Week 10 lab
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10.1 CDN

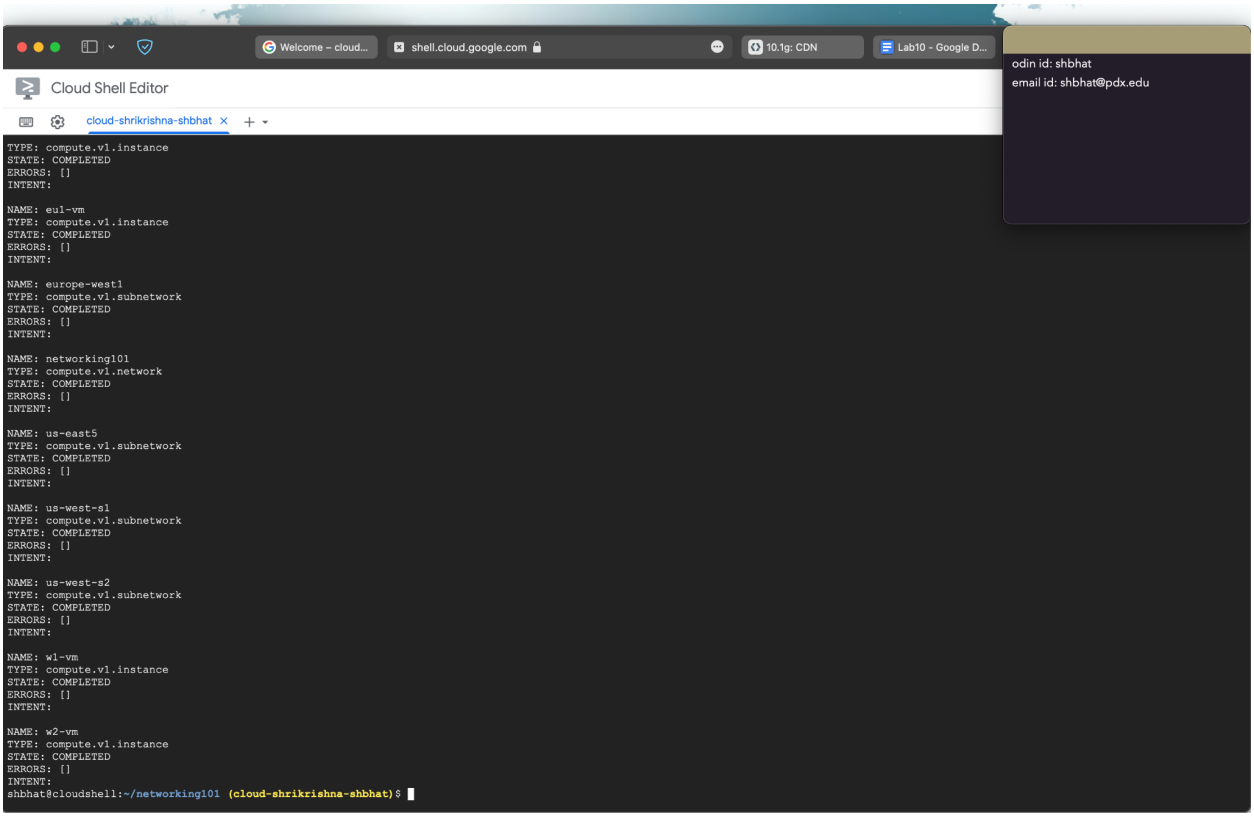
Card 6 - Deployment

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

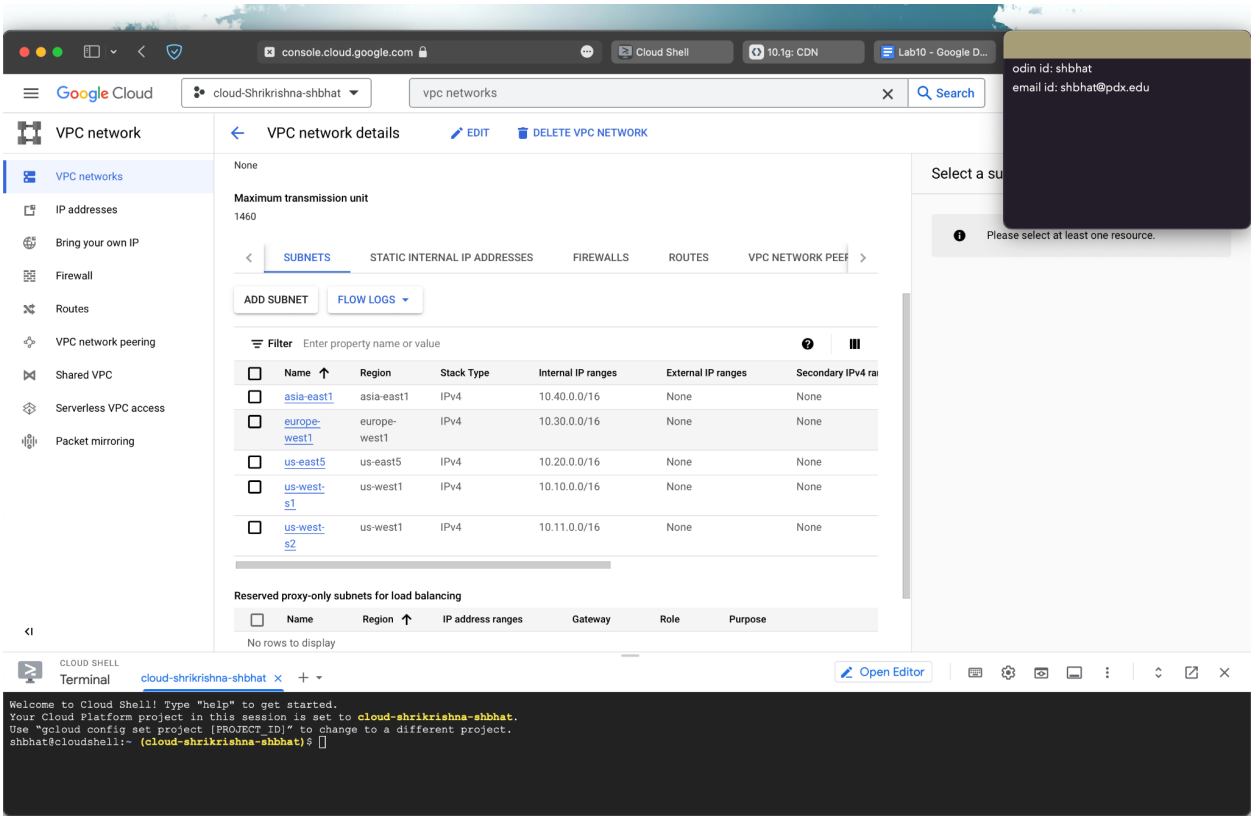
