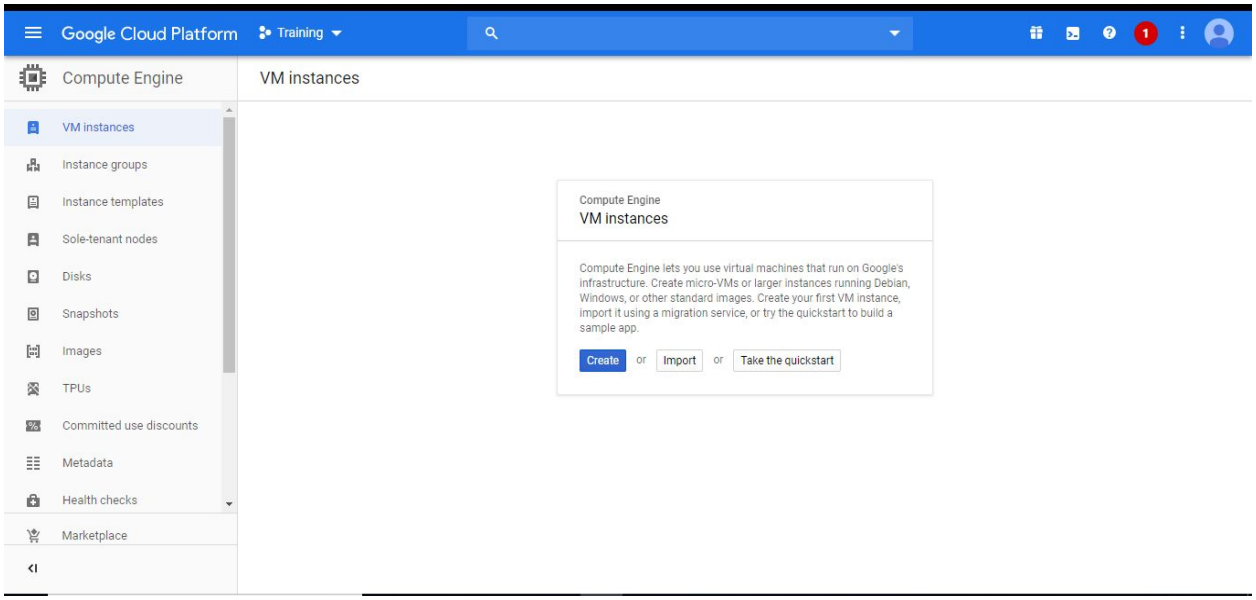
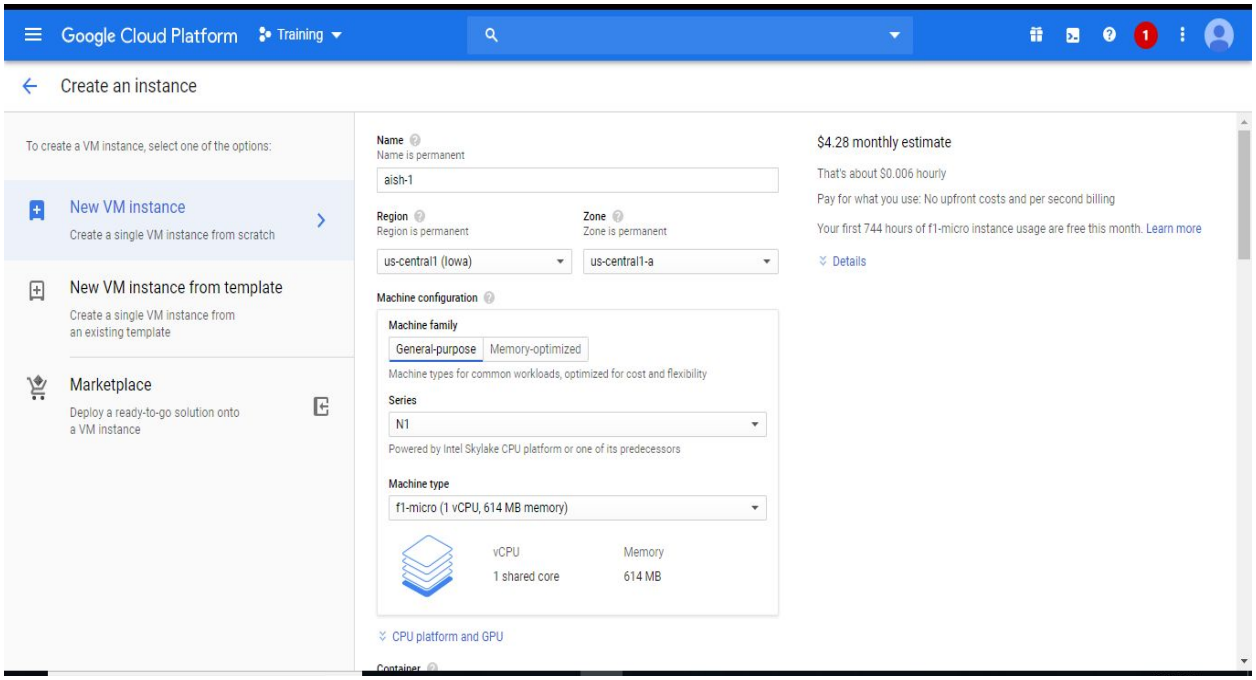
GCP assessment on VPC

Q1) Create an instance A in default VPC.

