



Monitoring SL1 PowerFlow

SL1 PowerFlow PowerPack version 105

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Introduction to the SL1 PowerFlow PowerPack

Overview

This manual describes how to monitor SL1 PowerFlow in SL1 using the *SL1 PowerFlow* PowerPack.

NOTE: After the 2.1.0 platform release, the *Integration Service* was rebranded as *SL1 PowerFlow*, and the *Automation Builder* was rebranded as *SL1 PowerFlow builder*.

Use the following menu options to navigate the SL1 user interface:

- To view a pop-out list of menu options, click the menu icon (.
- To view a page containing all the menu options, click the Advanced menu icon (.

The following topics provide an overview of the *SL1 PowerFlow* PowerPack:

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What Does the SL1 PowerFlow PowerPack Monitor?

To monitor a PowerFlow instance with SL1, you must install the *PowerFlow* PowerPack. This PowerPack lets you configure SL1 to create an alert if a PowerFlow application fails.

The *PowerFlow* PowerPack includes:

- The "ScienceLogic: Integration Service Queue Configuration" Dynamic Application, which monitors the status of the PowerFlow RabbitMQ service
- The "ScienceLogic: Integration Service Workers" Dynamic Application, which monitors the status of the PowerFlow RabbitMQ workers
- The "REST: Performance Metrics Monitor" Dynamic Application, which monitors outgoing REST requests from SL1 to PowerFlow
- Event Policies and corresponding alerts that are triggered when an application in PowerFlow fails
- A Device Class for PowerFlow
- A Sample Credential for connecting to PowerFlow

Installing the SL1 PowerFlow PowerPack

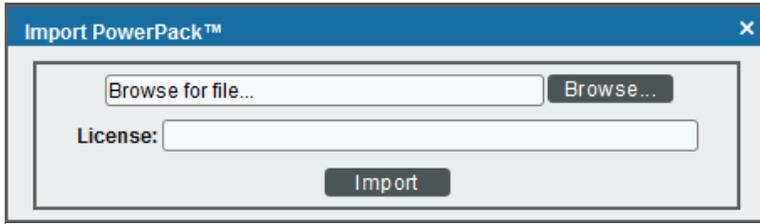
Before completing the steps in this section, you must import and install the latest version of the *SL1 PowerFlow* PowerPack.

TIP: By default, installing a new version of a PowerPack overwrites all content from a previous version of 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 new PowerPacks from overwriting local changes for some commonly customized fields. (For more information, see the **System Administration** manual.)

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** modal 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** modal. This page appears when you click the **[Actions]** menu and select *Install PowerPack*.

Configuring Monitoring for SL1 PowerFlow

Overview

The following sections describe how to configure and discover PowerFlow for monitoring by SL1 using the PowerFlow PowerPack:

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Creating a SOAP/XML Credential for PowerFlow

The *SL1 PowerFlow PowerPack* monitors the status of the applications in your PowerFlow system. Based on the events generated by this PowerPack, you can diagnose why applications failed on PowerFlow.

To configure SL1 to monitor PowerFlow, you must first create a SOAP/XML credential. This credential allows the Dynamic Applications in the *SL1 PowerFlow PowerPack* to communicate with PowerFlow.

The PowerPack includes an example SOAP/XML credential that you can edit for your own use.

To configure a SOAP/XML credential to access PowerFlow:

1. Go to the **Credential Management** page (System > Manage > Credentials).
2. Locate the **IS - Example** credential, and then click its wrench icon (🔧). The **Edit SOAP/XML Credential** modal page appears:

The screenshot shows the 'Edit SOAP/XML Credential #87' modal page. It features a blue header with 'New' and 'Reset' buttons. The main content is organized into four panels: 'Basic Settings' (Profile Name, Content Encoding, Method, HTTP Version, URL, HTTP Auth User, HTTP Auth Password, Timeout), 'Soap Options' (Embedded Password, Embed Value [%1]-%4), 'Proxy Settings' (Hostname/IP, Port, User, Password), and 'CURL Options' (a list of options and a central area). The 'HTTP Headers' panel includes an 'Add a header' button and a field for 'Content-Type: application/json'. 'Save' and 'Save As' buttons are at the bottom.

3. Complete the following fields, and keep the other fields at their default settings:
 - **Profile Name.** Type a name for the credential.
 - **URL.** Type the URL for your PowerFlow system.
 - **HTTP Auth User.** Type the PowerFlow administrator username.
 - **HTTP Auth Password.** Type the PowerFlow administrator password
 - **Timeout (seconds).** Type "20".
 - **Embed Value [%1].** Type "False".

4. Click the **[Save As]** button and close the **Credential Editor** modal page. You will use this new credential to manually align the Dynamic Applications in this PowerPack.

Aligning the PowerFlow PowerPack Dynamic Applications

Before you can run the Dynamic Applications in the *SL1 PowerFlow* PowerPack, you must manually align the Dynamic Application from this PowerPack to your PowerFlow device in SL1. These steps are covered in detail below.

