Google Cloud

# GCS & GCE Challenge Lesson

Requirements: -

* Brand New project
* GCE instance that runs provided script
* System logs available in Stack Driver logs
* New GCS bucket for resulting log files
* Log file appears in new bucket after instance finish starting up.
* No need to SSH into instance.

Advance Challenge: -

* Repeat the entire lab from the scratch using only the CLI in cloud shell.
* Complete the challenge using the console UI first.

## Actions

1. Retrieve and review the startup script.
2. Make new project.
3. Make logs destination bucket.
4. Enable GCE API (by default if using console)
5. Create new GCE instance
   1. Enable scope to write to GCS.
   2. Set labels (optional)
   3. Set start-up script
   4. Set metadata to point to logs destination bucket.
6. Monitor stack driver logs
7. Check CPU graphs.
8. Check log buckets

Data Flow:-

Firstly Connect to console using web browsers. Now to have connected to the console, you can connect to cloud shell and its editor to get access to the course lab files. Those are stored in cloud shell's persistent storage, and you load the startup script into the web browser tab.

1. create a project, when the project is created, a number of different services are enabled by default and some others aren't. As it relates to this lab, the Google Cloud Storage and Stackdriver services are enabled by default, but Google Compute Engine is not.
2. Turn in GCE API