Create SA using console

**Navigate to IAM & Admin**:

* Go to the IAM & Admin section in the Google Cloud Console.

**Create Service Account**:

* Click on **"Create Service Account"**.
* Enter a **name** and **description** for the service account.

**Assign Roles**:

* Choose roles for the service account based on the permissions it requires.
* Avoid giving more permissions than necessary (follow the principle of least privilege).

**Generate a Key (Optional)**:

* If your application requires direct access, you can download a **JSON key** file.
* **Caution**: Store the key securely and avoid checking it into source control.

Using Gcloud cli

1) create service account

gcloud projects list

gcloud iam service-accounts create my-sa-account --description="Service account for managing GCP resources" --display-name="My Service Account" --project openwriteup

gcloud iam service-accounts list --project openwriteup

2) list all the roes

gcloud iam roles list

2) Bind the role

YOUR\_PROJECT\_ID: Replace this with the ID of the project where you want to assign the role.

serviceAccount:my-sa-account@openwriteup.iam.gserviceaccount.com: This is the service account to which you are granting the role.

roles/apim.admin: This is the role that grants full access to API Management resources.

gcloud projects add-iam-policy-binding openwriteup \

--member="serviceAccount:my-sa-account@openwriteup.iam.gserviceaccount.com" \

--role="roles/apim.admin"

3)Verification

gcloud projects get-iam-policy openwriteup --flatten="bindings[].members"