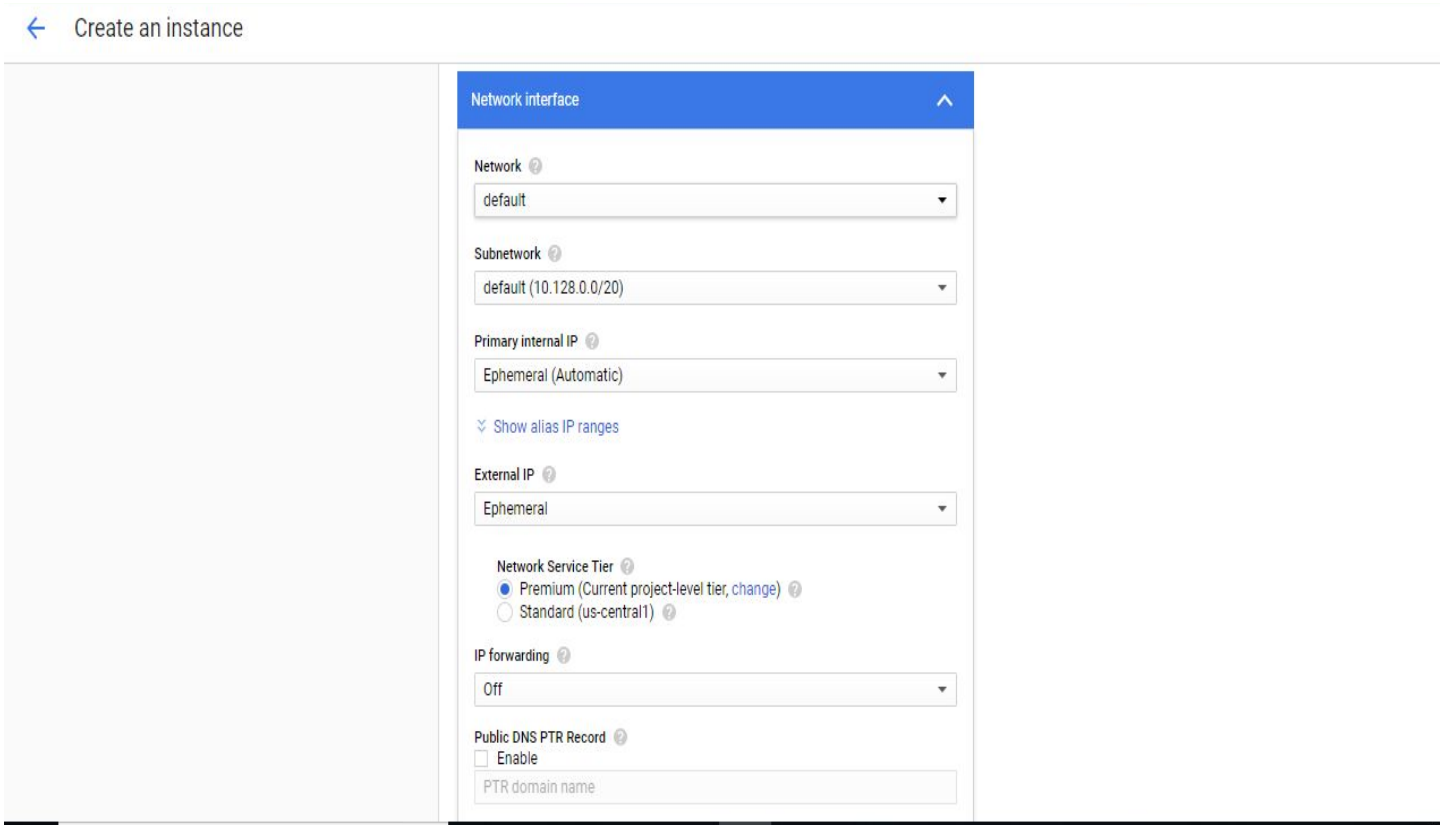
Steps: 1.Go to Compute Engine>>VM instances>>Create Instance



