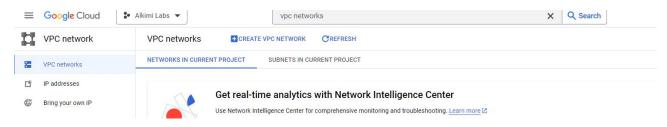
## GCP Node Setup procedure

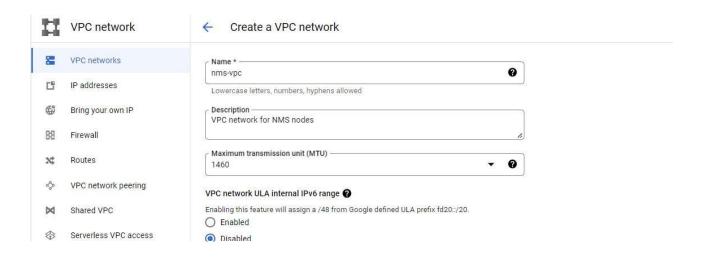
Log on to the GCP console with your credentials.

Setup VPC for the NMS.

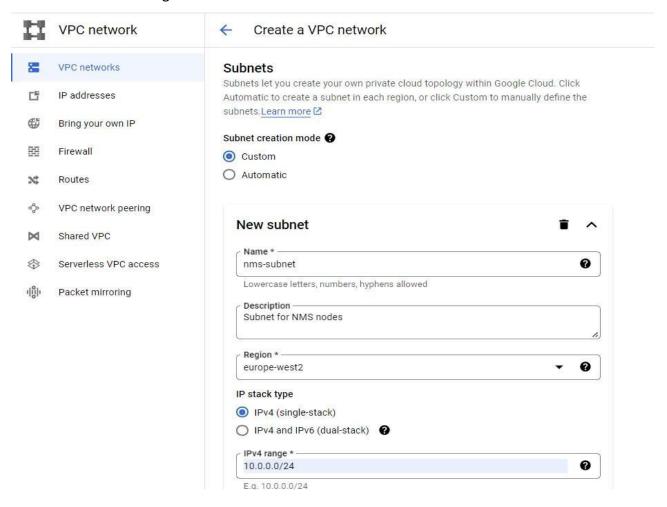
Enter "VPC networks" in the search button and click enter.



Click on Create VPC networks and enter details as given below



### Enter subnet details as given below



988	
Private Google Access 🔞	
On On	
Off	
Flow logs	
Turning on VPC flow logs doesn't affect perform	[ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [
number of logs, which can increase costs in Log On	ging. Learn more
o off	
OII	

#### Click on Done .

In the Firewall rules select nms-vpc-allow-ssh as shown below.

#### Firewall rules @

Select any of the firewall rules below that you would like to apply to this VPC network. Once the VPC network is created, you can manage all firewall rules on the Firewall rules page.

#### **IPV4 FIREWALL RULES**



And then click on Create to create a VPC.

interconnect and Cloud Router

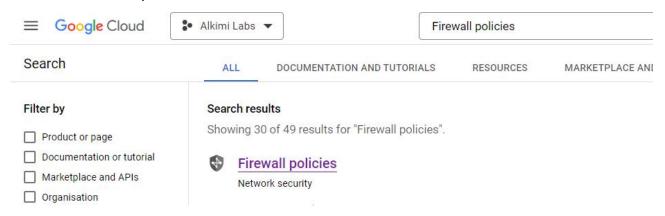
CANCEL

DNS server policy

CREATE

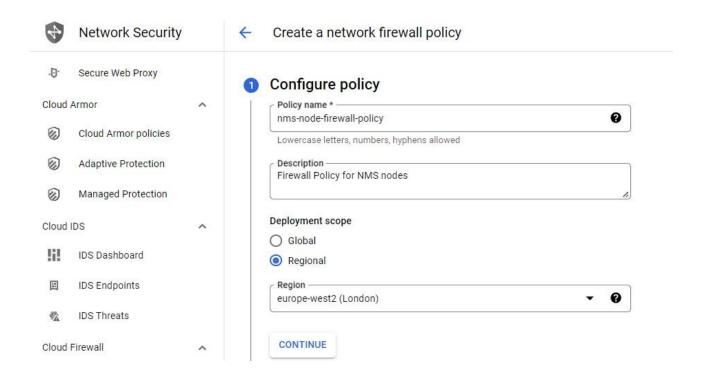
Once VPC is created, it is time to set up a Network Firewall Policy.

