently on and select its checkbox. Click the **[Actions]** menu and choose *Delete PowerPack(s)*.
8. Download version 103 of the *Nutanix: Base Pack* PowerPack from the Customer Portal to a local computer.
9. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. Import the *Nutanix: Base Pack* version 103 PowerPack. For details on importing PowerPacks, see the chapter on *Installing a PowerPack* in the **PowerPacks** manual.
10. Click the **[Install]** button. For details on installing PowerPacks, see the chapter on *Installing a PowerPack* in the **PowerPacks** manual.
11. Discover your Prism Central device. After discovery, all Prism Element devices that are a part of Prism Central will appear as component devices under the root device.
12. See the manual **Monitoring Nutanix** for instructions on using the PowerPack.

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## Features

*Nutanix: Base Pack* PowerPack version 103 includes the following features:

- Dynamic Applications that discover and collect configuration and performance data for Nutanix devices
- Event Policies and corresponding alerts that are triggered when Nutanix devices meet certain status criteria
- Device Classes for each type of Nutanix device monitored
- A sample Credential for discovering Nutanix devices
- Dashboards that display information about Nutanix instances and component devices
- A Run Book Action and an Automation policy to assign the proper device class to the root device

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## Enhancements and Issues Addressed

The following enhancements and addressed issues are included in version 103 of the *Nutanix: Base PackPowerPack*:

- Support was added for Prism Central devices with multiple Prism Element clusters. New Dynamic Applications, Event Policies, Run Book Actions, Run Book Automation Policies, a Device Category, and Device Class for Prism Central have been added.
- The Prism Central device class category was added to the PowerPack.
- The "Nutanix: Disk Configuration" Dynamic Application was updated to include alerts to indicate when the disk is in an online or offline state.
- Alert messages about storage capacity were improved to be more detailed.
- The **Collector Affinity** field is now set to *Root device collector* by default in all Dynamic Applications in the PowerPack.
- Nutanix: Prism Elements Discovery Dynamic Application
- Several Dynamic Application names were updated to conform to our Content Standards. Some Event Policy names may have been changed slightly. Event Policies have been updated to include more detail in the description. Some Presentation objects were updated to include units and abbreviations.
- The "Nutanix: CVM I/O and Performance" Dynamic Application was updated to check the hypervisor type before sending a high memory threshold alert, to avoid erroneous memory utilization alerts for ESXi-based Nutanix systems.
- Two new alerts were added to the "Nutanix: CVM Configuration" Dynamic Application to indicate the Controller VM power state.
- The "Nutanix: Controller VM Discovery" Dynamic Application was updated to add the "Cluster UUID" collection object and a GUID component identifier.
- The "Nutanix: Host I/O and Performance" Dynamic Application was updated to add the "CPU Usage" collection object and alerts for CPU usage.
- Event policies in the PowerPack were updated so the event expiry meets content standards.
- The "Nutanix: Collection Cache" Dynamic Application was updated to use the correct CVM memory usage cache object and to address an issue that was causing divide-by-zero errors during collection.
- The "CPU Utilization" collection and presentation objects have been removed from the "Nutanix: VM I/O and Performance" and "Nutanix: CVM I/O and Performance" Dynamic Applications because they were reporting incorrect data.

- The "Nutanix: Node Config: CVM" snippet was removed from the "Nutanix: Host Configuration" Dynamic Application.
- An issue was addressed in which VMware vCenters were being reclassified as Nutanix devices during nightly discovery.
- The following Dynamic Applications were updated to address an issue in which the events log did not contain a list of active events:
  - Nutanix: CVM Events
  - Nutanix: Disk Events
  - Nutanix: Host Events
  - Nutanix: Storage Container Events
  - Nutanix: Storage Pool Events
  - Nutanix: VM Events

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## Known Issues

The following known issues affect version 103 of the *Nutanix: Base Pack* PowerPack:

- When discovering a Prism Central that contains Prism Element devices that have been previously discovered and user-disabled, after the Prism Element devices have been moved to the new Prism Central device tree, the Prism Element devices will need to be re-enabled in order for normal Dynamic Application alignment and data collection to proceed.
- Dynamic Application auto-alignment may take as long as 30 minutes to complete.
- When discovering Prism Element and Prism Central devices, do not include both types of devices in the IP list for discovery, as the DCM tree will not fully build out and will be missing component devices. It is recommended that the user either discover individual Prism Element clusters, or discover a Prism Central device with multiple Prism Element clusters.
- When upgrading the PowerPack from a version earlier than version 101, duplicate virtual devices may be created in your Dynamic Component Map (DCM) when upgrading the PowerPack. This is due to the change to the unique ID and SL1 recognizing it as a new device.

To remove the old devices from the DCM, set the **Component Vanish Timeout** field (in either the **Global Threshold Settings** page [System > Settings > Thresholds > System], the **Device Thresholds** page for the component device [Registry > Devices > Device Manager > wrench icon > Thresholds], or the **Device Thresholds** page for a device higher in the component tree) on the DCM tree so that the old virtual devices get moved out of the DCM and only the newly discovered devices remain.

If you do not need to retain the old devices for historical data purposes, then the **Component Purge Timeout** field (in either the **Global Threshold Settings** page [System > Settings > Thresholds], the **Device Thresholds** page for the component device [Registry > Devices > Device Manager > wrench icon > Thresholds], or the **Device Thresholds** page for a device higher in the component tree) can be used to eventually remove those devices completely from the system.



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