

1) Create a service account having editor role and create a key new key for service account.

Give editor role to service account.

2) Tag a new key to the service account for terraform that we have created.

3) Extract the zip folder and put below lines in main.tf file

copy provider section from master.txt file and put it in your main.tf file.

Change project id with the qwikilab project id and also put the proper path of your service account json file.

Go to folder/path of your terraform_lab from cmd and then run the following command

terraform init

4) Put compute network and compute subnetwork in main.tf file

Copy line no 9 to 20 from master file and put it in main.tf file

4) terraform plan

5) terraform apply

6) verify that custom network is created or not in console.

7) change in mtu of custom network from 1450 to 1500 in tf file.

8) Check the plan after change

terraform plan

9) apply the change

terraform apply

10) create a virtual machine in custom network.

Copy line no 24 to 40

11) check the plan after change

12) apply the plan

13)verify are we able to login to virtual machine and can do ssh?

14)Add firewall rule to allow to login on port 22 in custom network

15)terraform plan

16)terraform apply

17)verify that our firewall is added and we are able to login to virtual machine

18)Add a new virtual machine in default network.

Copy line 56 to 70

terraform apply

Terraform plan

19)Verify that new instance is created in default network.

20)Delete all the resources that we have created in google cloud.

terraform destroy

21)Verify that all the resources got deleted properly in front end.