Search for "Firewall policies" as below and select Firewall Policies

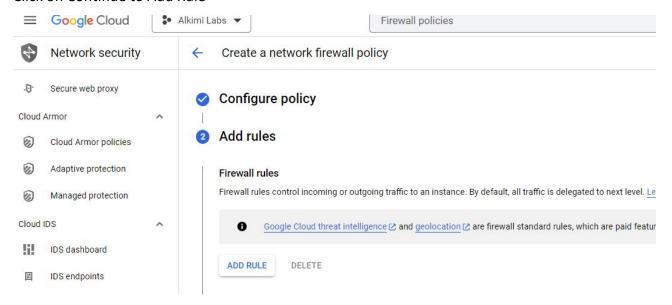


and click on Create Firewall Policy

Enter Firewall policy details as below



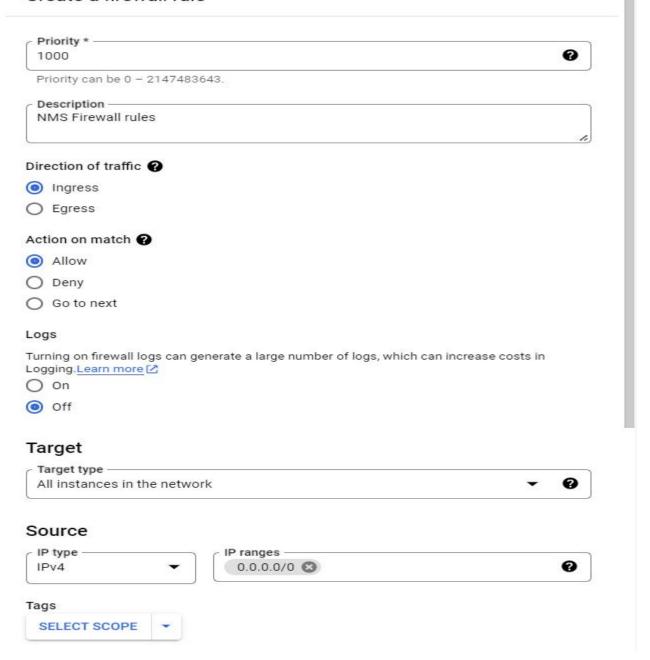
#### Click on Continue to Add Rule



Click on ADD RULE to add Firewall Rule

Enter firewall rule details as below

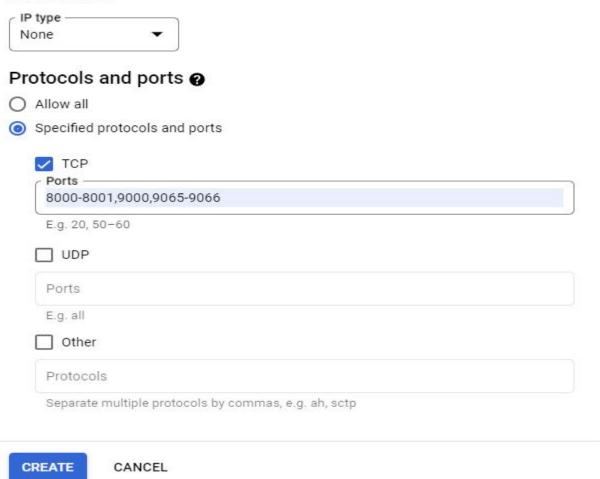
#### Create a firewall rule



Select "Specified protocols and ports" as shown below

Then Enter port details as below for Guardian Nodes (For Master Node check next Step)

