
Network Connectivity PowerPack

Release Notes, version 102

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Overview

Version 102 of the *Network Connectivity PowerPack* adds a new Port Scan action type and automations. This version also removes the built-in output formatting from the ping, traceroute, and nslookup action types. This is replaced by support for the formatting actions in the *Datacenter Automation Utilities PowerPack*. This release also fixes several defects. This is the first GA version of this PowerPack.

NOTE: Version 100 was the last version of this PowerPack that was released. Version 101 was an internal-only version that was not made available to customers.

- **Minimum Required Platform Version:** 8.10.0
- **Support Status:** GA

This document describes:

- [Pre-installation information](#)
- [The installation process for the PowerPack](#)
- [The features included in version 102](#)

Before You Install

Ensure that you are running version 8.10.0 or later of SL1 before installing the *Network Connectivity PowerPack* version 102.

CAUTION: You must install version 101 of the *Datacenter Automation Utilities PowerPack* before proceeding.

NOTE: For details on upgrading SL1, see the appropriate ScienceLogic [Release Notes](#).

Installation Process

To install version 102 of the *Network Connectivity PowerPack*:

1. See the [Before You Install](#) section. If you have not done so already, upgrade your system to the 8.10.0 or later release.
2. Download the *Network Connectivity* version 102 PowerPack to a local computer.
4. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. Import the *Network Connectivity* version 102 PowerPack. For details on importing

PowerPacks, see the chapter on *Installing a PowerPack* in the **PowerPacks** manual.

5. Click the **[Install]** button. For details on installing PowerPacks, see the chapter on *Installing a PowerPack* in the **PowerPacks** manual.
6. See the **Network Connectivity PowerPack** manual for instructions on using the new PowerPack.

Features

The *Network Connectivity* PowerPack enriches SL1 network connectivity events, such as availability and latency issues, by automatically running common network diagnostic commands and adding the output to the SL1 event log or an associated incident. The diagnostic commands include IPv4 or IPv6 versions of ping, traceroute, nmap, and nslookup.

Enhancements and Issues Addressed

The following features are included in version 102 of the *Network Connectivity* PowerPack:

- The PowerPack now includes support for automations that run port scans. This includes the following content:
 - A new action type, "Run NMAP". (NTA-35)
 - Three new automation actions that run NMAP commands. (NTA-36)
 - Three new automation policies that run the new automation actions when common network connectivity events occur. (NTA-37)
- The output from the Run Ping, Run Traceroute, and Run Nslookup action types now includes the command that was executed. (NTA-18)
- The *Network Connectivity* PowerPack now follows the model of other automation PowerPacks, such as *Linux SSH Automation* or *Windows PowerShell Automation*, by separating the data collection and formatting into two separate actions instead of a single action. This includes the following changes:
 - The `output_format` parameter has been removed from the Run Ping, Run Traceroute, and Run Nslookup action types. The PowerPack includes two new versions of these action types: (NTA-26, NTA-27, NTA-28)
 - Version 1.0. This is the new version supplied in version 102 of this PowerPack. This version does not support the `output_type` parameter.
 - Version 0.9. This is the previous version supplied in version 100 of this PowerPack. This version is no longer included in the PowerPack and is no longer supported by ScienceLogic. Automation actions created using this version will continue to work after version 102 of the PowerPack is installed. However, ScienceLogic recommends updating your automation actions to version 1.0 and including one of the formatting actions in the associated automation policies.
 - The "HTML Output" automation actions have been updated to use version 1.0 of the related action type. These automation actions have been renamed to indicate they no longer include output formatting. (NTA-29)

- All automation policies in the PowerPack have been updated to include the HTML formatting automation action from the *Datacenter Automation Utilities* PowerPack. (NTA-30)
- The "Plaintext Output" automation actions have been removed from the PowerPack. The same functionality is now provided by combining one of the remaining automation actions with the Plaintext formatting automation action from the *Datacenter Automation Utilities* PowerPack. (NTA-31)
- The Run Ping, Run Traceroute, and Run Nslookup action types can now be used with the "Calculate Memory Size for Each Action" automation action from the *Datacenter Automation Utilities* PowerPack to include multiple collection actions in the same automation policy. (NTA-39, NTA-40, NTA-41)
- Additional debug logging has been added to the Run Ping, Run Traceroute, and Run Nslookup action types. (NTA-16)

The following issues are addressed in this version of the PowerPack:

- All automation actions in the PowerPack are now correctly configured to run on Data Collectors. (NTA-20)
- Addressed an issue in which an unhandled exception occurred when substitution characters were used in the Run Ping, Run Traceroute, and Run Nslookup action types. (NTA-22)
- Addressed an issue that caused erroneous text to appear in the output of some ping commands. (NTA-47)

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