# How to Create a Custom Role and Service Account for the CloudGen Firewall in the Google Cloud
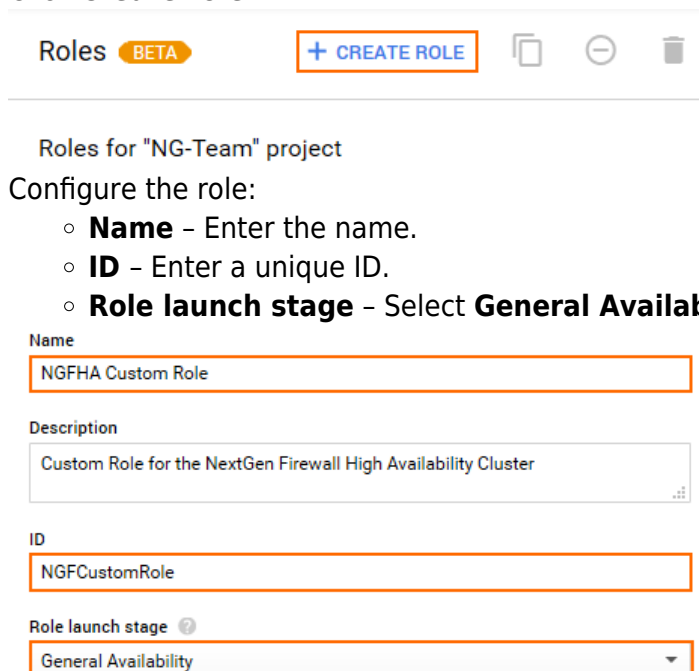
https://campus.barracuda.com/doc/96026378/

For the firewall instance running in the Google Cloud to be able to access the API and to use the gcloud tool installed on the firewall, you must create a service account and assign a custom role to the account.

> IAM Roles are a beta feature of the Google Cloud Platform.

## Step 1. Create a Custom Role

Create a custom role that includes all permissions needed by your API calls / gcloud commands running on the firewall instances. The permissions included in this step are sufficient to run the High Availability route rewriting script.

1. Log into the Google Cloud Platform: https://console.cloud.google.com/
2. Click the hamburger menu in the upper-left corner.
3. Click **IAM & admin**.
4. In the left menu, click **Roles**.
5. Click **Create role**.



6. Configure the role:
    - **Name** – Enter the name.
    - **ID** – Enter a unique ID.
    - **Role launch stage** – Select **General Availability**.
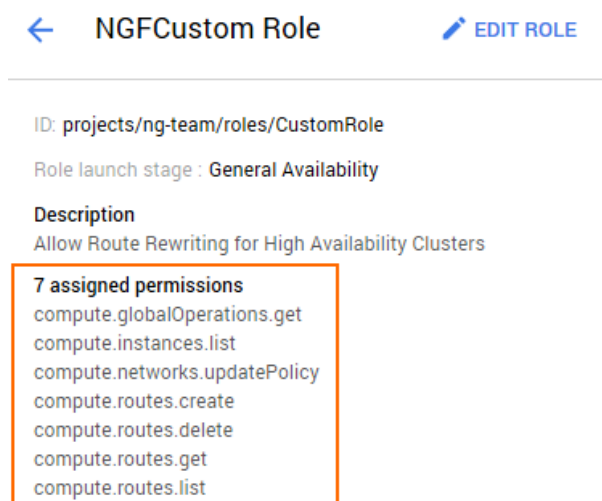


7. Click **Add Permissions**.

8. Filter for **compute** and **routes**, and add the following permissions from the list:
   - compute.routes.create
   - compute.routes.delete
   - compute.routes.get
   - compute.routes.list
   - compute.instances.list
   - compute.networks.updatePolicy
   - compute.globalOperations.get
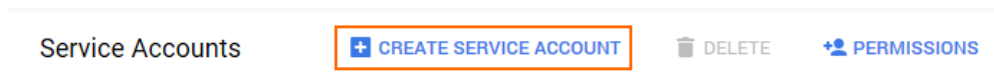9. Click **Add Permissions.**
10. Click **Create**.

The role now lists all assigned permissions.



## Step 2. Create a Service Account

Create the service account and assign the custom role to it.

1. Log into the Google Cloud Platform: https://console.cloud.google.com/
2. Click the hamburger menu in the upper-left corner.
3. Click **IAM & admin**.
4. In the left menu, click **Service accounts**.
5. Click **Create Service Account**.



6. Configure the **Service account**:
   - **Service account name** – Enter a unique service account name.
   - **Role** – Select the custom role created in Step 1 from the drop-down menu. Custom roles

are in the **Custom** category.

### Create service account

Service account name

NGFHA-ServiceAccount

Role

NGFCustom Role ▼

Service account ID

ngfha-serviceaccount    @ng-team.iam.gserviceaccount.com ↻

7. Click **Create**.

You can now use the service account to launch your High Availability cluster in the cloud.

**Figures**

1. gce_service_account_03.png
2. gce_service_account_04.png
3. gce_service_account_05.png
4. gce_service_account_01.png
5. gce_service_account_02.png