



Low-code Tools PowerPack

Version 104

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Chapter

1

Low-code Tools PowerPack

Overview

This manual describes how to use the "Low-code Tools" PowerPack.

The "Low-code Tools" PowerPack is part of the SL1 Studio suite of tools. For more information, see <https://support.sciencelogic.com/s/sl1-studio>.

This chapter covers the following topics:

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What is the Low-code Tools PowerPack?

The "Low-code Tools" PowerPack provides the Snippet Framework, which is the standard way to write Dynamic Applications using Snippet Arguments to define what information to collect, how to collect it, where to get the data, and how to interpret it. This process is Snippet Argument driven, meaning that you direct the Snippet Framework using Snippet Arguments in a Dynamic Application.

The "Low-code Tools" PowerPack is a single, consolidated version of the "CLI: Toolkit", "Prometheus: Toolkit", and "REST: Toolkit" PowerPacks. You can perform all of the same functions in the "Low-code Tools" PowerPack as you would in any other PowerPacks toolkits. This PowerPack contains REST, CLI and Prometheus tools for building Dynamic Applications.

What Does the Low-code Tools PowerPack Include?

The "Low-code Tools" PowerPack provides a single comprehensive toolkit with specialized steps for simplified monitoring and data collection. This unified toolkit enables users to build monitoring solutions across multiple protocols with minimal coding requirements.

The "Low-code Tools" PowerPack includes the following features:

- One unified toolkit with multiple specialized step modules:
 - Core functionality (silo_low_code)
 - Standard steps (silo_low_code_steps_standard)
 - Protocol-specific steps for REST, CLI, SSH, SNMP, Prometheus, JMX, WinRM
- Example application and templates:
 - Self-monitoring Dynamic Applications for SL1 systems, which enables discovery, modeling, and monitoring of SL1 environments
 - PromQL Development Examples:
 - Ready-to-use templates for Prometheus metric collection
 - Example queries and configurations for common monitoring scenarios
 - REST API Collection Examples
 - Sample applications for configuration and performance data collection
- Support for the following authentication methods:
 - REST/Prometheus: API Key, Basic Auth, Bearer Token , and OAuth2
 - CLI: SSH
 - PowerShell/WinRM: Local Auth and Kerberos
- Dynamic Applications that enable SL1 to discover, model, and monitor an SL1 system on which you can create, and experiment with the snippet Dynamic Applications that you build.

Installing the Low-code Tools PowerPack

Before you can use the Snippet Framework, you must import and install the latest version of the "Low-code Tools" PowerPack.

To download and install a PowerPack:

1. Download the PowerPack from the [ScienceLogic Support Site](#).
2. Go to the **PowerPack Manager** page (System > Manage > PowerPacks).
3. In the **PowerPack Manager** page, click the **[Actions]** button, then select *Import PowerPack*.
4. The **Import PowerPack** dialog box appears.
5. Click the **[Browse]** button and navigate to the PowerPack file.
6. When the **PowerPack Installer** modal appears, click the **[Install]** button to install the PowerPack.

NOTE: If you exit the **PowerPack Installer** without installing the imported PowerPack, the imported PowerPack will not appear in the **PowerPack Manager** page. However, the imported PowerPack will appear in the **Imported PowerPacks** page. This page appears when you click the **[Actions]** menu and select *Install PowerPack*.

Documentation for the Low-code Tools PowerPack

Full documentation for the "Low-code Tools" PowerPack is provided at the following location:

<https://docs.sciencelogic.com/dev-docs>

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