



Google Cloud Platform Integrations

Google Cloud Platform Synchronization PowerPack Version 1.0.0

Google Cloud Automation PowerPack Version 100

Chapter

3

Introduction to the Google Cloud Automation PowerPack

Overview

This chapter describes how to install the *Google Cloud Automation* PowerPack.

This PowerPack requires a subscription that includes CMDB/Inventory Workflow Automations.

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What is the Google Cloud Automation PowerPack?

The *Google Cloud Automation* PowerPack contains Run Book Automation and Action policies that you can use to integrate with the *Google Cloud Platform* Synchronization PowerPack.

Installing the Google Cloud Automation PowerPack

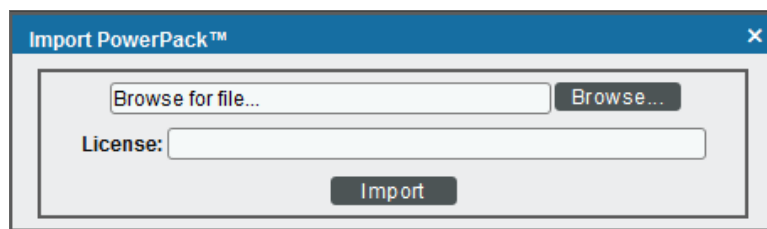
Before completing the steps in this manual, you must import and install the latest version of the *Google Cloud Automation* PowerPack.

NOTE: The *Google Cloud Automation* PowerPack requires SL1 version 10.2.0 or later. For details on upgrading SL1, see the appropriate SL1 [Release Notes](#).

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 4

Configuring Automation Action Credentials

Overview

This chapter describes how to configure the credential required by the automation actions in the *Google Cloud Automation* PowerPack.

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Creating a SOAP/XML Credential to Access SL1 PowerFlow

After you have integrated your Salesforce and PowerFlow systems, you must create a SOAP/XML credential so that the automation actions included in the PowerPack can access your PowerFlow system. The *Google Cloud Automation* PowerPack includes a template for a SOAP/XML credential that you can edit for use with your PowerFlow system.

NOTE: If you are on an SL1 system prior to version 11.1.0, you will not be able to duplicate the sample credential. It is recommended that you create your new credentials using [the SL 1 classic user interface](#) so you do not overwrite the sample credential(s).

To create a SOAP/XML credential:

1. Go to the Credentials page (Manage > Credentials).
2. Locate the "PowerFlow SF Service Cloud" sample credential, click its [Actions] icon (...), and then select *Duplicate*. A copy of the credential, called PowerFlow SF Service Cloud copy appears.


The screenshot displays two side-by-side windows from a software interface. The left window, titled 'Edit Credential', shows a form for configuring a credential. It includes a 'Name' field with the value 'PowerFlow Google Cloud copy', a toggle for 'All Organizations' (currently on), a 'Timeout' field set to 1500, and a 'Method' dropdown set to 'POST'. Below these are fields for 'URL', 'HTTP Auth User', 'HTTP Auth Password', 'Proxy Hostname/IP', 'Proxy Port (optional)', 'Proxy User', 'Proxy Password', 'Embedded Password (S/M)', and several 'Embed Value' fields. There is also a section for 'HTTP Headers' and a 'CURL Options' field. The right window, titled 'Credential Tester', shows a 'Select Credential Test' dropdown, a 'Select Collection' dropdown with 'CAG (HostID: 10.100.100.26)', and a 'Test Credential' button.

