



Using the Low-code Tools PowerPack

Low-code Tools PowerPack version 105

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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 Skylar One Studio suite of tools. For more information, see <https://support.sciencelogic.com/s/skylar-one/skylar-one-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 driven by Snippet Arguments, which means 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.

NOTE: ScienceLogic recommends the "Low-code Tools" PowerPack for all new Snippet Framework development. It replaces the individual "CLI: Toolkit", "Prometheus: Toolkit", and "REST: Toolkit" PowerPacks, which are maintained only as legacy references. If you have existing Dynamic Applications built with any of the individual toolkits, you can continue to use them, but new development should use the "Low-code Tools" PowerPack.

NOTE: This PowerPack provides the Snippet Framework. For a full explanation of the framework and how to develop with it, including the collection pipeline, steps, and Snippet Arguments, see the [Snippet Framework](#) manual.

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, and PowerShell

- Example application and templates:
 - Self-monitoring Dynamic Applications for Skylar One systems, which enables discovery, modeling, and monitoring of Skylar One 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
- A "Low-code Tools: REST v105" credential for REST and Prometheus authentication configuration.
- A "Low-code Tools: SSH v105" credential that combines standard SSH and PowerShell authentication configuration.
- Support for the following authentication methods:
 - REST/Prometheus: API Key, Basic Auth, Bearer Token , and OAuth2
 - CLI: SSH
 - PowerShell/WinRM: Local Auth and Kerberos

NOTE: For more information about supported authentication methods, see the "Authentication" section of the latest **Low-code Tools Documentation** at <https://docs.sciencelogic.com/dev-docs/>.

- Dynamic Applications that enable Skylar One to discover, model, and monitor a Skylar One system on which you can create, and experiment with the snippet Dynamic Applications that you build.
- Health metrics that provide visibility into step execution during Dynamic Application collection.
- A metric reader step that retrieves the recorded metrics within a Dynamic Application.

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. Search for and download the PowerPack from the **PowerPacks** page at the [ScienceLogic Support Center](#) (Skylar One > PowerPacks, login required).
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 reference documentation for the "Low-code Tools" PowerPack, including the Snippet Framework, supported authentication methods, the complete list of available steps, custom step development, and advanced features such as logging, multi-step requests, troubleshooting, and performance, is provided at <https://docs.sciencelogic.com/dev-docs/>.

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