



Docker PowerPack Release Notes

Version 101

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Overview

Version 101 of the *Docker PowerPack* includes several new and updated Dynamic Applications, as well as new device dashboards for Docker component devices.

- **Minimum Required Platform Version:** 8.1.0
- **Support Status:** Beta

This document describes:

- [Pre-install or pre-upgrade information](#)
- [The installation and upgrade process for the PowerPack](#)
- [The features included in version 101](#)
- [The enhancements and issues addressed in version 101](#)

Before You Install or Upgrade

Before installing or upgrading the *Docker PowerPack* version 101, ensure that you are running version 8.1.0 or later of the ScienceLogic platform.

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

You must also enable the Docker API. For instructions, see the *Monitoring Docker* manual.

Installation or Upgrade Process

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 PowerPack from overwriting local changes for some commonly customized fields.

NOTE: If you are currently using the Dynamic Applications in the *Docker 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 the *Docker* PowerPack for the first time or to upgrade from a previous version:

1. See the [Before You Install](#) section. If you have not done so already, upgrade your system to the 8.1.0 or later release.
2. Download version 101 of the *Docker* 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 101 of the PowerPack.
4. After importing the PowerPack, you will be prompted to install the PowerPack. Click the **Install** button to install the PowerPack.

Included Features

Docker PowerPack version 101 includes the following features:

- Dynamic Applications that discover and collect data from Docker component devices
- Device Classes for each type of Docker component device monitored
- Event policies that are triggered when Docker devices meet certain status criteria
- Run Book Actions and Policies that automate some aspects of the device discovery and creation process
- An example Basic/Snippet credential for discovering Docker devices
- Device Dashboards that display information about Docker component devices

Enhancements and Issues Addressed

The following enhancements and addressed issues are included in version 101 of the *Docker* PowerPack:

- A new "Docker: Network Overlay Configuration" Dynamic Application was added. This Dynamic Application lists the overlay networks used by Docker service components.
- A new "Docker: Image Performance" Dynamic Application was added. This Dynamic Application collects and displays statistics about Docker images.
- The following Dynamic Applications were updated to collect additional metrics:
 - Docker: Container Performance
 - Docker: Service Performance
 - Docker: Stack Performance
 - Docker: Swarm Performance
- The performance Dynamic Applications were updated to ensure that performance metrics have the same values for both gauges and counters.
- Device Dashboards for Hosts, Containers, Swarms, Stacks, and Services were added to the PowerPack.
- An issue was addressed that was causing the "Docker: Swarm Performance" Dynamic Application to count duplicate host images as though they were unique images.

- An issue was addressed that was causing the "Docker: Network Configuration" Dynamic Application to display incorrect IPAM information in the configuration report.

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