Google Cloud Fundamentals: Getting Started with Compute Engine

Create a virtual machine using the gcloud command line:

- display a list of all the zones in the region `gcloud compute zones list | grep us-central1`

- set your default zone `gcloud config set compute/zone us-central1-b`
- create a VM instance called **my-vm-1**

  ```
  gcloud compute instances create "my-vm-1" \
  --machine-type "n1-standard-1" \
  --image-project "debian-cloud" \
  --image "debian-9-stretch-v20190213" \
  --subnet "default"
  ```
- create a VM instance called **my-vm-2**

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

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`
- Press **Ctrl+C** to abort the ping command.
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- 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`
- Press **Ctrl+O** and then press **Enter** to save your edited file, and then press **Ctrl+X** to exit the nano text editor.
- Confirm that the web server is serving your new page. At the command prompt on **my-vm-1**, execute this command: `curl http://localhost/`
- 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/`