## Destination



OR enter port details as below for Master node

## Destination



# Protocols and ports @



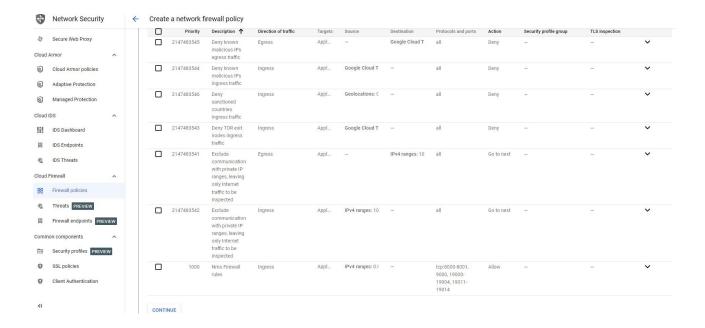




Separate multiple protocols by commas, e.g. ah, sctp

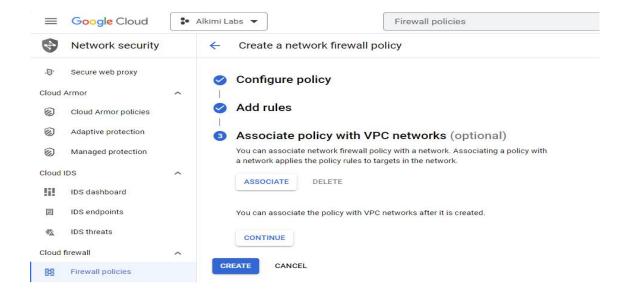
CREATE CANCEL

and Click on Create.



#### Click on Continue

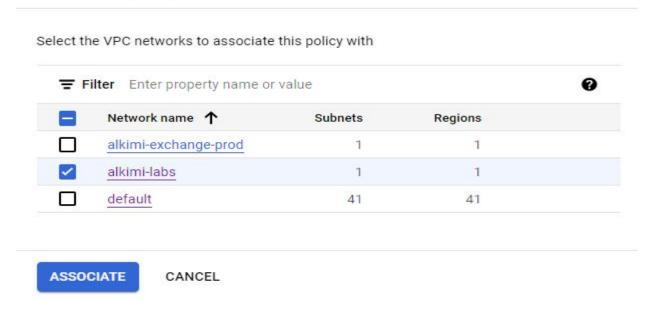
#### Associate this with the VPC created already



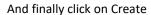
#### Click on Associate.

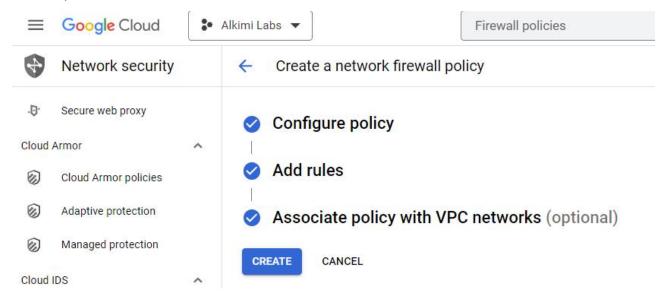
Select the VPC network name created in earlier steps.

## Associate policy with VPC networks

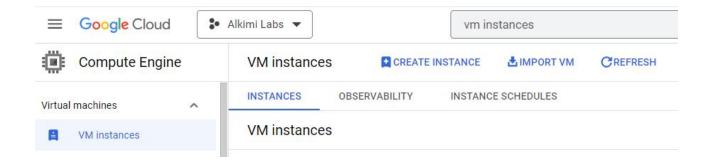


After Selecting network Click on Continue



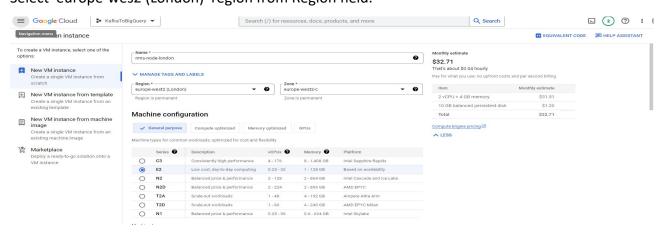


Now a VM instance has to be created. Search for "VM instances"

