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# Google Cloud Platform PowerPack Release Notes

Version 107

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## Overview

Version 107 of the *Google Cloud Platform PowerPack* includes new Dynamic Applications.

- **Minimum Required SL1 Version:** 10.2.0

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## Before You Install or Upgrade


Ensure that you are running version 10.2.0 or later of SL1 before installing *Google Cloud Platform* version 107.

**NOTE:** For details on upgrading SL1, see the appropriate [Release Notes](#).

**NOTE:** Perform the steps outlined below if you on version 105. You do not need to perform these steps if you are using version 106.

Cloud SQL Service discovery is now auto-aligned by Region Discovery, which requires you to remove this Dynamic Application from the Project level.

To disable or remove the "GCP: Cloud SQL Service Discovery" Dynamic Application:

1. In SL1, go to the **Device Manager** page (Devices > Device Manager).
2. In the **Device Class | Sub-class** column heading, type "GCP | Project" to find the GCP Project component device.
3. Click the wrench icon () for that device. The **Device Properties** modal appears.
4. Click the **[Collections]** tab. The **Dynamic Application Collections** modal appears.
5. From the list, check the box next to *GCP: Cloud SQL Service Discovery*.
6. Click the **[Select Action]** drop-down at the bottom of the window pane, and select *Stop Collection and Remove Data*.
7. Click the **[Go]** button.

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## Installation or Upgrade Process

To install version 107 of the *Google Cloud Platform* PowerPack, perform the following steps:

**NOTE:** ScienceLogic does not recommend using version 101 of this PowerPack because of installation and collection issues which can arise in some system configurations. When upgrading from version 100 to later versions, ScienceLogic recommends that you delete your previously discovered Google Cloud devices as well as version 100 of the PowerPack, and then install version 101 or later. This is because the collections and devices present in version 100 are not compatible with later releases.

To install this PowerPack:

1. Familiarize yourself with the [Known Issues](#) for this release.
2. See the [Before You Install or Upgrade](#) section. If you have not done so already, upgrade your system to the 10.2.0 or later release.
3. Download the *Google Cloud Platform* version 107 PowerPack from the Support Site to a local computer.
4. Go to the **PowerPack Manager** page (System > Manage > PowerPacks). Click the **[Actions]** menu and choose *Import PowerPack*. When prompted, import *Google Cloud Platform* version 107.
5. Click the **[Install]** button. For details on installing PowerPacks, see the chapter on *Installing a PowerPack* in the **PowerPacks** manual.

See the manual **Monitoring Google Cloud Platform** for instructions on using the new PowerPack.

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## Features

Version 107 of the *Google Cloud Platform* PowerPack includes the following features:

- Dynamic Applications that discover and monitor GCP devices
- Device classes for each type of GCP device that SL1 monitors, plus device classes for each Region and Zone the PowerPack supports
- Event policies that are triggered when GCP devices meet certain status criteria
- A sample credential that you can use to create SOAP/XML credentials to monitor GCP devices

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## Enhancements and Issues Addressed

The following enhancements and addressed issues are included in version 107 of the *Google Cloud Platform* PowerPack:

- Added the "GCP: Kubernetes Engine Location Cache" Dynamic Application to create a cache entry for regions containing a Kubernetes Engine cluster.

- Added the following new Dynamic Applications:
  - "GCP: Kubernetes Engine Cluster Performance"
  - "GCP: Kubernetes Engine Cluster Discovery"
  - "GCP: Kubernetes Engine Cluster Configuration"
  - "GCP: Kubernetes Engine Service Discovery"
- Added the following device classes:
  - GCP: Kubernetes Engine
  - GCP: Kubernetes Cluster

**NOTE:** If you are upgrading from version 105 to version 107 of the PowerPack and created a credential using the "GCP: SOAP Credential Example" sample credential, you must edit an HTTP header in the credential before you upgrade. To do so, go to the **Credentials** page (Manage > Credentials), locate the credential you created, click its **[Actions]** icon, and select **Edit/Test**. Find the "Content-Type: application/json" HTTP header, edit the space in the HTTP header so that the new header reads "Content-Type:application/json", and click **[Save & Close]**.

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## Known Issues

The following known issues affect version 107 of the *Google Cloud Platform* PowerPack:

- Dynamic Applications that call Google's monitoring APIs for time-series based data (ScienceLogic performance applications) may experience delay. Google's API is subject to delays that exceed the expected data retrieval latency.

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