Lab notebook Week 10

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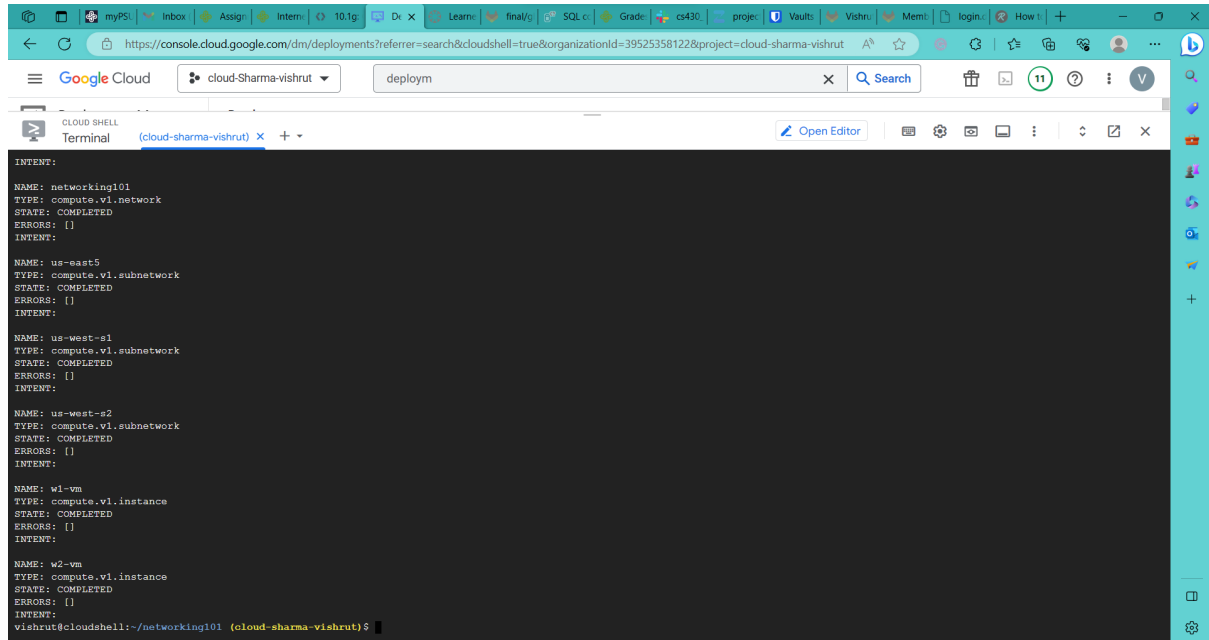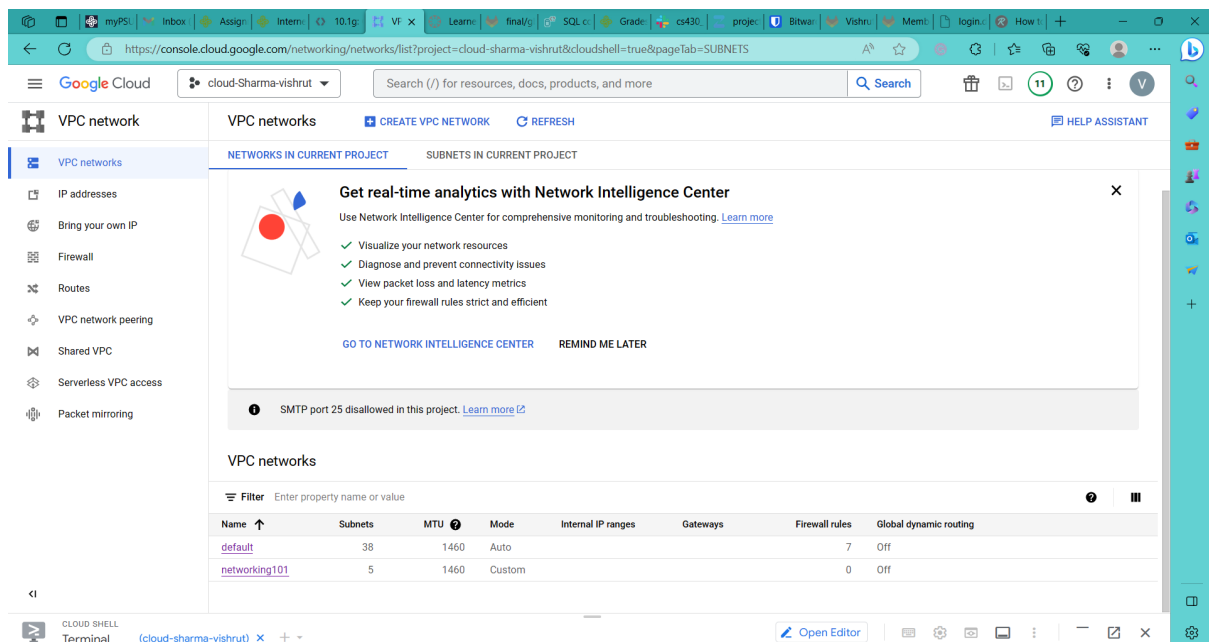## Table of Contents

10.1g: CDN

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 subnetworks, and 5 VM instances have been created

- **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?**

<u>**Answer**</u>: It failed due to the lack of firewall rules.

