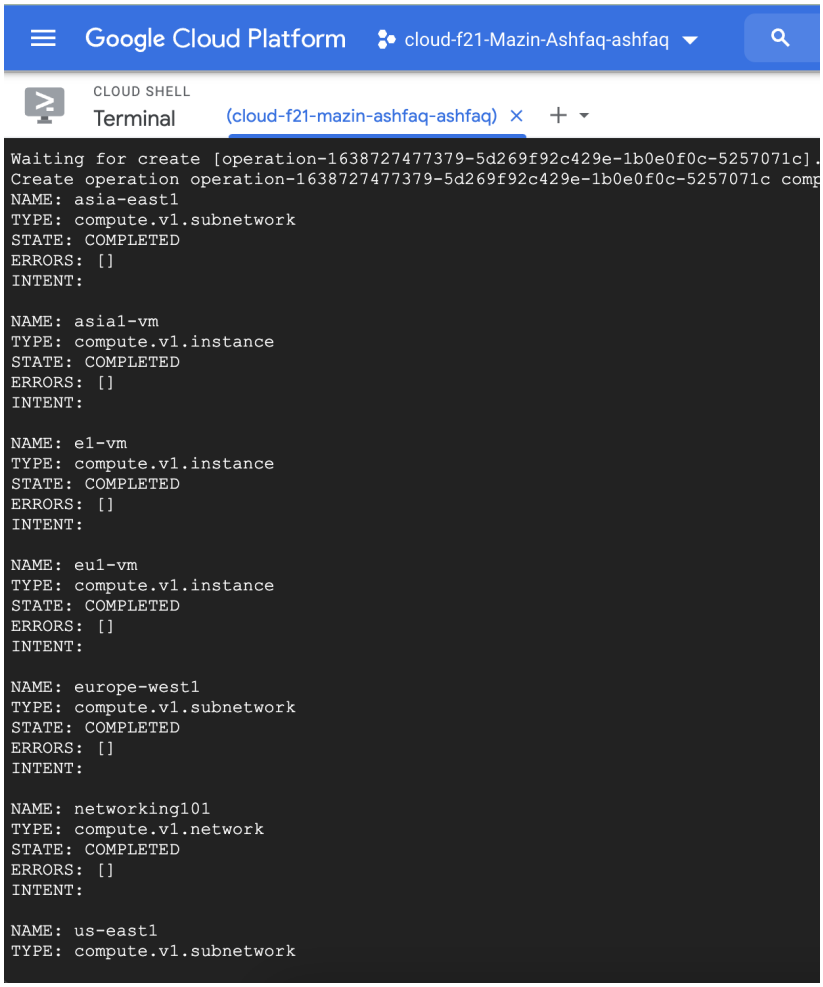
6. Deployment

- Take a screenshot of the output to include in your lab notebook. How many networks, subnetworks, and VM instances have been created?