Use the credential you just created to manually align the following Dynamic Applications:

- REST: Performance Metrics Monitor
- ScienceLogic: Integration Service Queue Configuration
- ScienceLogic: Integration Service Workers

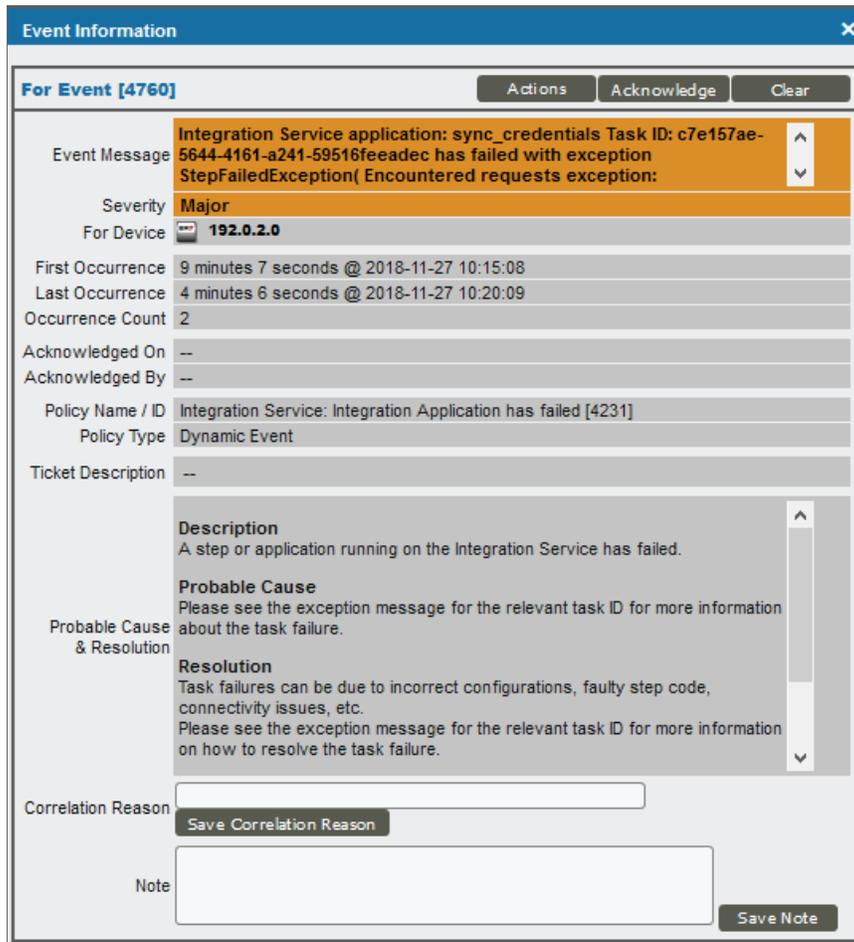
To align the Dynamic Applications in the PowerFlow PowerPack:

1. Go to the **Devices** page, select the device representing your PowerFlow server, and click the **[Collections]** tab.
2. Click **[Edit]**, click **[Align Dynamic App]**, and select *Choose Dynamic Application*. The **Choose Dynamic Application** window appears.
3. In the **Search** field, type the name of the first of the PowerFlow Dynamic Applications. Select the Dynamic Application and click **[Select]**.
4. Select *Choose Dynamic Application*. The **Choose Credential** window appears.
5. In the **Search** field, type the name of the credential you created in steps 2-4, select the new credential, and click **[Select]**. The **Align Dynamic Application** window appears.
6. Click **[Align Dynamic App]**. The Dynamic Application is added to the **[Collections]** tab.
7. Repeat steps 2-6 for each remaining Dynamic Application for this PowerPack, and click **[Save]** when you are done aligning Dynamic Applications.

Monitoring PowerFlow Applications

The *SL1 PowerFlow* PowerPack monitors the status of the PowerFlow applications in your PowerFlow system. Based on the events generated by this PowerPack, you can diagnose why applications failed on PowerFlow.

After you align the "ScienceLogic: Integration Service Queue Configuration" Dynamic Application in SL1, that Dynamic Application will generate a Major event in SL1 if an application fails in PowerFlow:



The related Event Policy includes the name of the application, the Task ID, and the traceback of the failure. You can use the application name to identify the application that failed on PowerFlow. You can use the Task ID to determine the exact execution of the application that failed, which you can then use for debugging purposes.

To view more information about the execution of an application in PowerFlow, navigate to the relevant page in PowerFlow by formatting the URL in the following manner:

```
https://<powerflow_hostname>/applications/<application_name>?runid=<task_id>
```

For example:

```
https://192.0.2.0/applications/sync_credentials?runid=c7e157ae-5644-4161-a241-59516feeadee
```

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