Monitoring the Integration Service

ScienceLogic: Integration Service PowerPack version 101

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Chapter 1

Introduction to the ScienceLogic: Integration Service PowerPack

Overview

This manual describes how to monitor the Integration Service in SL1 using the *ScienceLogic: Integration Service* PowerPack.

The following topics provide an overview of the *ScienceLogic: Integration Service* PowerPack:

What Does the Integration Service PowerPack Monitor? 2
Monitoring Integration Applications in the Integration Service 2
Installing the Integration ServicePowerPack 4

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What Does the Integration Service PowerPack Monitor?

To monitor an Integration Service instance with SL1, you must install the *ScienceLogic: Integration Service* PowerPack. This PowerPack lets you configure SL1 to create an alert if an integration application in the Integration Service fails.

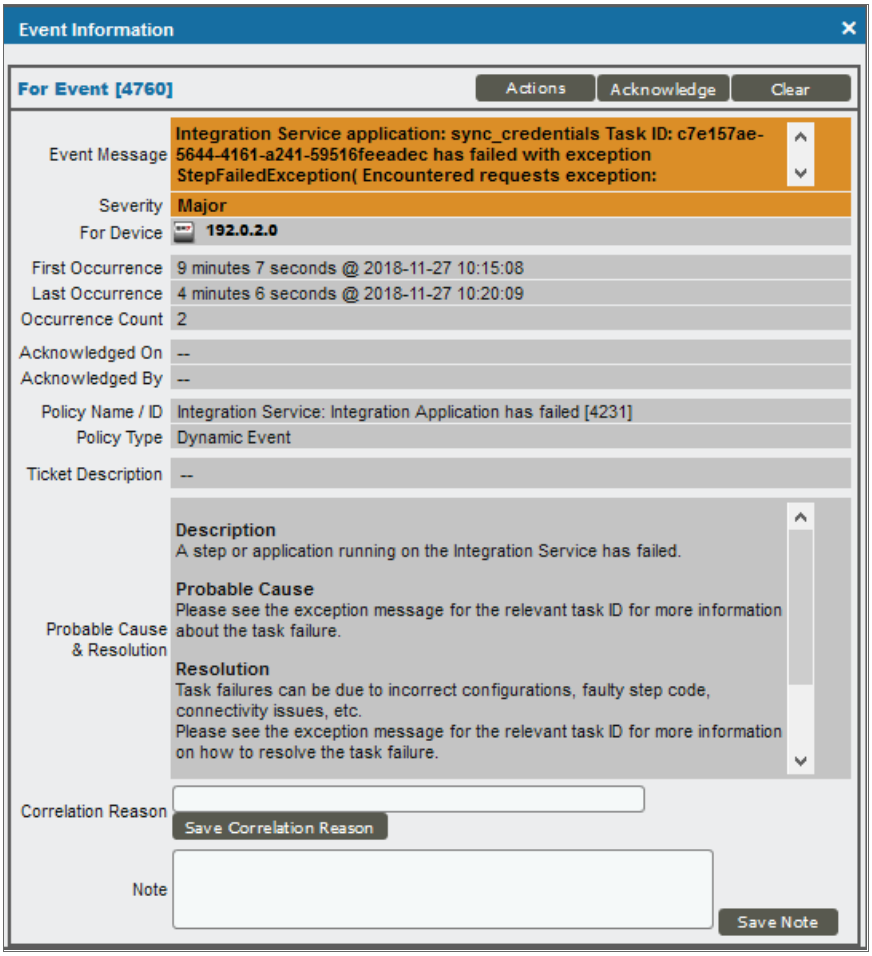
The *ScienceLogic: Integration Service* PowerPack includes:

- The "ScienceLogic: Integration Service Queue Configuration" Dynamic Application, which monitors the status of the Integration Service RabbitMQ service
- This PowerPack also includes the "REST: Performance Metrics Monitor" Dynamic Application, which monitors outgoing REST requests from SL1 to the Integration Service
- Event Policies and corresponding alerts that are triggered when an integration application in the Integration Service fails
- A Device Class for the Integration Service
- A Sample Credential for connecting to the Integration Service
- ScienceLogic Libraries that are utilized by this PowerPack:
    - content
    - content_cache
    - silo_core
    - silo_core_rest
    - silo_credentials

Monitoring Integration Applications in the Integration Service

The *ScienceLogic: Integration Service* PowerPack includes the ability to create an alert in the associated SL1 system if an integration application in the Integration Service fails.