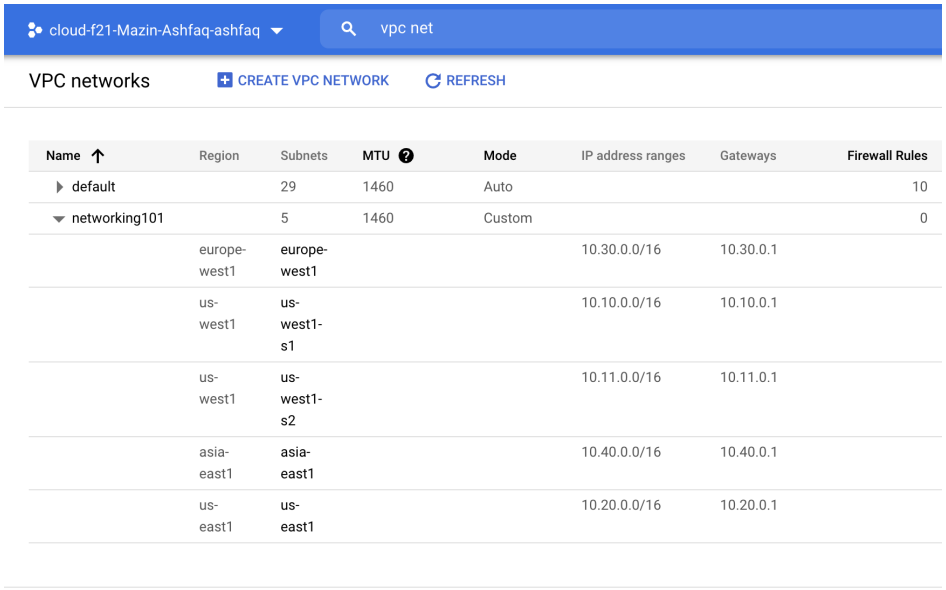
  1 Network
  4 Subnetworks
  5 VM instances




```
Waiting for create [operation-1638727477379-5d269f92c429e-1b0e0f0c-5257071c].
Create operation operation-1638727477379-5d269f92c429e-1b0e0f0c-5257071c comp
NAME: asia-east1
TYPE: compute.v1.subnetwork
STATE: COMPLETED
ERRORS: []
INTENT:

NAME: asia1-vm
TYPE: compute.v1.instance
STATE: COMPLETED
ERRORS: []
INTENT:

NAME: e1-vm
TYPE: compute.v1.instance
STATE: COMPLETED
ERRORS: []
INTENT:

NAME: eu1-vm
TYPE: compute.v1.instance
STATE: COMPLETED
ERRORS: []
INTENT:

NAME: europe-west1
TYPE: compute.v1.subnetwork
STATE: COMPLETED
ERRORS: []
INTENT:

NAME: networking101
TYPE: compute.v1.network
STATE: COMPLETED
ERRORS: []
INTENT:

NAME: us-east1
TYPE: compute.v1.subnetwork
```

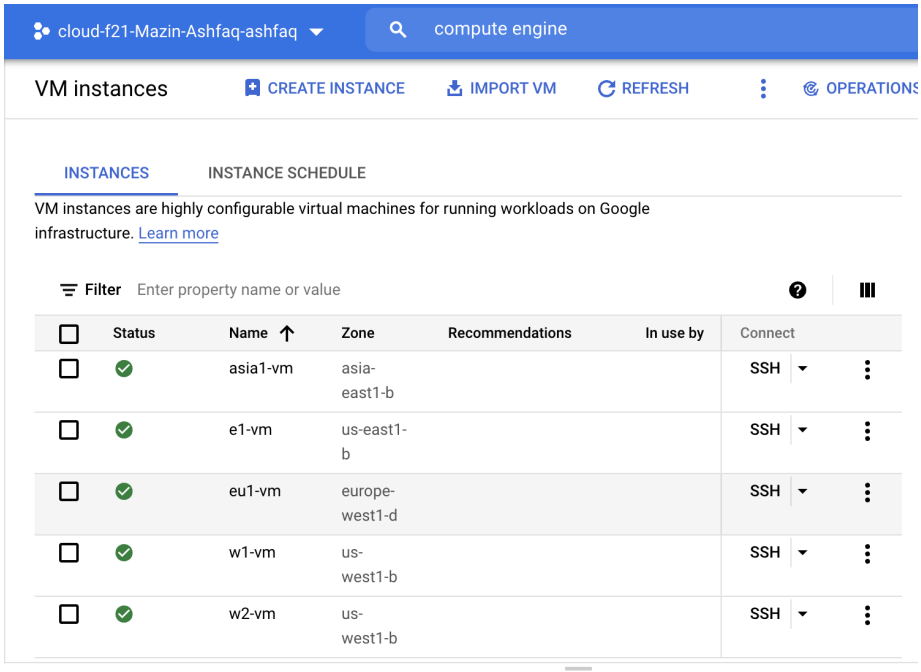
- Visit the web console for VPC network and show the network and the subnetworks that have been created. Validate that it has created the infrastructure in the initial figure. Note the number of firewall rules that are in the deployment.

