Google Cloud Security Engineer Command Lines

Updated July 2021

Roles/IAM

Copy IAM Roles.

gcloud iam roles copy

List Testable permissions

gcloud iam list-testable-permissions project-id

Get Role information about a role

gcloud iam roles describe role-id

Grant Viewer Access

```
gcloud projects add-iam-policy-binding my-project \
   --member=user:my-user@example.com --role=roles/viewer
```

Kubenetes Engine

Kube Login credentials

gcloud auth application-default login

List Clusters

gcloud container clusters list

Describe cluster

gcloud container clusters describe cluster-name

Obtain Cluster Certificate

gcloud container clusters get-credentials jenkins --zone us-central-c

GSUTIL - Managing buckets and objects in Cloud Storage

*******gsutil is a Python application that lets you access Cloud Storage from the command line.**

List all storage buckets in project

gsutil ls

View bucket information

gsutil ls -L -b gs://mybucket

Create a Signed URL

gsutil signurl -d 10m Desktop/private-key.json gs://example-bucket/cat.jpeg

Set the ACL for a Storage Bucket Object.

gsutil acl set acl.txt gs://example-travel-maps/paris.jpg

Set the policy on a object in bucket mybucket

gsutil -m iam set -r iam.txt gs://mybucket

Get Permissions for a bucket/object

gsutil iam get gs://example > bucket_iam.txt

Recommend you take a few minutes to review this page.

https://cloud.google.com/storage/docs/gsutil/commands/iam

Compute Engine Certificate Mapping

Verify your certificate has been provisioned for your resources

gcloud app domain-mappings list

Map certificates and update

gcloud app domain-mappings update DOMAIN --certificate-management='AUTOMATIC'

Upload Certificates

gcloud app ssl-certificates create --display-name CERT_DISPLAY_NAME --certificate CERT_DIRECTORY_PATH --private-key KEY_DIRECTORY_PATH

List Create and Delete Compute Engine Certificates

gcloud computer ssl-certificates

Add Metadata

gcloud compute project-info add-metadata --metadata <KEY>=<VALUE>

SSH Keys

View Project wide SSH Keys

gcloud compute project-info describe

View Compute Instance SSH Keys

gcloud compute instance describe gcpvm1

generate SSH Key Linux

ssh-keygen -t rsa -f ~/.ssh/[KEY_FILENAME] -C [USERNAME]