Docker PowerPack Release Notes

Version 107

Overview

Version 107 of the *Docker* PowerPack includes updates in the packages, a new execution environment, and compatibility with the latest SL1 releases.

- **Minimum Required SL1 Version**: 8.14.1

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Before You Install or Upgrade

Ensure that you are running version 8.14.1 or later of SL1 before installing "Docker" PowerPack version 107.

NOTE: For details on upgrading SL1, see the relevant ***SL1 Platform Release Notes***.

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

Installation or Upgrade Process

To install version 107 of the *Docker* PowerPack, perform the following steps:

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 this 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 this PowerPack:

1. Familiarize yourself with the ***Known Issues*** for this release.
2. See the ***Before You Install or Upgrade*** section. If you have not done so already, upgrade your system to the 8.14.1 or later release.
3. Download the "Docker" version 107 PowerPack from the Support Site 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 "Docker" version 107.
5. Click the **[Install]** button. For details on installing PowerPacks, see the chapter on *Installing a PowerPack* in the ***PowerPacks*** manual.

Features

This release 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 this release of the "Docker" PowerPack:

- Updated the PowerPack to be compatible with Aurora 3 / MySQL 8 and SL1 version 12.2.0 and later. (SOL-26820)
- Updated silo_apps package to ensure compatibility with the latest SL1 releases. (SOL-26822) (Case: 00425554)

Known Issues

The following known issues affect version 107 of the *Docker* PowerPack:

- This PowerPack is incompatible with version 105 of the Kubernetes PowerPack.
- The "Docker: Container Performance" Dynamic Application getting more than 100% of CPU usage is an expected Docker behavior. SL1 will report CPU usage peaks just as it reports it on the Docker CLI. CPU usage can exceed 100% depending on the number of cores the container has: for example, two CPUs can report numbers up to 200%, three CPUs can report up to 300%, and so on.
- If a discovered device is reporting the "Device Failed Availability Check: UDP/SNMP check requested but invalid or no credential was specified" message, ensure that the ***Availability Port*** field in the **Device Properties** page (Devices> Device Manager > wrench icon) is configured as *ICMP/ICMP*.

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