



Base Steps SyncPack

Version 1.7.0

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Chapter

1

Introduction to the Base Steps SyncPack

Overview

The "Base Steps" SyncPack contains a default set of steps that are used in most other SyncPacks. You must install and activate this SyncPack before running other SyncPacks.

This SyncPack also includes the **Template App** application, which you can use as a template for creating Skylar Automation applications if you are a developer. For more information, see [Creating a Skylar Automation Application](#).

This SyncPack is included with the most recent release of the Skylar Automation Platform.

Starting with version 1.5.0 of the "Base Steps" SyncPack, the "QueryREST" has been deprecated. ScienceLogic recommends that you use REST steps included in version 1.5.0 instead: "GetREST", "PostREST", "DeleteREST", and "PutREST".

NOTE: You can download this SyncPack from the **SyncPacks** page on the [ScienceLogic Support Center](#) (Skylar Automation > SyncPacks).

This chapter covers the following topics:

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What Is the Base Steps SyncPack?

The "Base Steps" SyncPack contains the default set of steps used by most other SyncPacks. You must install and activate this SyncPack before you install and activate other SyncPacks that depend on it.

This SyncPack also includes the **Template App** application, which developers can use as a template for creating Skylar Automation applications.

Contents of the Base Steps SyncPack

This section lists the contents of the "Base Steps" SyncPack.

Skylar Automation Applications

- **Cache Skylar One Users.** This application performs a query for all existing users and writes them to a cache. You typically run this application before running a Skylar Automation application that syncs data between Skylar One and a third-party application like ServiceNow.
- **Template App.** A starting-point application that developers can use as a template for building new Skylar Automation applications. For more information, see [Creating a Skylar Automation Application](#).

Steps

The following steps are included in this SyncPack:

- `Cache Delete`. Deletes data from the cache using the specified key.
- `Cache Read`. Reads data from the cache using `save_key` and sets the returned data for the next step.
- `Cache Save`. Takes any input data and saves it to a cache with the specified key. The key the data was saved with is saved for the next step.
- `DeleteREST`. Facilitates REST DELETE interactions and returns the returned data dictionary and specified headers as data to the next step.
- `GetREST`. Facilitates REST GET interactions and returns the returned data dictionary and specified headers as data to the next step.
- `GraphQL Request`. Queries a remote GraphQL endpoint and retrieves the data.
- `Jinja Template Data Render`. Transforms the incoming data using a defined Jinja2 template.
- `MS-SQL Describe`. Executes a Microsoft SQL `SP_HELP` statement.
- `MS-SQL Insert`. Executes a Microsoft SQL `INSERT` statement.
- `MS-SQL Select`. Executes a Microsoft SQL `SELECT` statement.
- `MySQL Delete`. Executes a full MySQL `DELETE` statement and overrides the `data` parameter.
- `MySQL Describe`. Executes a MySQL `DESC` statement.

- `MySQL Insert`. Executes a MySQL `INSERT` statement.
- `MySQL Select`. Executes a MySQL `SELECT` statement.
- `PostREST`. Facilitates REST POST interactions and returns the returned data dictionary and specified headers as data to the next step.
- `PutREST`. Facilitates REST PUT interactions and returns the returned data dictionary and specified headers as data to the next step.
- `Query and Cache Skylar One User info`. Queries a Skylar One instance for all available users and saves the data to a cache with the specified Skylar One ID.
- `QueryRest: BearerAuth`. Makes a RESTful request to an endpoint using BearerAuth.
- `QueryRest: OAuth`. Makes a RESTful request to an endpoint using OAuth.
- `Run a command through an SSH tunnel`. SSHes into the provided system and executes a command.
- `Trigger Application`. Triggers any number of instances of the same application based on app variables or input data. If the step's `output_to` setting is configured, it waits until all triggered child applications complete before reporting success or failure; if not, it triggers the child applications and reports success or failure immediately.

NOTE: Starting with version 1.5.0 of the "Base Steps" SyncPack, the `QueryREST` step was deprecated. ScienceLogic recommends that you use the `GetREST`, `PostREST`, `PutREST`, and `DeleteREST` steps instead.

For more information about how to use steps to create a Skylar Automation application, see [Creating a Skylar Automation Application](#).

Chapter

2

Installing the Base Steps SyncPack

Overview

This chapter describes how to activate and install the "Base Steps" SyncPack, and how to download a newer version if one is available.

This chapter covers the following topics:

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Prerequisites for this SyncPack

This SyncPack has no additional prerequisites. It is included by default on the **SyncPacks** page when you install Skylar Automation.

Activating and Installing the SyncPack

The "Base Steps" SyncPack is added to the **SyncPacks** page by default, but you must activate and install it before other SyncPacks that depend on it can run.

To activate and install a SyncPack in the Skylar Automation user interface:

1. On the **SyncPacks** page of the Skylar Automation user interface, click the **[Actions]** button () for the SyncPack you want to install and select *Activate & Install*. The **Activate & Install SyncPack** modal appears.

NOTE: If you try to activate and install a SyncPack that is already activated and installed, you can choose to "force" installation across all the nodes in the Skylar Automation system.

TIP: If you do not see the SyncPack that you want to install, click the Filter icon () on the **SyncPacks** page and select *Toggle Inactive SyncPacks* to see a list of the imported PowerPacks.

2. Click **[Yes]** to confirm the activation and installation. When the SyncPack is activated, the **SyncPacks** page displays a green check mark icon () for that SyncPack. If the activation or installation failed, then a red exclamation mark icon () appears.
3. For more information about the activation and installation process, click the highlighted version in the **Installed SyncPack** column for that SyncPack. For a successful installation, the "Activate & Install SyncPack" application appears, and you can view the Step Log for the steps. For a failed installation, go to the hidden "activate & Install SyncPack" application on the **Applications** page and check the step logs.
4. If you have other versions of the same SyncPack on your Skylar Automation system, you can click the **[Actions]** button () for that SyncPack and select *Change active version* to activate a different version other than the version that is currently running.

Downloading a New Version of the SyncPack

NOTE: If you are installing or upgrading to the latest version of this SyncPack in an offline deployment, see [Installing or Upgrading in an Offline Environment](#) to ensure you install any external dependencies.

To locate and download the SyncPack:

1. Go to the ScienceLogic Support Center at <https://support.sciencelogic.com/s/>.
2. Go to the **SyncPacks** page (Skylar Automation > SyncPacks).
3. In the **Search** field, search for the SyncPack and select it from the search results. The **Release Version** page appears.
4. On the **[Files]** tab, click the down arrow next to the SyncPack version that you want to install, and select *Show File Details*. The **Release File Details** page appears.
5. Click the **[Download File]** button to download the SyncPack.

After you download the SyncPack, you can import it to your Skylar Automation system using the Skylar Automation user interface.

To import a SyncPack in the Skylar Automation user interface:

1. On the **SyncPacks** page (☺) of the Skylar Automation user interface, click **[Import SyncPack]**. The **Import SyncPack** page appears.
2. Click **[Browse]** and select the **.whl** file for the SyncPack you want to install. You can also drag and drop a **.whl** file to the **Import SyncPack** page.
3. Click **[Import]**. Skylar Automation registers and uploads the SyncPack. The SyncPack is added to the **SyncPacks** page.
4. You will need to activate and install the SyncPack in Skylar Automation. For more information, see the following topic.

NOTE: You cannot edit the content package in a SyncPack published by ScienceLogic. You must make a copy of a ScienceLogic SyncPack and save your changes to the new SyncPack to prevent overwriting any information in the original SyncPack when upgrading.

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