1 Network

5 Subnetwork

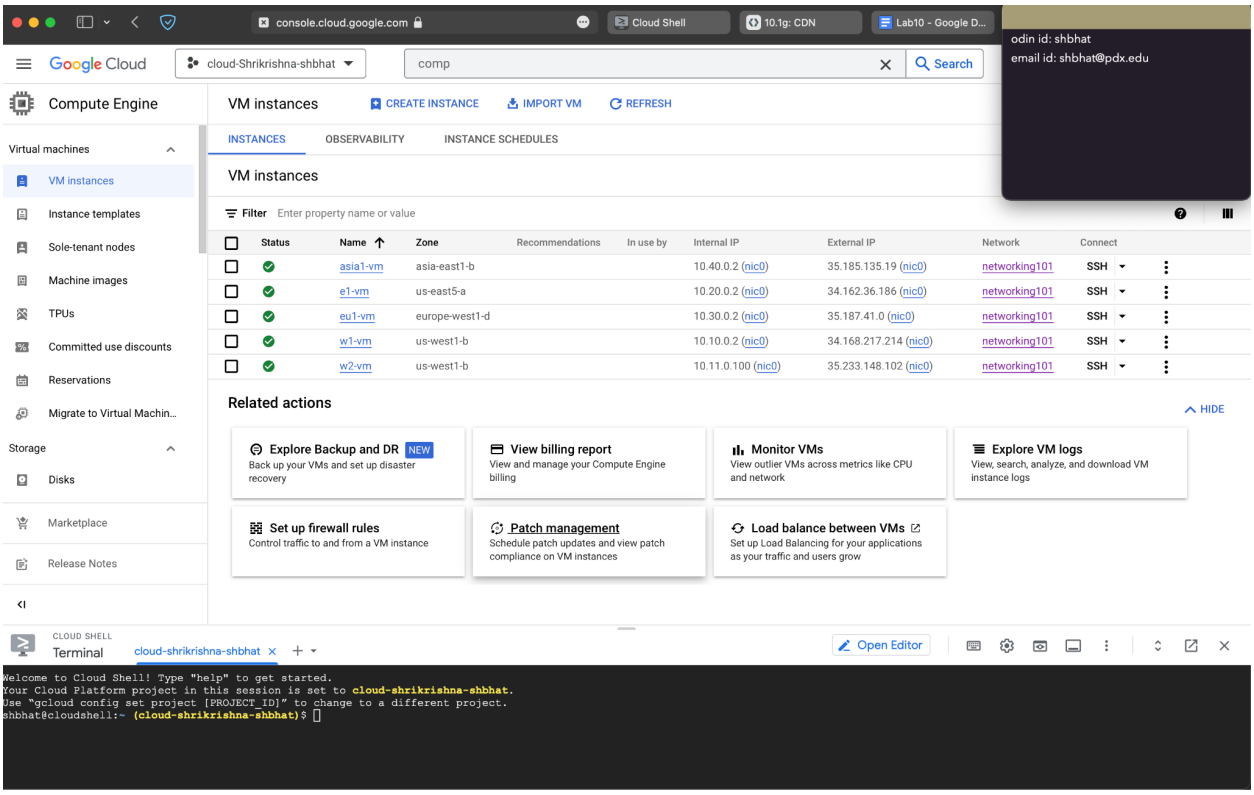
5 VM



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 lack of firewall rules that have been created.



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.

