



Docker PowerPack Release Notes

Version 102

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Overview

Version 102 of the *Docker PowerPack* introduces the ability to integrate with the *Kubernetes PowerPack*. This update includes a new example SSH/Key Credential and device relationships, as well as updates to several Dynamic Applications.

- **Minimum Required Platform Version:** 8.7.1.2
- **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 102](#)
- [The enhancements and issues addressed in version 102](#)

Before You Install or Upgrade

Before installing or upgrading the *Docker PowerPack* version 102, ensure that you are running version 8.7.1.2 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 8.7.1.2 or later release.
2. Download version 102 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 102 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 102 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 and an example SSH/Key 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 102 of the *Docker* PowerPack:

- The *Docker* PowerPack was updated to integrate with the Kubernetes PowerPack.
- The ability to support SSH connections and get information using the following cURL commands was added to the PowerPack:
 - `curl --unix-socket /var/run/docker.sock http://docker/containers/json`
 - `curl --unix-socket /var/run/docker.sock http://docker/containers/{container_id}/json`
 - `curl --unix-socket /var/run/docker.sock http://docker/containers/{container_id}/stats?stream=0`

This update enables the Dynamic Applications in the PowerPack to align with Kubernetes nodes.

NOTE: To use this feature, you must install cURL 7.40 or greater on all Docker hosts that you want to monitor, prior to discovery.

NOTE: Version 102 does not support the ability to monitor swarms using SSH.

- A new example SSH/Key Credential was added to the PowerPack.

NOTE: For information about editing the SSH/Key credential for use, see the *Monitoring Docker* manual.

- Device relationships were added for Docker containers and their related Kubernetes controllers.
- The "Docker: Host Performance", "Docker: Containers Performance", "Docker: Image Performance", and "Docker: Container Interface Performance" Dynamic Applications were updated to ensure that they could properly align with and collect data for the appropriate devices.

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