



CLI: Toolkit PowerPack Release Notes

Version 100

Overview

Version 100 of the CLI: Toolkit PowerPack updates the PowerPack's framework feature-support, execution environment, Dynamic Applications, and associated snippets to the latest Python version (3.6).

- **Minimum Required Platform Version:** 11.3.0

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Before You Install

Ensure that you are running version 11.3.0 or later of SL1 before installing the CLI: Toolkit PowerPack version 100.

Installing the PowerPack

To install the CLI: Toolkit PowerPack for the first time, 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 *CLI: Toolkit 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. See the [Before You Install or Upgrade](#) section. If you have not done so already, upgrade your system to 11.3.0 or later release.
2. Download version 100 of the CLI: Toolkit PowerPack from the Support Site to a local computer.
3. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and select *Import PowerPack*. When prompted, import version 100 of the CLI: Toolkit PowerPack.

4. After importing the PowerPack, you will be prompted to install the PowerPack. Click the **[Install]** button to install the PowerPack.

Features

The CLI: Toolkit PowerPack version 100 includes the following features:

- A Dynamic Application that enables SL1 to discover, model, and monitor CLI: Toolkit devices (including Agent devices).
- A sample SSH/Key that you can use to create your own credential.

Enhancements and Issues Addressed

The following enhancements and addressed issues are included in version 100 of the CLI: Toolkit PowerPack:

- Updated the Dynamic Applications and their associated snippets to use the latest version of the aligned libraries.
- Introduced a new framework enhancement for user-defined caching and added `low_code` syntax version 2/universal pipeline support.
- Updated the `silos_apps`, `silos_low_code`, `silos_low_code_steps_cli`, and `silos_low_code_steps_ssh` libraries to the new Python 3-only Execution Environment (v100). Meaning, the library versions for this PowerPack only support version 3.6.
- Added asterisks (*) to mask sensitive credential fields for improved security. Upon login, credential fields (i.e. username and password) are now replaced with five asterisks.
- The Snippet Framework only writes to the logs if you are running within Dynamic Single, UI Debug, or Log Policies. Filesystem logs will only be written if there is a log policy and you are not within Dynamic Single or UI Debug.

TIP: Full documentation, including the agent-specific steps for the CLI: Toolkit, is provided at the following location: <https://docs.sciencelogic.com/dev-docs/>

Known Limitations

The following agent limitations are present in version 100 of the CLI: Toolkit PowerPack:

- Absent Snippet or Execution Environment support for CLI dynamic application execution. No support leaves Agent users unable to create custom steps.
- Agent users can only use one requester step. The Dependent Collection feature is not available for Agents.
- There are non-traditional debug capabilities associated. Meaning, Agent users can't use targeted log policies to debug code.
- Log outputs are not reflected in the log files; they are only captured in the Kubernetes console.

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ScienceLogic

800-SCI-LOGIC (1-800-724-5644)

International: +1-703-354-1010