8. Update deployment

- **Take a screenshot that indicates the new rules have been deployed**

9. Latency measurements

Location pair	Ideal latency	Measured latency
us-west1 us-east5	~45 ms	49.381
us-west1 europe-west1	~93 ms	134.537
us-west1 asia-east1	~114 ms	120.289
us-east5 europe-west1	~76 ms	96.280
us-east5 asia-east1	~141 ms	163.255
europe-west1 asia-east1	~110 ms	247.790

16. Test groups

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

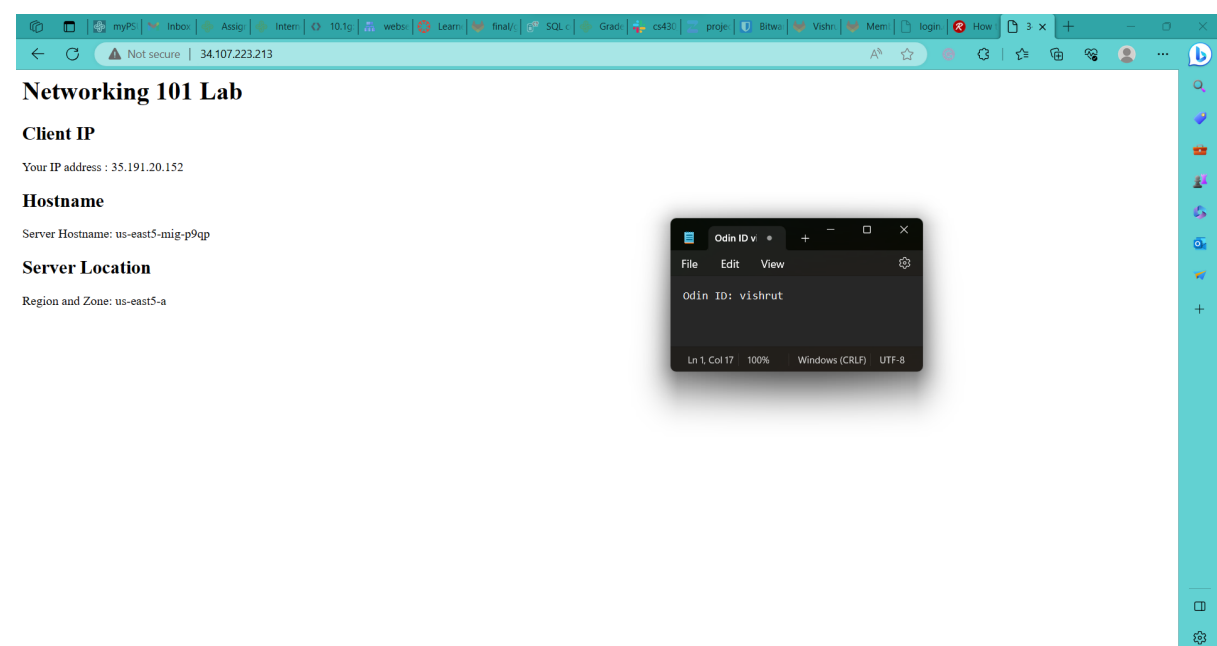**Answer**: They are in different zones.

