gcloud auth login

select your project with the command below

gcloud config set project PROJECT\_ID

Next : Create a virtual machine

the command below will create a VM of name my-vm- in the region us-central11-a of machine type deafault that is n1-standard-1 with boot disk image Debian GNU/linux 9 (stretch). And also tagging the VM with an http tag for firewall rule. and the next comment allow http access.

gcloud compute instances create my-vm-1 --zone=us-central1-a --machine-type=ni-standard-1 --tags=http

gcloud compute firewall-rule create default-allow-http --direction=INGRESS --priority=1000 --network=default  
--action=ALLOW --rules=tcp:80 --source-ranges=0.0.0.0/0 --target-tags=http

Next : Create another virtual machine

First set the default zone to the one different from that of the VM with this command

gcloud config set compute/zone us-central1-b

To create a VM instance called my-vm-2 in that zone, execute this command:

gcloud compute instances create "my-vm-2" --machine-type "n1-standard-1" --image-project "debian-cloud"  
--image "debian-9-stretch-v20190213" --subnet "default"

next: Connect between VM instances

SSH into th VM name my-vm-2 with the follow ssh command

ssh my-vm-2

Use the ping command to confirm that my-vm-2 can reach my-vm-1 over the network:

ping my-vm-1

press Ctrl+C to abort

Use the ssh command to open a command prompt on my-vm-1:

ssh my-vm-1

At the command prompt on my-vm-1, install the Nginx web server:

sudo apt-get install nginx-light -y

Use the nano text editor to add a custom message to the home page of the web server:

sudo nano /var/www/html/index.nginx-debian.html

Use the arrow keys to move the cursor to the line just below the h1 header. Add text like this, and replace YOUR\_NAME with your name

Hi from YOUR\_NAME

use Ctrl+O and Ctrl+X to save and exit

Confirm that the web server is serving your new page. At the command prompt on my-vm-1, execute this command:

curl <http://localhost/>

exit

To confirm that my-vm-2 can reach the web server on my-vm-1, at the command prompt on my-vm-2, execute this command:

curl <http://my-vm-1/>

gcloud auth login

select your project with the command below

gcloud config set project PROJECT\_ID

Next : Create a virtual machine

the command below will create a VM of name my-vm- in the region us-central11-a of machine type deafault that is n1-standard-1 with boot disk image Debian GNU/linux 9 (stretch). And also tagging the VM with an http tag for firewall rule. and the next comment allow http access.

gcloud compute instances create my-vm-1 --zone=us-central1-a --machine-type=ni-standard-1 --tags=http

gcloud compute firewall-rule create default-allow-http --direction=INGRESS --priority=1000 --network=default  
--action=ALLOW --rules=tcp:80 --source-ranges=0.0.0.0/0 --target-tags=http

Next : Create another virtual machine

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Hi from YOUR\_NAME

use Ctrl+O and Ctrl+X to save and exit

Confirm that the web server is serving your new page. At the command prompt on my-vm-1, execute this command:

curl <http://localhost/>

exit

To confirm that my-vm-2 can reach the web server on my-vm-1, at the command prompt on my-vm-2, execute this command:

curl <http://my-vm-1/>