

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

<https://campus.barracuda.com/doc/96026378/>

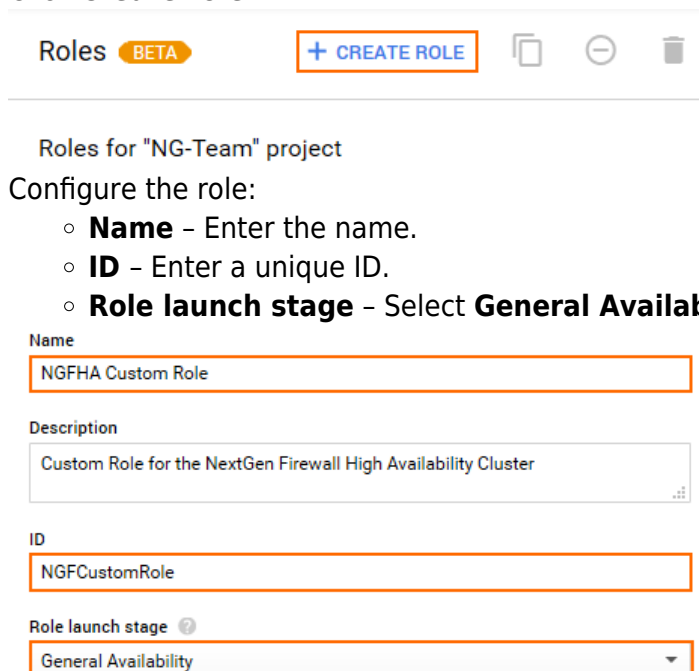
For the firewall instance running in the Google Cloud to be able to access the API and to use the gcloud tool installed on the firewall, you must create a service account and assign a custom role to the account.

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**.



The screenshot shows the 'Create Role' interface in the Google Cloud IAM console. At the top, there's a header 'Roles' with a 'BETA' badge and a '+ CREATE ROLE' button. Below this, the text 'Roles for "NG-Team" project' is visible. The form fields are as follows:

- 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**.

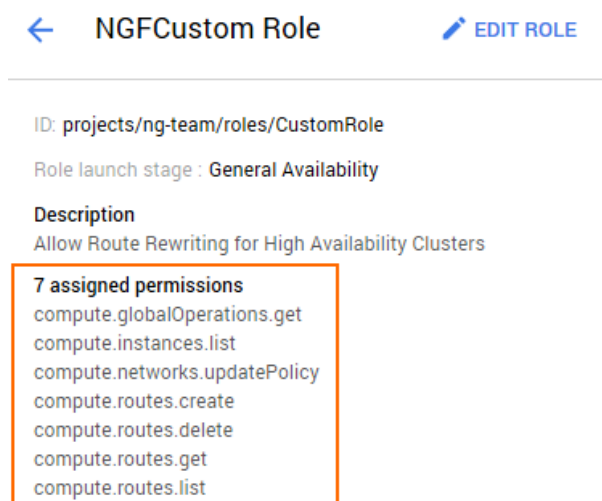
8. Filter for **compute** and **routes**, and add the following permissions from the list:

- 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**.

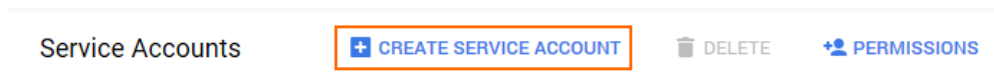
The role now lists all assigned permissions.



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 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 ?	Role ?
<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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