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# REST: Toolkit PowerPack Manual

Version 100

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# Chapter

# 1

## Introduction to the REST: Toolkit PowerPack

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### Overview

This manual describes how to use the REST: Toolkit PowerPack.

This chapter covers the following topics:

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### What is the Snippet Framework?

Snippet Dynamic Applications on SL1 provide a flexible and powerful way to solve common monitoring problems. With snippet Dynamic Applications, a developer can solve nearly any collection problem for a monitoring need, given enough time and code.

The low-code *Snippet Framework* builds on traditional snippet Dynamic Applications and lets you solve common monitoring problems quickly, while still providing for customization to let you address more complex problems.

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## What Does the REST: Toolkit PowerPack Include?

The Snippet Framework provides a standard way to write Dynamic Applications using snippet arguments to define what 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. Users can configure the "REST Snippet Framework" credential for REST Authentication configuration. Users can then identify authentication issues by using the credential's supported self-debug capabilities.

The *REST: Toolkit PowerPack* includes the following features:

- The `silow_low_code`, `silow_low_code_steps_rest`, and `silow_low_code_steps_standard` libraries.
- A REST-compatible execution environment.
- A list of required steps for REST Dynamic Application development.
- A template PowerPack implementation that demonstrates the use of the required steps.
- A "REST Snippet Framework" credential for REST authentication configuration.
- Support for these Credential authentication types: Basic, Bearer Token, API Key, and OAuth2.
- Framework support for user-defined caching, pagination, and dependent collections.

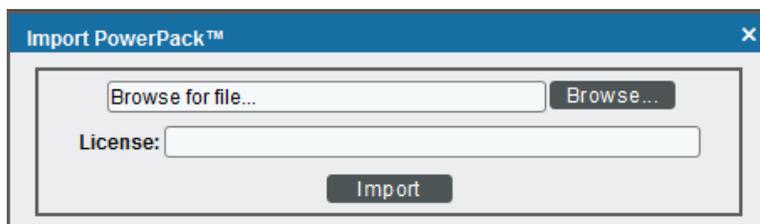
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## Installing the REST: Toolkit PowerPack

Before you can use the Snippet Framework, you must import and install the latest version of the REST: Toolkit 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*.

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## Documentation for the Snippet Framework

Full documentation for the Snippet Framework is provided at the following location:

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

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