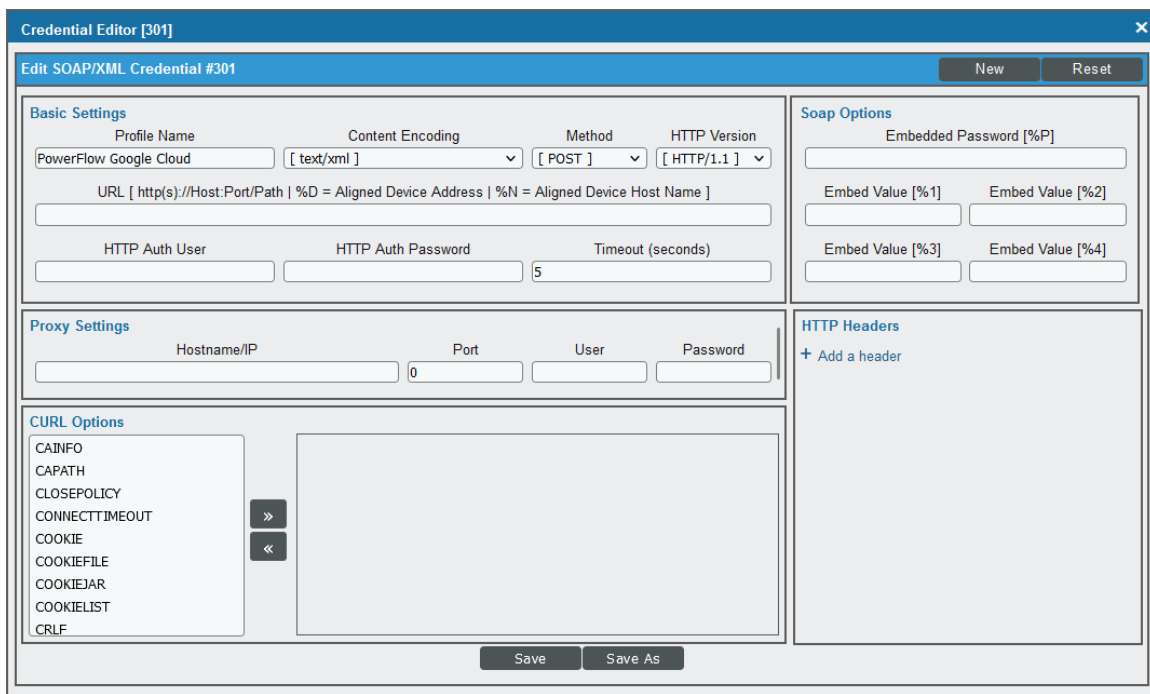
3. Supply values in the following fields:
 - **Name.** Type a new name for the credential.
 - **All Organizations.** Toggle on (blue) to align the credential to all organizations, or toggle off (gray) and then select one or more specific organizations from the *What organization manages this service?* drop-down field to align the credential with those specific organizations.
 - **URL.** Type the URL for your PowerFlow system.
 - **HTTP Auth User.** Type the username for your PowerFlow system.
 - **HTTP Auth Password.** Type the password for your PowerFlow system.

4. Click [Save & Close].
5. SL1 assigns the credential an ID number. Take note of the ID number for the new credential on the Credentials page, in the ID column. You will need the ID number when editing the input parameters of the automation actions included in the *Google Cloud Automation PowerPack*.

Creating a SOAP/XML Credential to Access SL1PowerFlow in the Classic User Interface

To define a SOAP/XML credential using the example credential:

1. Go to the Credential Management page (System > Manage > Credentials).
2. Click the wrench icon () for the PowerFlow SF Service Cloud credential. The Credential Editor modal window appears:



- 3.
4. Supply values in the following fields:
 - *Profile Name*. Type a new name for the credential.
 - *URL*. Type the URL for your SL1PowerFlow system.
 - *HTTP Auth User*. Type the username for your SL1PowerFlow user account.
 - *HTTP Auth Password*. Type the password for your SL1PowerFlow user account.

4. Click the [Save As] button to save the new SOAP/XML credential.
5. SL1 assigns the credential an ID number. Take note of the ID number that appears in the Credential Editor heading, as you will need this when editing the input parameters of the automation actions included in the *Google Cloud Automation* PowerPack.

Chapter

5

Configuring the Google Cloud Automation Run Book Action Policies

Overview


This chapter describes how to edit the Run Book Action policies included in the *Google Cloud Automation* PowerPack so that the action policies can communicate with your SL1 PowerFlow system.

