



SL1: Concurrent PowerShell Monitoring PowerPack Release Notes

Version 103

Overview

Version 103 of the *SL1: Concurrent PowerShell Monitoring* PowerPack includes an update to the **silos_apps** library and adds support for Military Unique Development (MUD) environments.

- **Minimum Required SL1 Version:** 10.1.4

Before You Install or Upgrade

Ensure that you are running version 10.1.4 or later of SL1 before installing *SL1: Concurrent PowerShell Monitoring* version 103.

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

Installation or Upgrade Process

To install version 103 of the *SL1: Concurrent PowerShell Monitoring* 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 10.1.4 or later release.
3. Download the "SL1: Concurrent PowerShell Monitoring" version 103 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 "SL1: Concurrent PowerShell Monitoring" version 103.
5. Click the **[Install]** button. For details on installing PowerPacks, see the chapter on *Installing a PowerPack* in the **PowerPacks** manual.

See the manual *Monitoring Windows Systems with PowerShell* for instructions on using the PowerPack.

Features

Version 103 of the *SL1: Concurrent PowerShell Monitoring* PowerPack includes the following features:

- Two Dynamic Applications for monitoring the concurrent PowerShell service:
 - **ScienceLogic: PowerShell Collector Performance**. Collects Prometheus performance metrics from the service container
 - **ScienceLogic: PowerShell Service Log Parser**. Monitors the service log and raises major events on devices when errors are found containing device IDs
- A device template to automatically align the "ScienceLogic: PowerShell Service Log Parser" Dynamic Application to multiple Data Collectors
- Event policies and corresponding alerts that are triggered when devices meet certain status criteria

Enhancements and Issues Addressed

The following enhancements and addressed issues are included in version 103 of the *SL1: Concurrent PowerShell Monitoring* PowerPack:

- Updated the **silos_apps** library in this PowerPack to version 3.1.4 to support SL1 version 11.2.0 or later. [SOL-18131](#)
- Support for Military Unique Development (MUD) systems was added to the PowerPack. [SOL-18633](#)

Known Issues

The following known issues affect version 103 of the *SL1: Concurrent PowerShell Monitoring PowerPack*:

- The "ScienceLogic: PowerShell Collector Performance" and "ScienceLogic: PowerShell Service Log Parser" Dynamic Applications do not support data collection using PEM keys when a passphrase is used to encrypt the key. ([SOL-16448](#))
- The "ScienceLogic: PowerShell Collector Performance" Dynamic Application cannot connect over SSH to SL1 version 11.1.0. If you are on SL1 version 11.1.0, you will need to enable the Prometheus client on the Data Collector on which you want to enable multi-process mode. To do this, add the property `ENABLE_PROMETHEUS_CLIENT=True` to the `/opt/em7/services/powershell_collector/powershell_collector.env` file.

Once the Prometheus client is enabled, the URL `HTTP[S]://localhost:8084/metrics` is enabled (HTTP or HTTPS depending on the `USE_HTTPS` setting in the config file). Once the Prometheus client is enabled, restart the PowerShell collector using the `sudo systemctl restart powershell_collector`. ([SOL-14648](#))

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