The "ScienceLogic: Integration Service Queue Configuration" Dynamic Application generates a Major event in SL1 if an integration application fails in the Integration Service:



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 integration application that failed on the Integration Service. 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 the Integration Service, navigate to the relevant page in the Integration Service by formatting the URL in the following manner:

```
https://<integration_service_hostname>/integrations/<application_name>?runid=<task_id>
```

For example:

```
https://192.0.2.0/integrations/sync_credentials?runid=c7e157ae-5644-4161-a241-59516feeadec
```

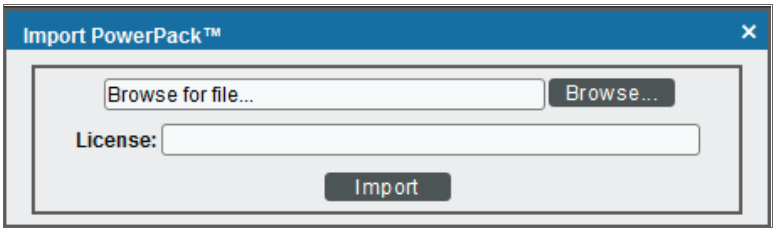
Installing the Integration ServicePowerPack

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

TIP: By default, installing a new version of a PowerPack overwrites all content in 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 Customer Portal.
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 page appears, click the **[Install]** button to install the PowerPack.

NOTE: If you exit the **PowerPack Installer** modal page 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 page. This page appears when you click the **[Actions]** menu and select *Install PowerPack*.

Chapter 2

Configuring Monitoring for the Integration Service

Overview

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

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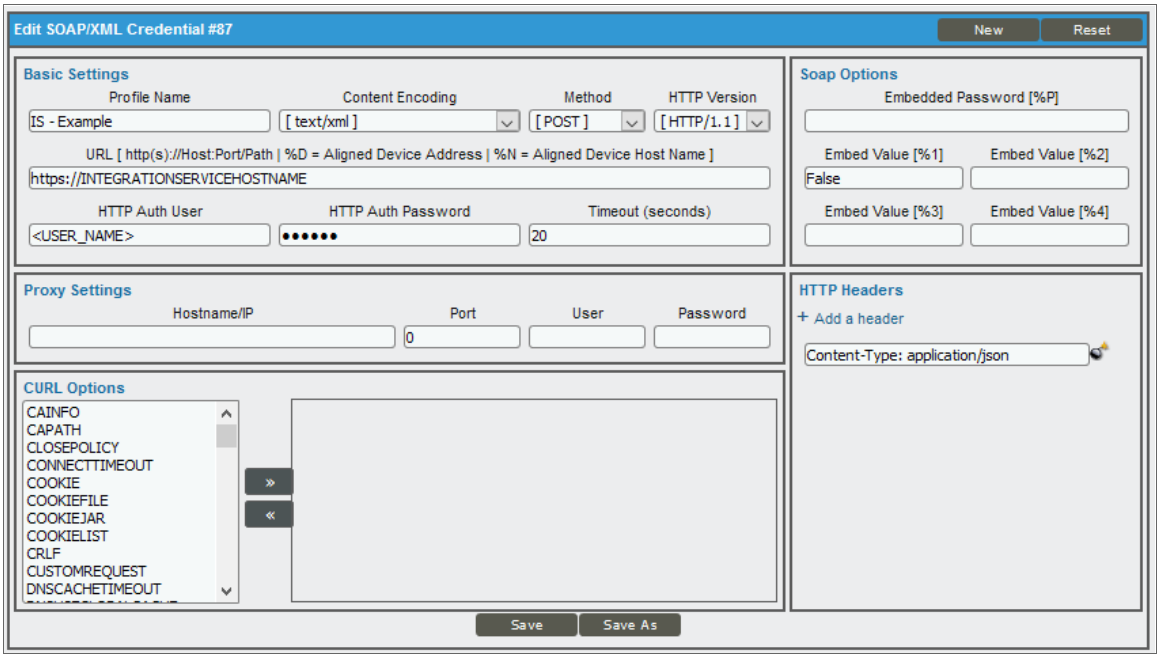
Creating a SOAP/XML Credential for the Integration Service

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

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

To configure a SOAP/XML credential to access the Integration Service:

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:

   - ***Profile Name***. Type a name for the Integration Service credential.
   - ***Content Encoding***. Select *text/xml*.
   - ***Method***. Select *POST*.
   - ***HTTP Version***. Select *HTTP/1.1*.
   - ***URL***. Type the URL for your Integration Service system.
   - ***HTTP Auth User***. Type the Integration Service administrator username.
   - ***HTTP Auth Password***. Type the Integration Service administrator password

- ***Timeout (seconds)***. Type "20".
- ***Embed Value [%1]***. Type "False".
- ***HTTP Headers***. Use the attached "Content-Type: application/json" header or click **Add a header** to define a custom HTTP header. Click the "bomb" icon to remove a header you do not need.