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

Answer: us-east5-a, europe-west1-d, europe-west1-b, europe-west1-c
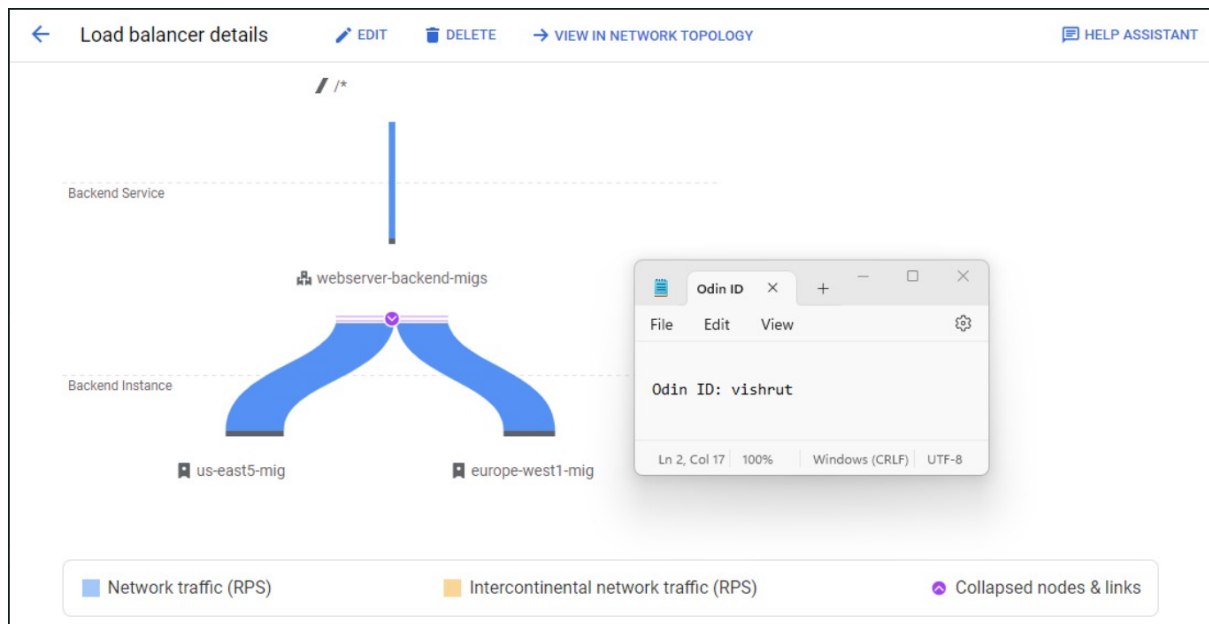
19. Test load balancer

- **Which availability zone does the server handling your request reside in?**
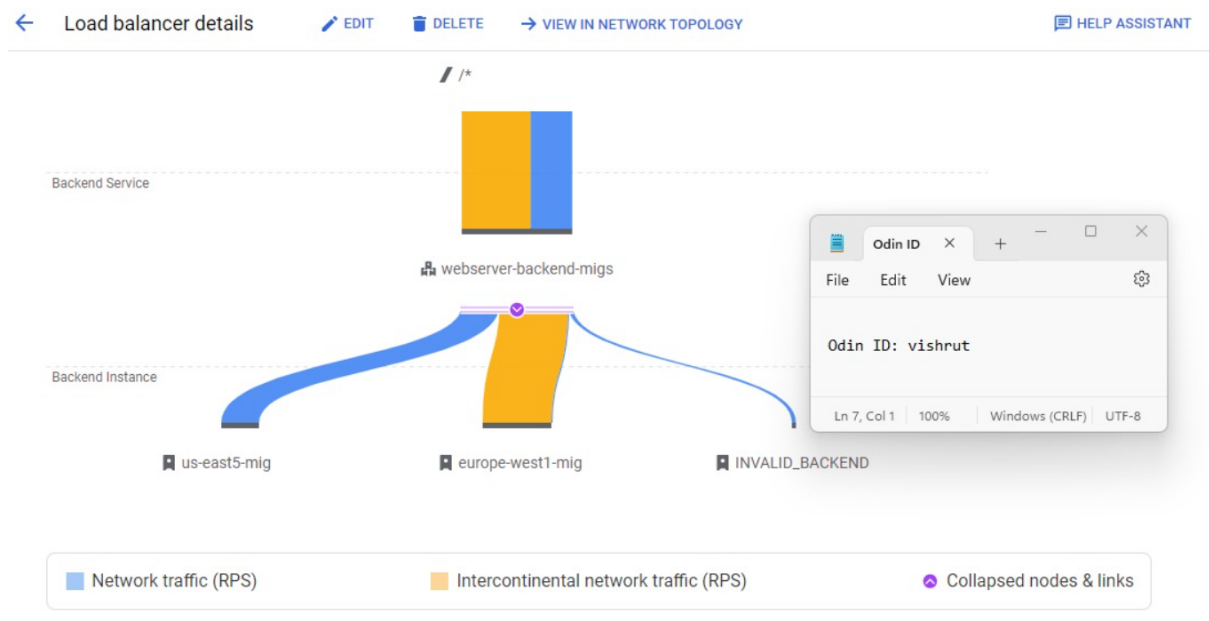
Answer: It resides in us-east5-a

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**

21. Siege! (Part 2)

- **Show a screenshot of the final traffic distribution.**