2. Name the Instance and configure it.



3. In Networking Interface select **Default** network.



4. Click on Create. An Gcp instance in default VPC would be created.

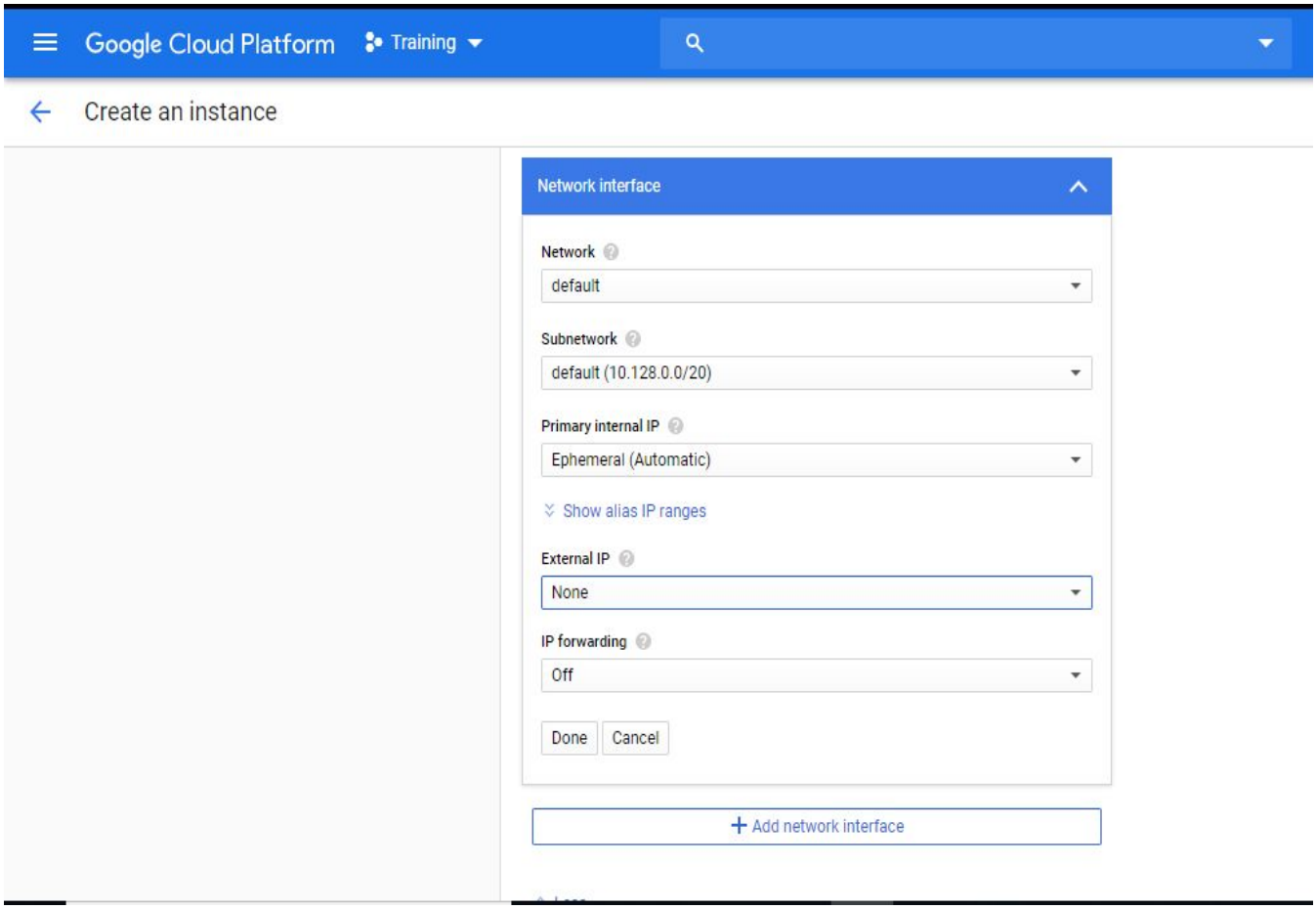
Q2.) Launch instance B with only private ip in default VPC in different zone.

Steps:
1.Go to Compute Engine>>VM instances>>Create Instance

2.Name the Instance and configure it (**Select different Region than that of above instance**)

3. In Networking Interface select **Default** network.

4.Choose Extenal IP as **none**.(To create instance with only private IP).



Q3.configure NAT so instance can access Internet.

Steps:

1.Go to the Cloud NAT page in the Google Cloud Console.

2.Click **Get started** or **Create NAT gateway**.

3.Enter a **Gateway name**.

4.Choose a **VPC network**.

5.Set the **Region** for the NAT gateway.

6.Select or create a **Cloud Router** in the region.

7.Select 'Primary ranges for all subnets' in NAT Mapping (for Compute Engine).

8.Click on create.This will allow all private subnets to connect to internet using **NAT.**

Q4)SSH into Instance B using instance A and try to install nginx.

Steps:

1. SSH to your public instance.

2. In the terminal,type ssh <private-instance-name> (This will take us to the terminal in the private instance).

3. Type sudo apt-get install nginx.