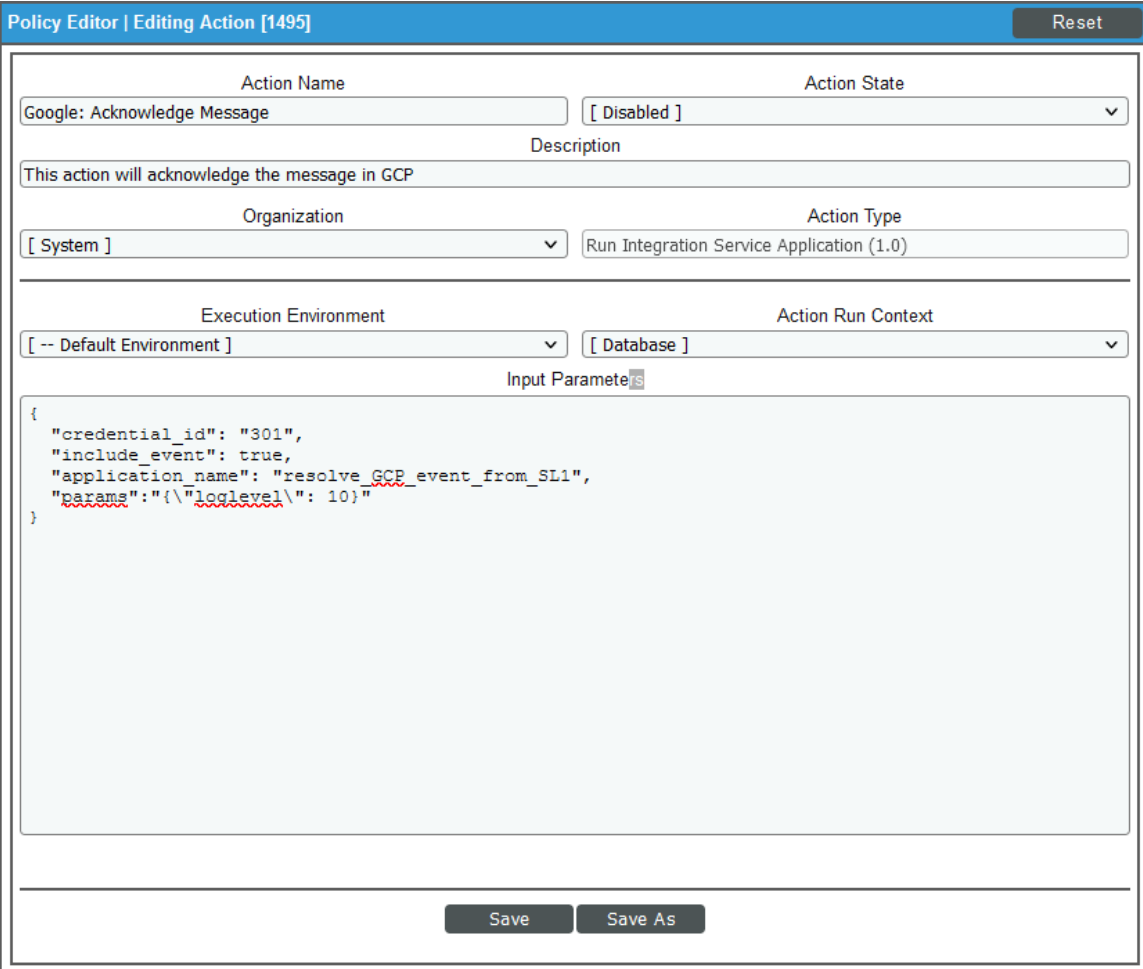
Editing the Google Cloud Automation Action Policies24

Editing the Google Cloud Automation Action Policies

The *Google Cloud Automation* PowerPack includes six action policies that use the "Run Integration Service Application" action type to trigger the PowerFlow application that sends and receives data to Google Cloud Automation. You can specify the credential ID in a JSON structure that you enter in the *Input Parameters* field in the Action Policy Editor modal.

To edit the action policies included in the PowerPack:

1. Go to the Action Policy Manager page (Registry > Run Book > Actions).
2. Locate the action policy that you want to use, and then click its wrench icon (). The Editing Action page appears:



Policy Editor | Editing Action [1495] Reset

Action Name	Action State
Google: Acknowledge Message	[Disabled]
Description	
This action will acknowledge the message in GCP	
Organization	Action Type
[System]	Run Integration Service Application (1.0)
Execution Environment	Action Run Context
[-- Default Environment]	[Database]
Input Parameters	
<pre>{ "credential_id": "301", "include_event": true, "application_name": "resolve_GCP_event_from_SL1", "params": {"loglevel": 10} }</pre>	
Save Save As	

3. In the *Input Parameters* field, change the values of the following parameters:
 - *credential_id*. Change the value to the credential ID that you noted earlier when [creating a credential for your PowerFlow system](#). This parameter is required.
 - *include_event*. Leave the value as "true".

- *application_name*. Leave the default application value.
- *params*. Leave the default parameter value.

4. Click [Save].

Chapter

6

Google Cloud Automation Run Book Automation Policies

Overview

This chapter describes the Run Book Automation policies found in the *Google Cloud Automation* PowerPack.

