



Linux Base Pack PowerPack Release Notes

Version 102

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Overview

Version 102 of the *Linux Base Pack* PowerPack adds the ability to automatically create device relationships between Linux Servers and devices from AppDynamics, Dynatrace, and New Relic. Version 102 also includes updates to several Dynamic Applications and the Run Book Action included in the PowerPack.

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

This document describes:

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

Before You Install or Upgrade

Ensure that you are running version 8.7.0 or later of the ScienceLogic platform before installing the *Linux Base Pack* PowerPack version 102.

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

Installing or Upgrading Linux Base Pack PowerPack version 102

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 *Linux 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 *Linux 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 8.7.0 or later release.
2. Familiarize yourself with the [Known Issues](#) for this release.
3. Download version 102 of the *Linux 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 102 of the *Linux 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 Linux and Solaris* for instructions on using the PowerPack.

Features

Linux Base Pack PowerPack version 102 includes the following features:

- Dynamic Applications that discover and collect configuration and performance data for Linux systems
- Event Policies and corresponding alerts that are triggered when Linux systems meet certain status criteria
- Device Classes for each type of Linux system monitored
- A Run Book Action and an Automation policy to assign the proper device classes to Linux systems

Enhancements and Issues Addressed

The following enhancements and addressed issues are included in version 102 of the *Linux Base Pack* PowerPack:

- The "Linux: System Config" Dynamic Application was updated to create dynamic component map relationships between the following component devices:
 - Linux Servers and Dynatrace Hosts
 - Linux Servers and Cisco AppDynamics Nodes
 - Linux Servers and New Relic Servers
- The "Linux Classification and Automation" Run Book Action was updated to take device precedence into account, to ensure that the Run Book Action is triggered when a new Device Class is discovered that has a higher weight than an existing Device Class.
- The "Linux: Configuration Cache" and "Linux: Performance Cache" Dynamic Applications were updated to adjust the "Sleep" function value to prevent SIGTERM termination signals during collection.
- The "Linux: CPU Stats" Dynamic Application was updated to change the collected metrics to Performance Counter Collection Objects and the CPU calculations to Presentation Objects.
- A duplicate "Generic Linux" Device Class was removed from the PowerPack.

- An issue was addressed that was preventing the "Linux: Configuration Cache" Dynamic Application from auto-aligning on SL1 versions 8.9.0 and above.
- An issue was addressed that was causing the PowerPack's Dynamic Applications to align to non-Linux devices.

Known Issues

The following known issues affect version 102 of the *Linux Base Pack* PowerPack:

- An issue with the "Cisco: CSP 2100 CLI Alignment" Dynamic Application is causing Dynamic Application alignment to fail for versions 101 and 102 of the *Linux Base Pack* PowerPack when installed on SL1 versions 8.9.0 and greater. To work around this issue, disable the "Cisco: CSP 2100 CLI Alignment" Dynamic Application.
- To discover Linux devices, the *Linux Base Pack* PowerPack uses an API call to align Dynamic Applications from the PowerPack to the devices. The API call length can cause API queries to back up and time out when attempting to discover multiple devices. As a workaround, ScienceLogic recommends leveraging SQL queries to align these Dynamic Applications.
- A collection exception appears in the device log if a device's hostname is not properly set.
- Some of the Dynamic Applications in version 102 of the *Linux Base Pack* PowerPack use the Paramiko library for SSH connections. This library is not Federal Information Processing Standards (FIPS)-compliant. Therefore, the *Linux Base Pack* PowerPack will not work on FIPS-compliant systems.

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800-SCI-LOGIC (1-800-724-5644)

International: +1-703-354-1010