No firewall rules have been deployed



Name	Region	Subnets	MTU	Mode	IP address ranges	Gateways	Firewall Rules
default		29	1460	Auto			10
networking101		5	1460	Custom			0
	europe-west1	europe-west1			10.30.0.0/16	10.30.0.1	
	us-west1	us-west1-s1			10.10.0.0/16	10.10.0.1	
	us-west1	us-west1-s2			10.11.0.0/16	10.11.0.1	
	asia-east1	asia-east1			10.40.0.0/16	10.40.0.1	
	us-east1	us-east1			10.20.0.0/16	10.20.0.1	

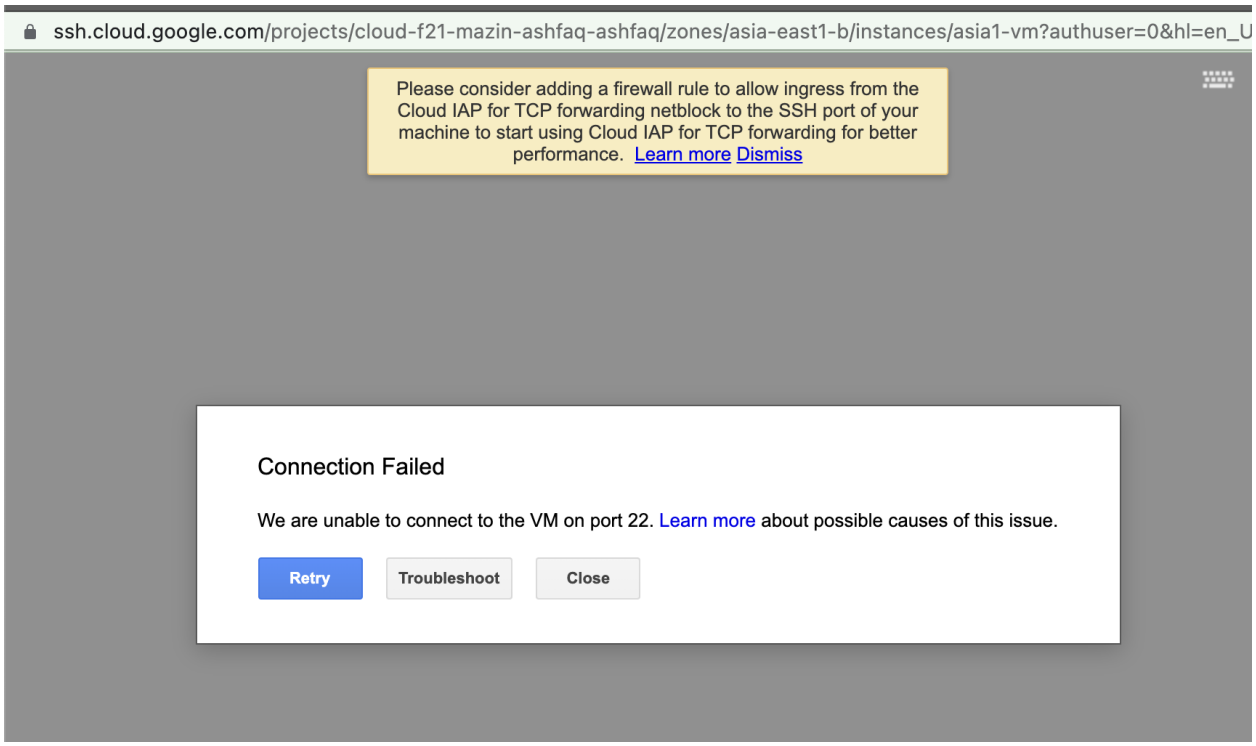
- Visit the web console for Compute Engine and show all VMs that have been created, their internal IP addresses and the subnetworks they have been instantiated on. Validate that it has created the infrastructure shown in the initial figure.



Status	Name	Zone	Recommendations	In use by	Connect
	asia1-vm	asia-east1-b			SSH
	e1-vm	us-east1-b			SSH
	eu1-vm	europe-west1-d			SSH
	w1-vm	us-west1-b			SSH
	w2-vm	us-west1-b			SSH

- Click on the ssh button for one of the VMs and attempt to connect. Did it succeed? Take a screenshot and include it in your lab notebook.