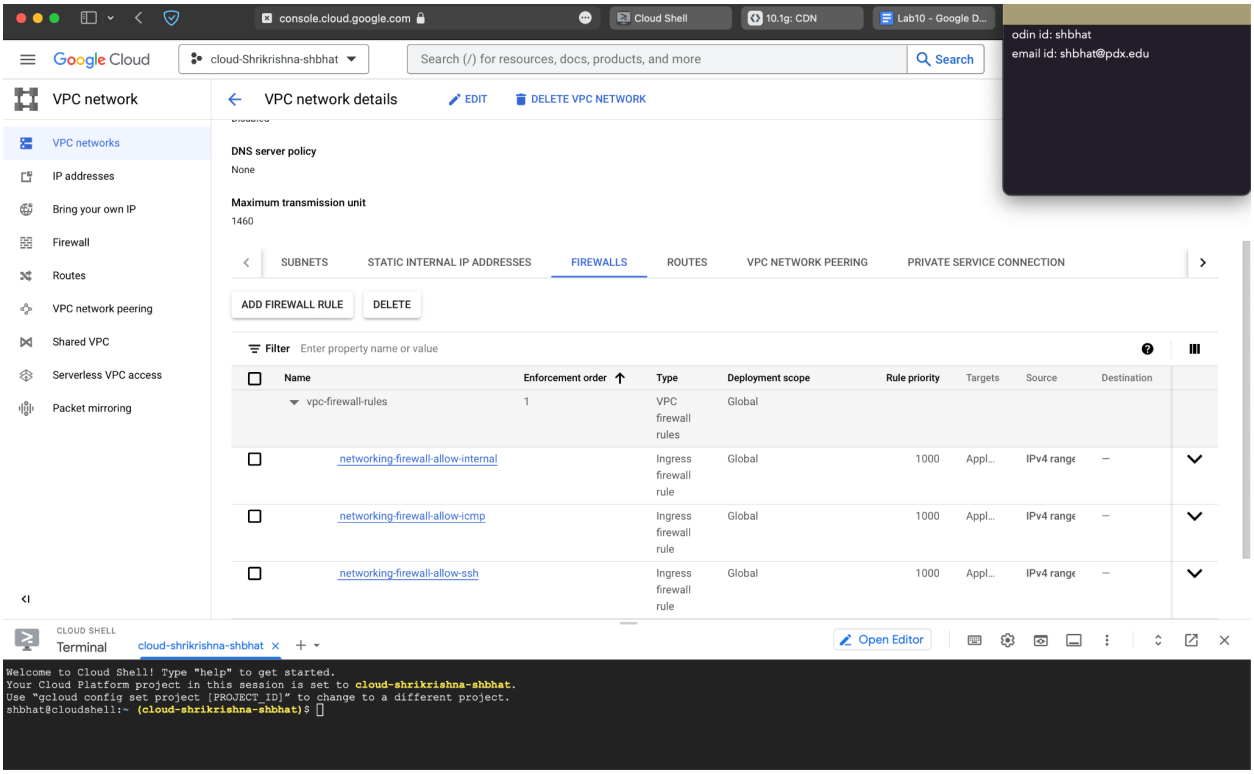


Click on the ssh button for one of the VMs and attempt to connect. Did it succeed?

It failed to connect.

Card 8 – Update deployment

Take a screenshot that indicates the new rules have been deployed.



Card 9 – Latency measurements

Given this, fill in the table with the measured latencies between the 6 pairs and include it in your lab notebook. Use the shortest latency measured for each pair.

Location pair	**Ideal latency**	**Measured latency**
us-west1 us-east5	45	49.47
us-west1 europe-west1	93	134.48
us-west1 asia-east1	114	116.20
us-east5 europe-west1	76	97.02
us-east5 asia-east1	141	165.54
europe-west1 asia-east1	110	249.90