Standard Automation Policies27

Standard Automation Policies

The *Google Cloud Automation* PowerPack includes six standard automation policies that you can enable, shown in the following figure.

The screenshot displays the Google Cloud Automation console interface. On the left is a navigation sidebar with categories like Properties, Build / Export, Features / Benefits, Technical Notes, Documentation, Contents, Dynamic Applications, Event Policies, Device Categories, Device Classes, Device Templates, Device Groups, Reports, Dashboard Widgets, Dashboards, Dashboards SL1, Run Book Policies, Run Book Actions, Run Book Action Types, Ticket Templates, Credentials, Credential Tests, Proxy XSL Transformations, IT Services, Log File Monitoring Policies, and AP Content Objects. The main area is titled 'Editing PowerPack™ GoogleCloud Automation' and contains two sections: 'Embedded Run Book Policies [6]' and 'Available Run Book Policies [25]'. Both sections show a table of policies with columns for Policy Name, ID, Policy State, Organization, Devices, Events, Actions, Edited By, and Last Edited. The 'Embedded' section lists six Google-related policies, all currently disabled. The 'Available' section lists 25 other policies, including DCA 107 Test, Generate Memory Allocation Event, HTTP Action Example, Linux Previous Action Example, Microsoft Azure Disable and Discover from IP, Microsoft Azure Disable Storage Disks, Microsoft Azure Discover from IP, Microsoft Azure Merge with VM, Microsoft Azure Varsch Terminated VMs, and Microsoft Teams Incident Triggered.

Policy Name	ID	Policy State	Organization	Devices	Events	Actions	Edited By	Last Edited
Google: Acknowledge Message	881	Disabled	System	All	All	1	em7admin	2022-05-11 17:58:29
Google: Delete Task	680	Disabled	System	All	All	1	em7admin	2022-05-11 17:58:45
Google: Event to Build	682	Disabled	System	All	All	1	em7admin	2022-05-11 17:59:09
Google: Event to Error	683	Disabled	System	All	All	1	em7admin	2022-05-11 17:59:26
Google: Event to Task	679	Disabled	System	All	All	1	em7admin	2022-05-11 17:59:46
Google: Publish to Pubsub	678	Disabled	System	All	All	1	em7admin	2022-05-20 15:24:17

Policy Name	ID	Policy State	Organization	Devices	Events	Actions	Edited By	Last Edited
DCA 107 Test	675	Disabled	System	All	1	13	em7admin	2022-04-05 17:02:03
Generate Memory Allocation Event	383	Disabled	System	All	1	1	nikita.panhar	2020-09-30 08:54:29
HTTP Action Example	667	Disabled	System	1	1	2	em7admin	2022-03-30 21:41:16
Linux Previous Action Example	690	Enabled	System	All	1	3	em7admin	2022-06-06 19:13:33
Microsoft Azure: Disable and Discover from IP	38	Disabled	System	1 group	1	4	em7admin	2022-06-03 18:14:00
Microsoft Azure: Disable Storage Disks	33	Disabled	System	1 group	1	3	em7admin	2022-06-03 18:14:01
Microsoft Azure: Discover from IP	31	Disabled	System	1 group	1	3	em7admin	2022-06-03 18:14:02
Microsoft Azure: Merge with VM	32	Disabled	System	All	1	1	em7admin	2022-06-03 18:14:02
Microsoft Azure: Varsch Terminated VMs	29	Disabled	System	1 group	1	3	em7admin	2022-06-03 18:14:03
Microsoft Teams: Incident Triggered	539	Disabled	System	All	1	1	em7admin	2022-03-30 21:42:13

These policies synchronize events that occur in SL1 and automate creating tasks, deleting tasks, starting builds, reporting errors, and publishing Pub/Sub API messages with Google Cloud Platform.

When an event is detected in SL1, a task, build, or error is triggered in Google Cloud Platform. When a message is detected in SL1, the associated message is acknowledged in Google Cloud Platform and published to Pub/Sub.

The following table shows the automation policy, its default aligned events, and the automation action that runs in response to the events.

Automation Policy Name	Aligned Events	Automation Action
Google: Acknowledge Message	All events	Google: Acknowledge Message
Google: Delete Task	All events	Google: Delete Task
Google: Event to Build	All events	Google: Event to Build
Google: Event to Error	All events	Google: Event to Error
Google: Event to Task	All events	Google: Event to Task
Google: Publish to Pubsub	All events	Google: Publish to Pubsub

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