

## How to Create a Custom Role and Service Account for the CloudGen Firewall in the Google Cloud

<https://campus.barracuda.com/doc/73719433/>

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

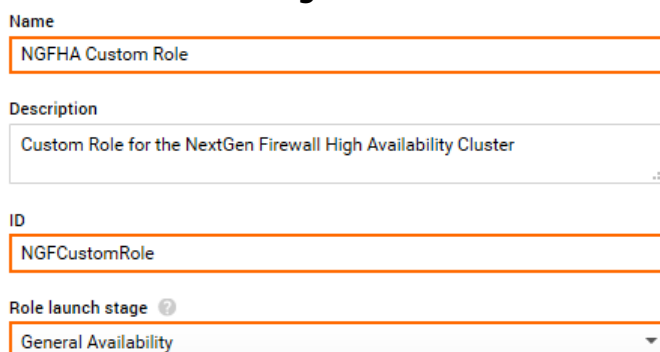
Create a custom role that includes all permissions needed by your API calls / gcloud commands running on the firewall instances. The permissions included in this step are sufficient to run the High Availability route rewriting script.

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**.



Roles for "NG-Team" project


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



Name  
NGFHA Custom Role

Description  
Custom Role for the NextGen Firewall High Availability Cluster

ID  
NGFCustomRole

Role launch stage   
General Availability

7. Click **Add Permissions**.

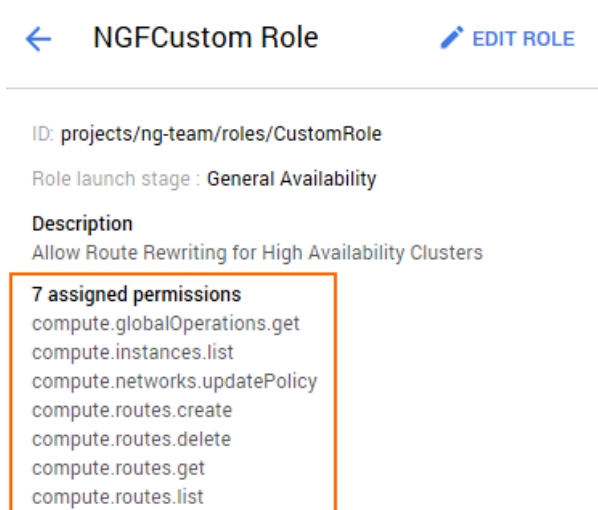
8. Filter for **compute** and **routes**, and add the following permissions from the list:

- 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.



← NGFCustom Role EDIT ROLE

ID: projects/ng-team/roles/CustomRole

Role launch stage : General Availability

**Description**  
Allow Route Rewriting for High Availability Clusters

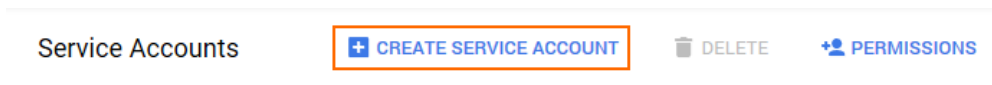
**7 assigned permissions**

- compute.globalOperations.get
- compute.instances.list
- compute.networks.updatePolicy
- compute.routes.create
- compute.routes.delete
- compute.routes.get
- compute.routes.list

## 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**.



Service Accounts CREATE SERVICE ACCOUNT DELETE PERMISSIONS

Service accounts for project "NG-Team"

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 <sup>?</sup>                 | Role <sup>?</sup>   |
| <input type="text" value="NGFHA-ServiceAccount"/> | <input type="text" value="NGFCustom Role"/>   |
| Service account ID                                |   |
| <input type="text" value="ngfha-serviceaccount"/> | <input type="text" value="@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

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