Card 16 – Test groups

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

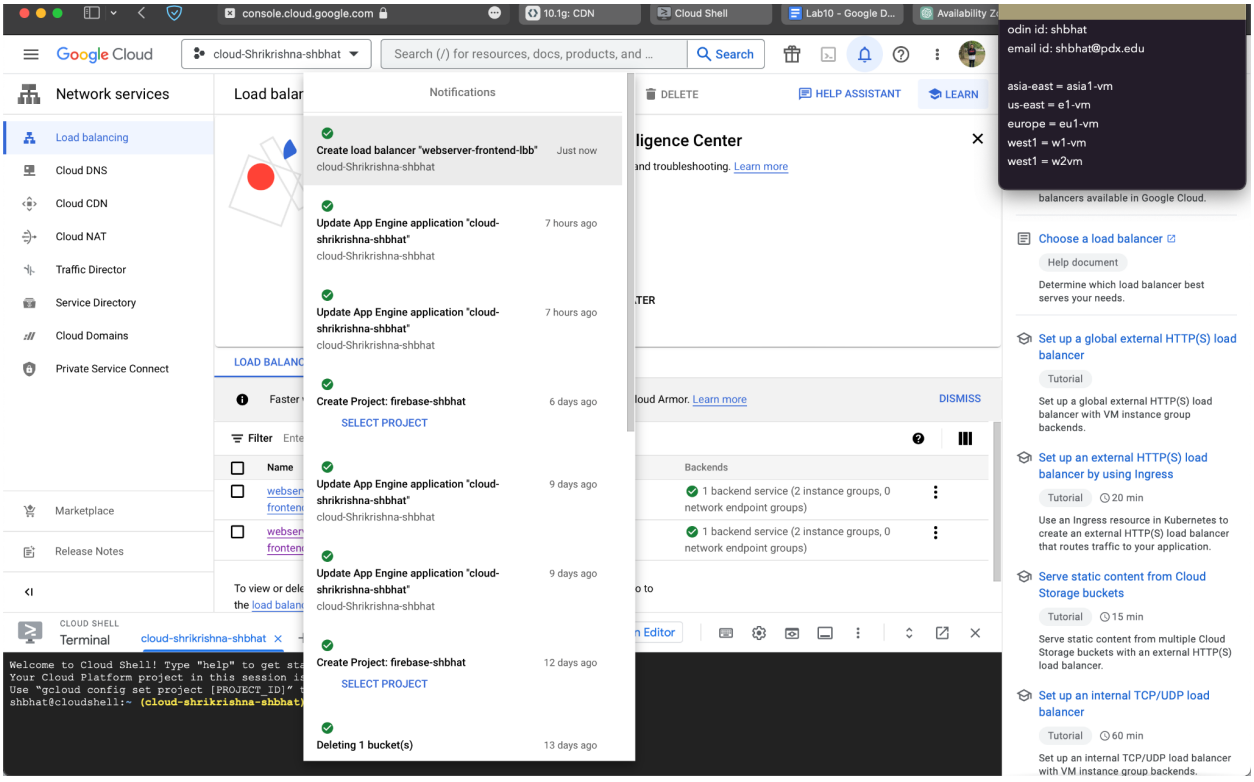
Different zones

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

Europe-west1-b, Europe-west1-c, Europe-west1-d, us-east5-a

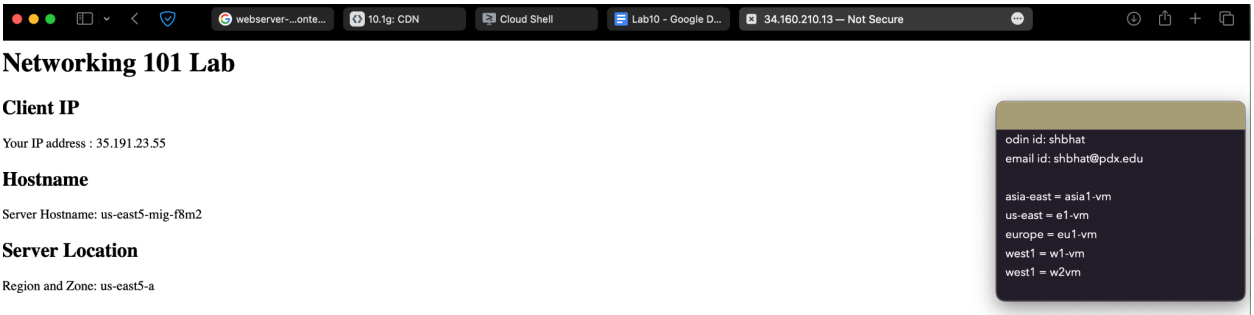