  Failed



16. Test groups

- Are the instances in the same availability zone or in different ones?

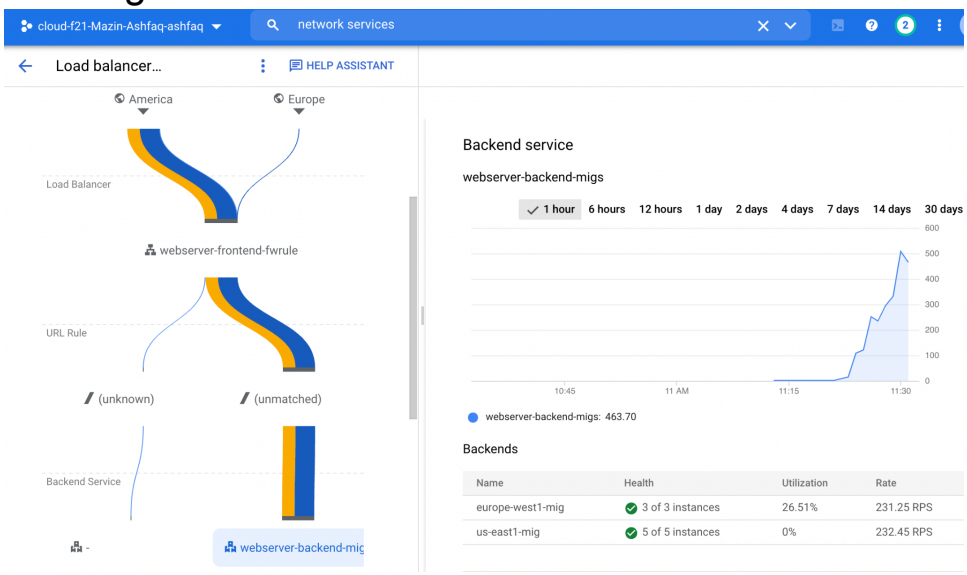
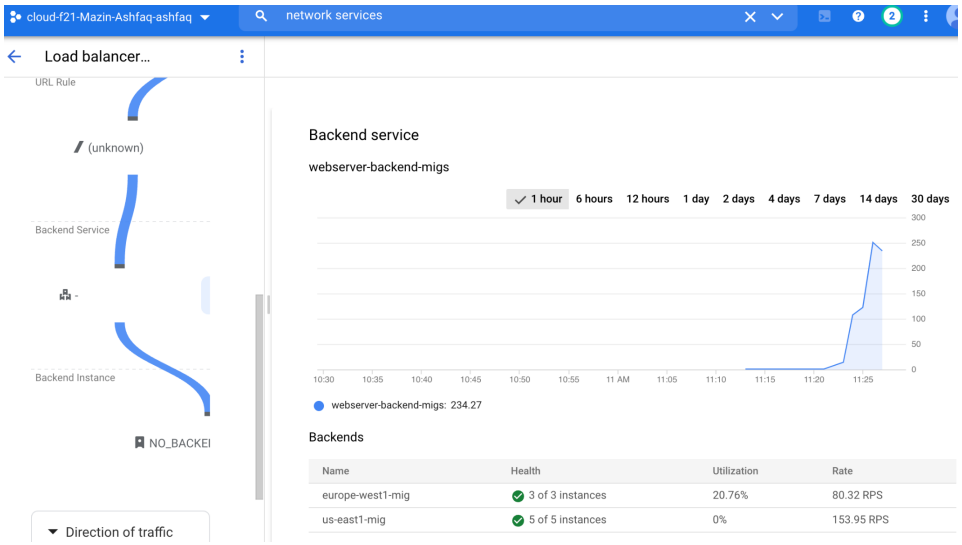
  Different zones

- List all availability zones that your servers show up in for your lab notebook.

  Us-east1-d
  europe-west1-b

19. Test load balancer

- Which region does the server handling your request reside in?

  us-east1-d

20. Siege!