

GADS Phase II Google Cloud Practice Project

Translation Challenge #1

Challenge Info:

Path: Associate Cloud Engineer: Learning Phase 1 Main Track Channel (2020)

Course: Google Cloud Platform Fundamentals - Core Infrastructure

Module: Virtual Machines in the Cloud

Lab: GCP Fundamentals: Getting Started with Compute Engine

Translation:

Task 2: Create a virtual machine using the GCP Console

```
gcloud compute instances create "my-vm-1" \  
  --machine-type "n1-standard-1" \  
  --image-project "debian-cloud" \  
  --image "debian-9-stretch-v20190213" \  
  --subnet "default"  
gcloud compute firewall-rules create allow-http \  
  --action=ALLOW \  
  --direction=INGRESS \  
  --rules=http:80 \  
  --target-tags=http
```

Task 3: Create a virtual machine using the gcloud command line

```
gcloud config set compute/zone us-central1-a  
gcloud compute instances create "my-vm-2" \  
  --machine-type "n1-standard-1" \  
  --image-project "debian-cloud" \  
  --image "debian-9-stretch-v20190213" \  
  --subnet "default"
```

Task 4: Connect between VM instances

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

ping my-vm-1

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

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

curl http://localhost/

Done:

Copy the External IP address for **my-vm-1** and paste it into the address bar of a new browser tab. You will see your web server's home page, including your custom text.