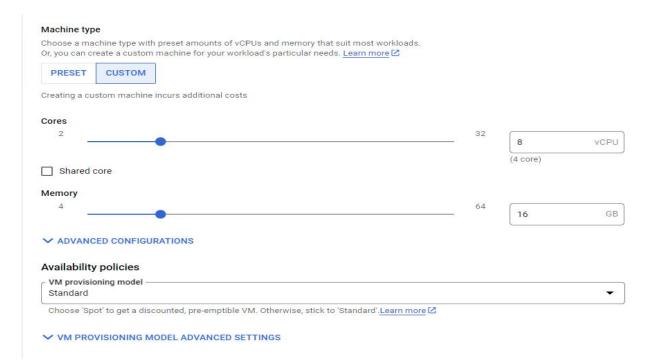


Now click on Create Instance as shown below

Create Instance shows below screen. Enter the name of the VM instance in the Name field. Select europe-wes2 (London) region from Region field.



Now in Machine Type please select Custom option and enter suggested number of CPUs and Memory combinations as below



Deploy a container image to this VM instance

DEPLOY CONTAINER

#### Boot disk @



CHANGE

#### Identity and API access @



Now click on Change in Boot disk

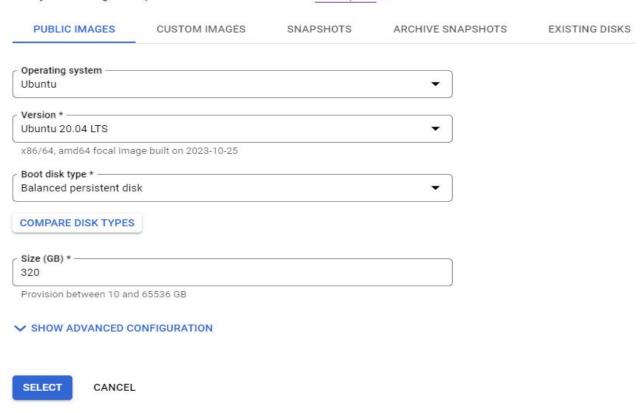
Enter Operating System - Ubuntu, Version - Ubuntu 20.04 LTS(x86/64) and disk size (320GB) as given below.

Ubuntu 20.04 LTS

x86/64, amd64 focal image built on 2023-10-25

#### Boot disk

Select an image or snapshot to create a boot disk; or attach an existing disk. Can't find what you're looking for? Explore hundreds of VM solutions in Marketplace 🖾



Please make sure Version is selected as below

# Ubuntu 20.04 LTS

x86/64, amd64 focal image built on 2023-09-18

And click on SELECT

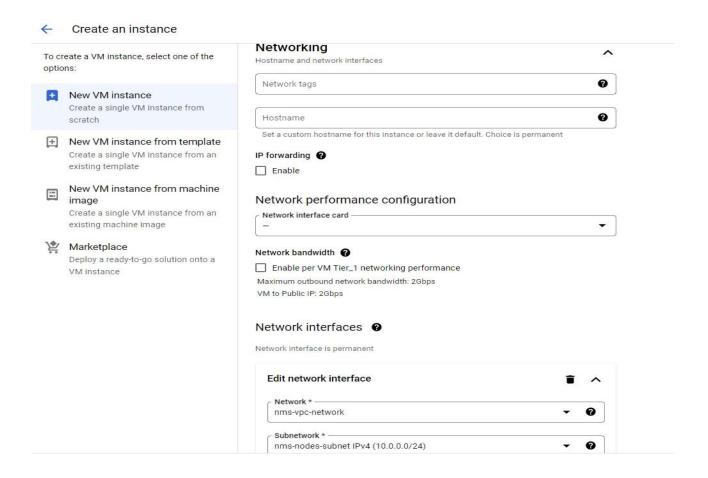
Now select/expand Advanced Options

☐ Install Ops Agent for monitoring and logging

#### Advanced options

Networking, disks, security, management, sole-tenancy

Now select/expand Networking and select the VPC created earlier in "Network Interfaces" as given below.



#### Now click on Done



#### Click on Create now to create the instance. Once VM is created it is shown as below



Note down the External IP (highlighted in the image above).

# Node Registration Procedure (GCP).

Now the VM instance is created, it is time to connect and install NMS software.

To connect the VM instance click on SSH on the VM Instance dashboard as given below

