NetApp Base Pack PowerPack Release Notes

Version 105

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Overview

Version 105 of the *NetApp Base Pack* PowerPack addresses an issue in which library version conflicts could cause Sciencelogic libraries in the PowerPack to become corrupted.

- **Minimum Required Platform Version**: 8.7.0
- **Support Status**: GA
- **Minimum Required NetApp Version**: 8.2.2

This document describes:

- *Pre-install or pre-upgrade information*
- *The installation and upgrade process for the PowerPack*
- *The features included in version 105*
- *The enhancements and issues addressed in version 105*
- *The known issues that affect version 105*

Before You Install or Upgrade

Ensure that you are running version 8.7.0 or later of SL1 before installing the *NetApp Base Pack* PowerPack version 105.

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

Installing or Upgrading to NetApp Base Pack PowerPack version 105

To install the *NetApp Base Pack* PowerPack for the first time or to upgrade from a previous version, 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 the *NetApp 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.

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 8.7.0 or later release.
3. Download version 105 of the *NetApp 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 105 of the *NetApp 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. To align the new Dynamic Applications, rediscover the existing NetApp nodes and clusters. For details on discovering NetApp devices, see the manual ***Monitoring NetApp Appliances***.

Features

NetApp Base Pack PowerPack version 105 includes the following features:

- Dynamic Applications that can monitor performance metrics and collect configuration data for all NetApp devices
- Device classes for each of the NetApp component devices monitored
- Event policies and corresponding alerts that are triggered when NetApp component devices meet certain status criteria
- Sample credentials for discovering NetApp component devices
- A device dashboard that displays information about NetApp clusters

Enhancements and Issues Addressed

The following addressed issue is included in version 105 of the *NetApp Base Pack* PowerPack:

- This version addresses an issue in which library version conflicts could cause the Sciencelogic libraries in this PowerPack to become corrupted. In this case, deployment of the PowerPack and subsequent collection would fail.

Known Issues

The following known issue affects version 105 of the *NetApp Base Pack* PowerPack:

- Due to increased security restrictions on Military Unique Deployment (MUD) systems, users might see unexpected behavior when attempting to discover and collect data from a NetApp system. The symptoms include a failure to auto-align Dynamic Applications during discovery and SSL errors during collection after manual alignment. These errors would look like the following:

  ```
  "2019-04-09 17:32:35,941","UIDEBUG","14179","discover_
  apps.MainProcess.14153","dynamic_snippet","378","App: 1012, Snippet: 1180 reported
  a collection problem (Explanation: [644] netapp_api: [SSL: ONLY_TLS_ALLOWED_IN_
  FIPS_MODE] only tls allowed in fips mode (_ssl.c:618) )"
  ```

  The *NetApp Base Pack* PowerPack defaults to using SSL (port 443) for connections to the NetApp storage devices. However, Federal Information Processing Standard (FIPS)-compliant systems require TLS for security. If SL1 is running in FIPS-compliant mode, the user will need to either:

  - Set the port to 80 in the credential, which directs the PowerPack to use HTTP for connections.

  OR

  - Enable TLS in the credential. See the "NetApp w/SSL/TLS Option" credential that is included in the *NetApp Base Pack* PowerPack as an example.

NOTE: If TLS is required for the discovery of a 7-mode NetApp system, the example credential provided will need to be replaced by a SOAP/XML credential, as is used for a C-mode system discovery. In that case, the ***Embed Value [%1]*** field should be set to *True* and the TLS version should be entered in ***Embed Value [%2]***, as directed in the ***Monitoring NetApp Appliances*** manual.

- A Content Libraries import error is present in SL1 version 8.8.0. If you encounter this error, upgrade SL1 to version 8.8.1.1 Build 6 or later.

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