Card 19 – Test Load balancer

Show a screenshot of the page that is returned. If you get an error, you may need to wait several minutes for the load balancer to finish deploying.



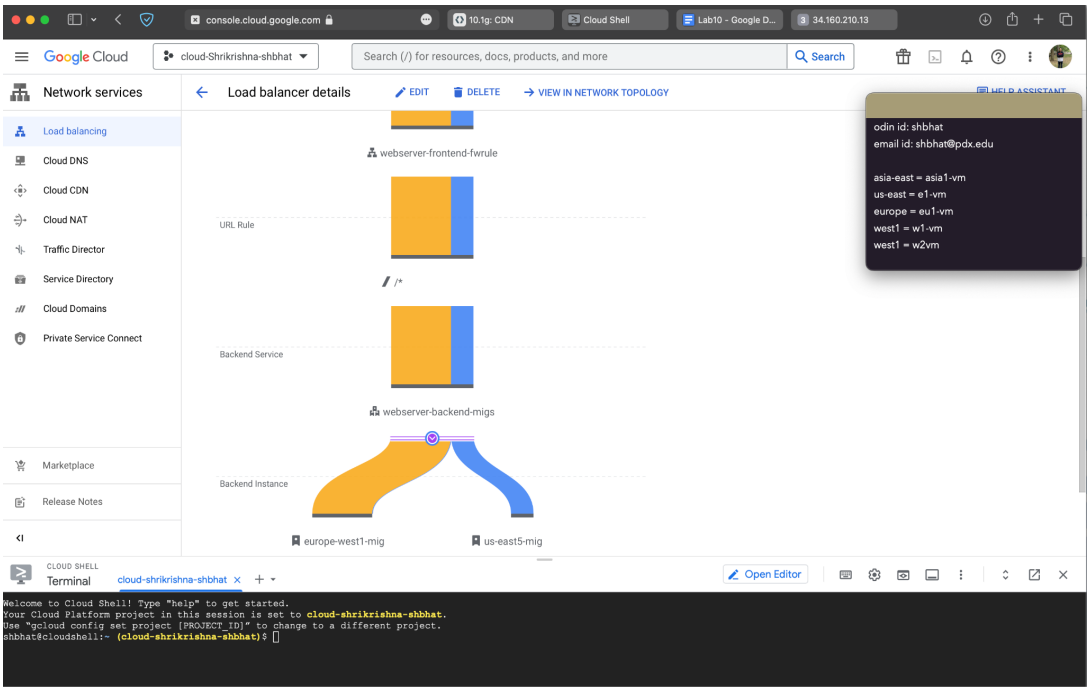
Which availability zone does the server handling your request reside in?

