



Monitoring SL1 PowerFlow

SL1 Integration Service (PowerFlow) PowerPack version 105

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Chapter

1



Introduction to the SL1 Integration Service (PowerFlow) PowerPack

Overview

This manual describes how to monitor SL1 PowerFlow in SL1 using the *SL1 Integration Service 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 Integration Service PowerFlow* PowerPackPowerPack:

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What Does this PowerPack Monitor?

This PowerPack lets you configure SL1 to create an alert if a PowerFlow application fails.

The *SL1 Integration Service PowerFlow* PowerPack includes the following features:

- 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 PowerPack

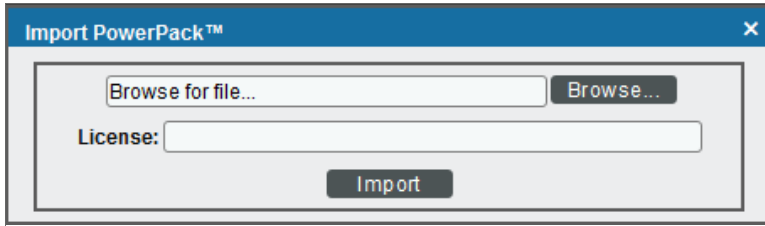
Before completing the steps in this section, you must import and install the latest version of the *SL1 Integration Service PowerFlow* PowerPack.

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*.

Chapter

2

Configuring Monitoring for SL1 PowerFlow

Overview

The following sections describe how to configure SL1 to monitor PowerFlow using the *SL1 Integration Service (PowerFlow)* PowerPack:

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Creating a SOAP/XML Credential for PowerFlow

The *SL1 Integration Service (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 this PowerPack to communicate with PowerFlow.

This 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 **Credentials** page (Manage > Credentials).
2. Search for and select the **IS - Example** SOAP/XML credential. The **Edit Credential** modal page appears:

The screenshot shows the 'Edit Credential' modal window. The main form has the following fields and values:

- Name: IS - Example
- Organizations: All Organizations (toggle is on)
- Timeout (ms): 20000
- Content Encoding: text/xml
- Method: POST
- HTTP Version: http/1.1
- URL: https://10.00.11.220
- HTTP Auth User: adminuser
- HTTP Auth Password: [masked]
- Proxy Hostname/IP: [empty]
- Proxy Port: 0
- Proxy User: [empty]
- Proxy Password: [masked]
- Embedded Password [%P]: [masked]
- Embed Value [%1]: False
- Embed Value [%2]: [empty]

The 'Credential Tester' panel on the right includes:

- Select Credential Test: [dropdown]
- Select Collector: CUG | sl1aio1: 10.128.68.26
- IP or Hostname to test*: [input field]
- Test Credential button

A 'Save & Close' button is located at the bottom right of the modal.

3. Complete the following fields, and keep the other fields at their default settings:
 - **Name**. Type a name for the credential.
 - **Organizations**. Select the organizations to which the credential will belong, or enable the **All Organizations** toggle to make the credential available to all organizations in SL1.
 - **Timeout (milliseconds)**. Type "20000" (20 seconds).
 - **URL**. Type the URL for your PowerFlow system.
 - **HTTP Auth User**. Type the PowerFlow administrator username.

- **HTTP Auth Password.** Type the PowerFlow administrator password
 - **Embed Value [%1].** Type "False".
4. Click the **[Save & Close]** button. You will use this new credential to manually align the Dynamic Applications in this PowerPack.

To configure a SOAP/XML credential to access PowerFlow using the classic user interface:

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:

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 Dynamic Applications in this PowerPack

Before you can run the Dynamic Applications in the *SL1 Integration Service (PowerFlow)* PowerPack, you must manually align the Dynamic Application from the PowerPack to your PowerFlow device in SL1.

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

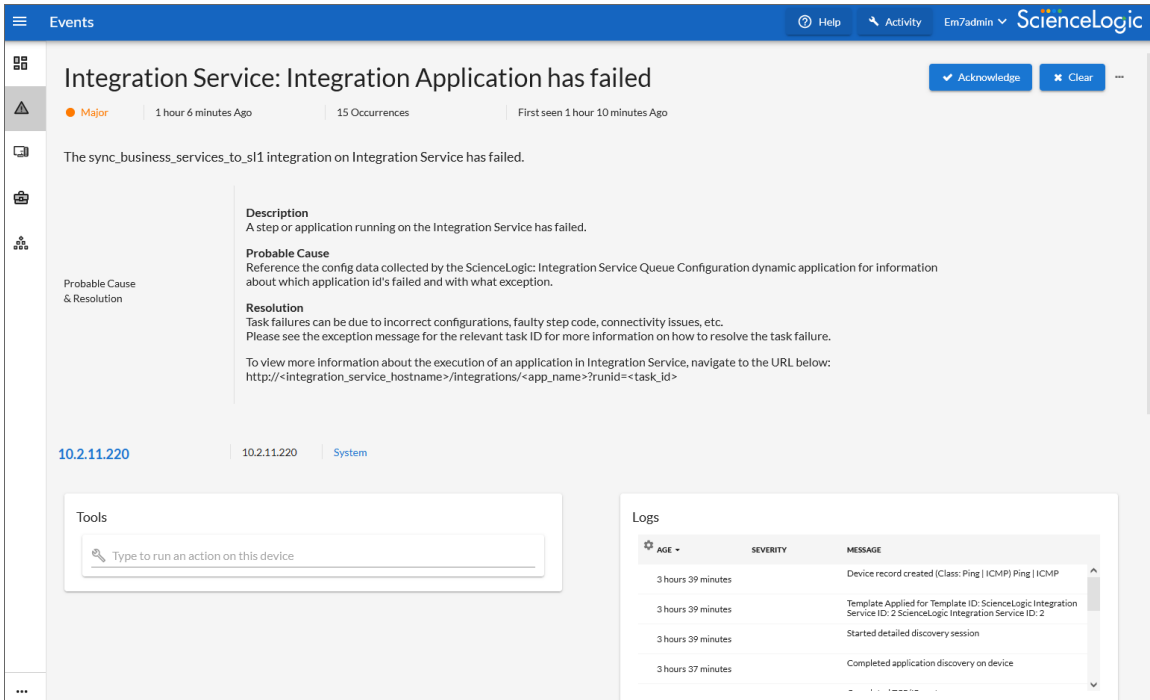
To align the Dynamic Applications in this PowerPack:

1. Go to the **Devices** page and select the device representing your PowerFlow server. The **Device Investigator** page appears.
2. Go to the **[Collections]** tab and click **[Edit]**.
3. Click the **[Align Dynamic App]** button. The **Align Dynamic Application** window appears.
4. Select *Choose Dynamic Application*. The **Choose Dynamic Application** window appears.
5. In the **Search** field, type the name of the first of the PowerFlow Dynamic Applications.
6. Select the Dynamic Application and click **[Select]**. The **Align Dynamic Application** window appears again.
7. Click the check mark () next to *Use Device SNMP Credential* to de-select it, and then click *Choose Credential*. The **Choose Credential** window appears.
8. In the **Search** field, type the name of the credential you created in the previous step, select the credential, and click **[Select]**. The **Align Dynamic Application** window appears again.
9. Click the **[Align Dynamic App]** button. The Dynamic Application is added to the **[Collections]** tab.
10. Repeat steps 2-9 for each remaining Dynamic Application for this PowerPack, and click **[Save]** when you are done aligning Dynamic Applications.

Monitoring PowerFlow Applications

The *SL1 Integration Service (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 following image shows the **Event Information** window for the classic user interface:

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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