Project on GCP

#Command to set the zone

Syntax :gcloud config set compute/zone <zone_name>

Example :gcloud config set compute/zone asia-east1-b

#Command to set the region

Syntax :gcloud config set compute/region <region_name>

Example :gcloud config set compute/region asia-east1

#Command to create project

Syntax : gcloud projects create <project_name>

Example : gcloud projects create my-gcp-world-1

#Command to delete project

Syntax : gcloud projects delete <project_name>

Example : gcloud projects delete my-gcp-world-1

#Command to set project

Syntax : gcloud config set project <project_name>

Example : gcloud config set project my-gcp-world-1

#Command to list projects

Syntax : gcloud projects list

Service Accounts

#Command to create the service account

Syntax : gcloud iam service-accounts create <account_name> --display-name="<display_name>"

Example : gcloud iam service-accounts create my-service-account-1 --display-name "my service account 2"

#Command to delete the service account

Syntax : gcloud iam service-accounts delete <email_id>

Example : gcloud iam service-accounts delete my-service-account-1@my-gcp-world-1.iam.gserviceaccount.com

#Command to list the service accounts

Syntax : gcloud iam service-accounts list

#Command to disable the service account

Syntax : gcloud iam service-accounts disable <email_id>

Example : gcloud iam service-accounts disable my-service-account-1@my-gcp-world-1.iam.gserviceaccount.com

#Command to enable the service account

Syntax : gcloud iam service-accounts enable <email_id>

Example : gcloud iam service-accounts enable my-service-account-1@my-gcp-world-1.iam.gserviceaccount.com

#Command to assign the role to service account

Syntax : gcloud projects add-iam-policy-binding PROJECT_ID --member=PRINCIPAL --role=ROLE

Example : gcloud projects add-iam-policy-binding my-gcp-world-1 --member "serviceAccount:my-service-account-1@my-gcp-world-1.iam.gserviceaccount.com" --role roles/compute.admin, --role roles/storage.admin, --role roles/viewer

#Command to remove the role to service account

Syntax : gcloud projects remove-iam-policy-binding PROJECT_ID --member=PRINCIPAL --role=ROLE

Example : gcloud projects remove-iam-policy-binding my-gcp-world-1 --member "serviceAccount:my-service-account-1@my-gcp-world-1.iam.gserviceaccount.com" --role roles/storage.admin

#Command to create key for service account

Syntax : gcloud alpha iam service-accounts keys create key.json --iam-account=<email_account>

Example :gcloud alpha iam service-accounts keys create key.json --iam-account=siva-sa2@siva-13-nov-2021.iam.gserviceaccount.com

#Command to list all the roles available

Syntax :gcloud iam roles list

Cloud Compute Instance

#Command to create the compute instance

Syntax :gcloud compute instances create <instance_name> --zone=<zone_name> --machine-type=<machine_type>

Example :gcloud compute instances create my-vm-1 --zone=asia-east1-b --machine-type=n1-standard-1

#Command to delete the compute instance

Syntax :gcloud compute instances delete <instance_name> --zone=<zone_name>

Example :gcloud compute instances delete my-vm-1 --zone=asia-east1-b

#Command to start the compute instance

Syntax :gcloud compute instances start <instance_name>

Example :gcloud compute instances start my-vm-1

#Command to stop the compute instance

Syntax :gcloud compute instances stop <instance_name>

Example :gcloud compute instances stop my-vm-1

#Command to check the list of compute instance

Syntax : gcloud compute instances list

Cloud Storage Bucket

#Command to create storage bucket

Syntax :gsutil mb -p <project_name> -c <storage_class> -l <region_name> gs://<bucket_name>

Example :gsutil mb -p my-gcp-world-1 -c STANDARD -l ASIA-EAST1 gs://my-gcp-bucket

#Command to delete storage bucket

Syntax :gsutil rm -r gs://<bucket_name>

Example :gsutil rm -r gs://my-gcp-bucket