Google Compute Engine is the Infrastructure as a Service (IaaS) component of Google Cloud Platform, offering scalable virtual machines (VMs) on Google's global infrastructure. It allows users to create and manage VMs for various workloads, from individual servers to large compute clusters, without needing to manage physical hardware.

Note: If you are also integrating other GCP products with GreyMatter, you only need one API account configured with the required permissions for all components.

Deployment Type

This integration supports **vendor cloud** deployments through **port 443**.

If you already know that your environment supports these deployments, continue to the next step. If you are unsure, please check your organization's compatibility before continuing.

Required Information and Setup

To integrate GreyMatter with Google Cloud Platform Compute Engine, collect the following details:
- URL
    - Default: https://compute.googleapis.com/compute/v1
- Service Account Json Configuration
- Default Zone

Note: GCP Compute Engine API must be enabled. Navigate to https://console.cloud.google.com/apis/library, search for the specific GCP API that you want to enable, and select it from the menu.

See instructions below to gather the required information.

Option 1

Create a service account configured to the default GCP role:
- Compute Admin
- Service Account Admin

Option 2:

Create a service account configured to a custom role with the required permissions in the table below.

Permissions and Functionality

Permissions

GreyMatter Capability	Action	Permission(s)
Respond	Disable Service Account	Service Account Admin
	Enrich Host	Compute Admin
	Enrich Policy	Compute Admin
	Shut Down Host	Compute Admin

Respond

Once your integration is complete, collect the necessary playbook variables listed below to test the playbooks in GreyMatter.

PLAYBOOK NAME	DESCRIPTION	REQUIRED INPUT VARIABLE(S)
Enrich Host	List instances associated with a host.	Hostname Example: instance-group-1-f8ln
Enrich Policy	List a list of policies and instances.	PolicyName (instancename) Example: instance-group-1-f8ln
Shut Down Host	Retrieves a list of instances associated with Instance.	Hostname Example: instance-group-1-f8ln
Disable Service Account	Disables a given service account.	Project ID (GCP project name) Account ID