us-east5-a

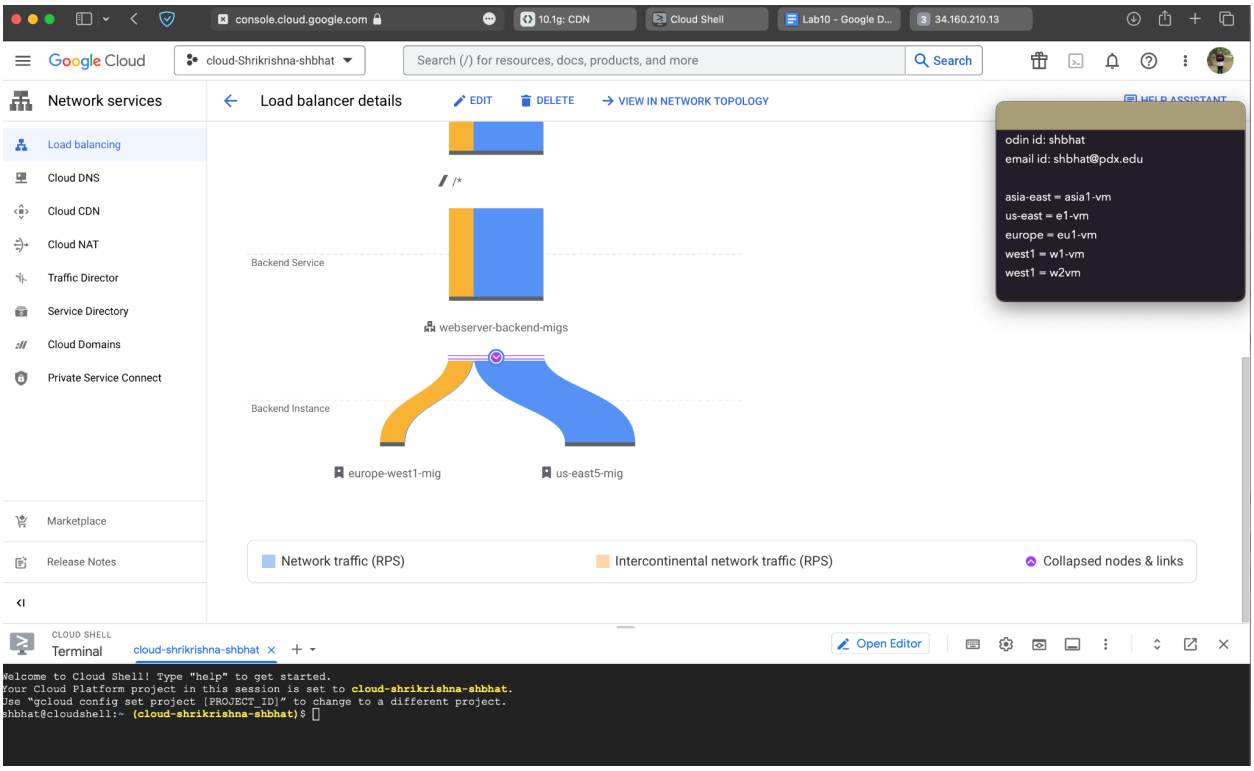


Card 20 – Siege part 1

Take a screenshot of the initial traffic distribution



Take a screenshot of the UI as additional instances are brought up and show that the traffic distribution shifts



Card 21 – Siege part 2

Show a screenshot of the final traffic distribution.