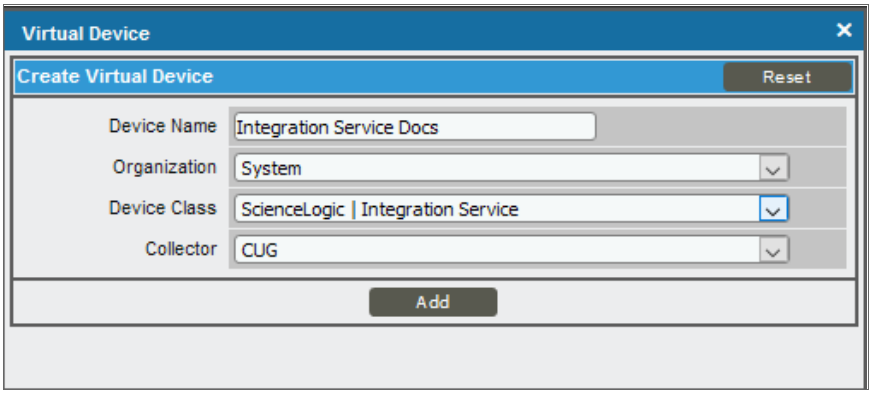
4. Click the **[Save As]** button.

Creating a Virtual Device for the Integration Service PowerPack

To monitor the Integration Service, you must create a ***virtual device*** that represents the Integration Service. You can use the virtual device to store information gathered by policies or Dynamic Applications.

To create a virtual device that represents the Integration Service:

1. Go to the **Device Manager** page (Registry > Devices > Device Manager).
2. Click the **[Actions]** button and select *Create Virtual Device* from the menu. The **Virtual Device** modal page appears:



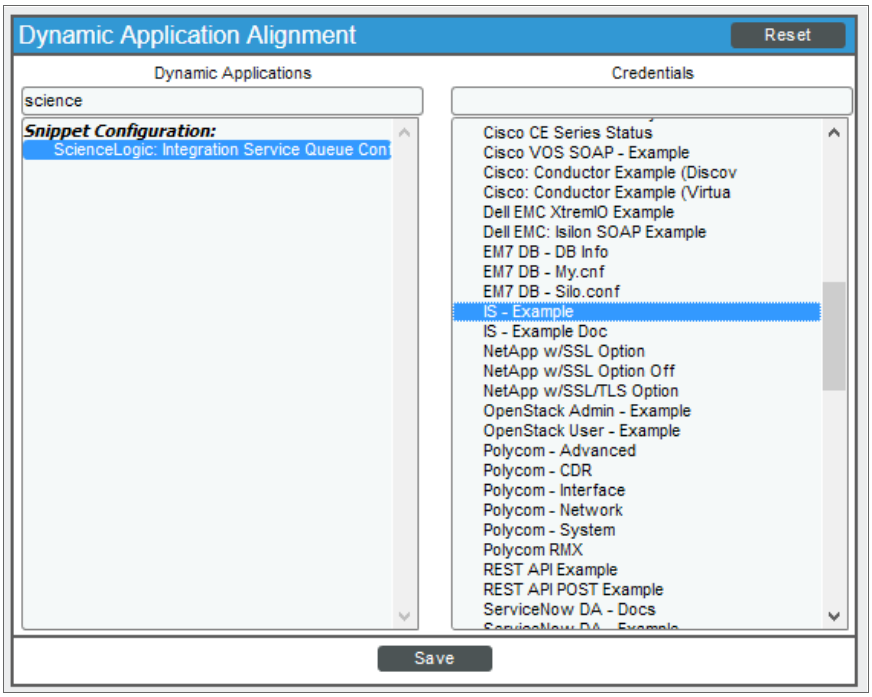
3. Complete the following fields:
   - ***Device Name***. Type a name for the device.
   - ***Organization***. Select the organization for this device. The organization you associate with the device limits the users that will be able to view and edit the device. Typically, only members of the organization will be able to view and edit the device.
   - ***Device Class***. Select *ScienceLogic | Integration Service*.
   - ***Collector***. Select the collector group that will monitor the device.
4. Click the **[Add]** button to create the virtual device.

Aligning the Integration Service PowerPack Dynamic Applications

Before you can run the Dynamic Applications in the *ScienceLogic: Integration Service* PowerPack, you must manually align each Dynamic Application to the virtual device you created in the previous step. Use the credential based on the **IS - Example** credential when you align the Dynamic Applications.

To align the Integration Service Dynamic Applications with the Integration Service virtual device:

1. Go to the **Device Manager** page (Registry > Devices > Device Manager).
2. Click the wrench icon ( ) for the virtual device you created in the previous step. The **Device Properties** page appears.
3. Click the **[Collections]** tab. The **Dynamic Application Collections** page appears.
4. Click the **[Actions]** button and select *Add Dynamic Application*. The **Dynamic Application Alignment** modal page appears:



5. In the ***Dynamic Applications*** field, select the first of the Integration Service Dynamic Applications.
6. In the ***Credentials*** field, select the credential you created based on **IS - Example** credential.
7. Click the **[Save]** button.
8. Repeat steps 4-7 for each remaining Dynamic Application.

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