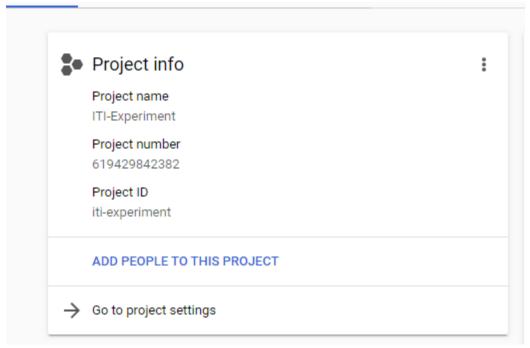
# Seif Eldin Mohamed Aboelhassan Mohamed Hendawy Lab 1

- Create your project, list your project details



Set budget and Alerts (b: 20\$/ a: 17,5\$, 10%, 5\$) Scope Cost trend Amount October 1, 2022 - October 31, 2023 Actions Send email alert notifications after the actual or forecasted spend exceeds a percent of the budget or a specified amount.  $\underline{\text{Learn more.}}$   $\ \ \square$ 0 10 \$ 2 Actual Trigger on 2 0 25 \$ 5 Actual Mar Apr May Jun Jul Aug Sep Oct Ø 85 \$ 17 Actual cost + ADD THRESHOLD → View report Filter Enter property name or value Budget name 🏻 🛧 Budget period Trigger alerts at Spend and budget amount Budget type Specified amount FirstBdgtGCP Monthly Project "ITI-Experiment" 10%, 25%, and 85% \$0.00 / \$20.00

No credits used

- Add your Friend as viewer, What is the role type?
  - ITI-Experiment

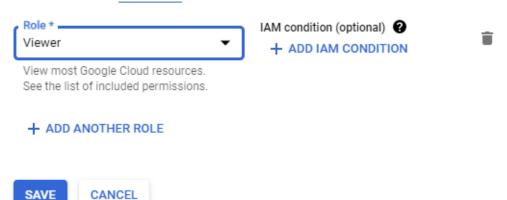
### Add principals

Principals are users, groups, domains, or service accounts. <u>Learn more about principals</u> in IAM ☑



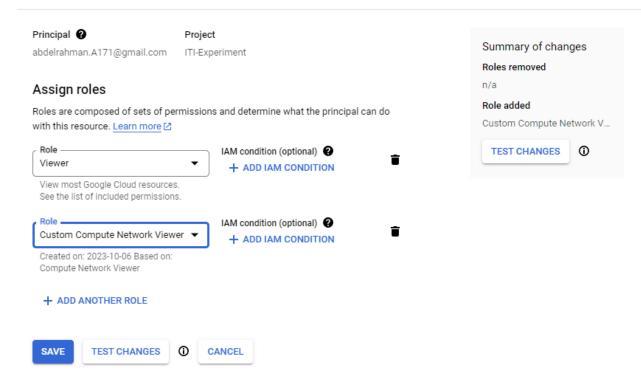
## Assign roles

Roles are composed of sets of permissions and determine what the principal can do with this resource. Learn more  $\@ifnextchar[{\@model{L}}{\@model{L}}$ 

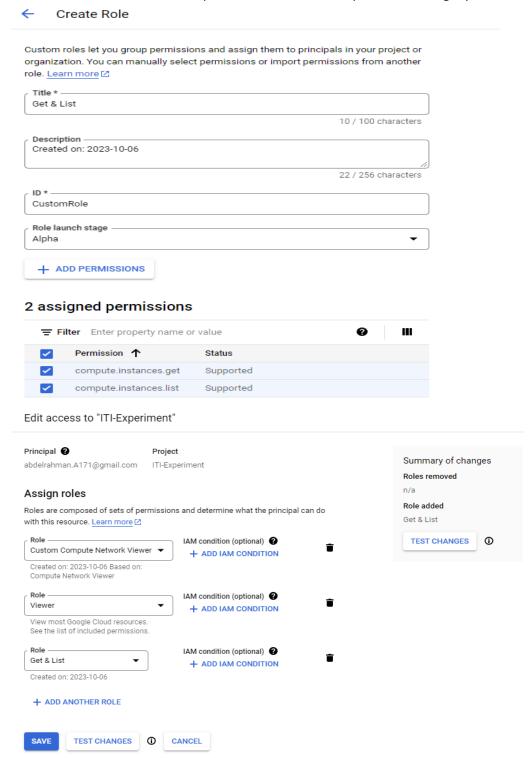


- Restrict his viewer to view the VPC networks only.

Edit access to "ITI-Experiment"



- Create Service account with compute.instances.list & compute.instnaces.get permissions



Create a python app that prints the projectId (hint : API).

- List the projects using SDK.

### Local

```
D:\Education\ITI\DevOps ITI\Weel 14\1 Google Cloud Platform\Day 01\Lab 1>gcloud projects list
PROJECT_ID NAME PROJECT_NUMBER
iti-experiment ITI-Experiment 619429842382
```

#### GCP shell

```
Welcome to Cloud Shell! Type "help" to get started.
Your Cloud Platform project in this session is set to iti-experiment.
Use "gcloud config set project [PROJECT_ID]" to change to a different project.
seifhendawy1@cloudshell:~ (iti-experiment) $ gcloud projects list
PROJECT_ID: iti-experiment
NAME: ITI-Experiment
PROJECT_NUMBER: 619429842382
seifhendawy1@cloudshell:~ (iti-experiment) $
```

Use the cloud shell to auth the pervious <u>SA</u> and set the current project as your default project.
 Local

```
b:\Education\ITI\DevOps ITI\Weel 14\1 Google Cloud Platform\Day 01\Lab 1>gcloud config set project iti-experiment
Updated property [core/project].
```

D:\Education\ITI\DevOps ITI\Week 14\1 Google Cloud Platform\Day 01\Lab 1>gcloud auth activate-service-account --key-file=iti-experiment-f54a4147ca0c.json Activated service account credentials for: [svc-acc@iti-experiment.iam.gserviceaccount.com]

#### GCP Shell

```
seifhendawyl@cloudshell:~ (iti-experiment) $ cat iti-experiment-f54a4147ca0c.json
cat: iti-experiment-f54a4147ca0c.json: No such file or directory
seifhendawyl@cloudshell:~ (iti-experiment) $ touch iti-experiment-f54a4147ca0c.json
seifhendawyl@cloudshell:~ (iti-experiment) $ cat iti-experiment-f54a4147ca0c.json
seifhendawyl@cloudshell:~ (iti-experiment) $ vi iti-experiment-f54a4147ca0c.json
seifhendawyl@cloudshell:~ (iti-experiment) $ gcloud auth activate-service-account --key-file=iti-experiment-f54a4147ca0c.json
Activated service account credentials for: [svc-acc@iti-experiment.iam.gserviceaccount.com]
seifhendawyl@cloudshell:~ (iti-experiment) $
```