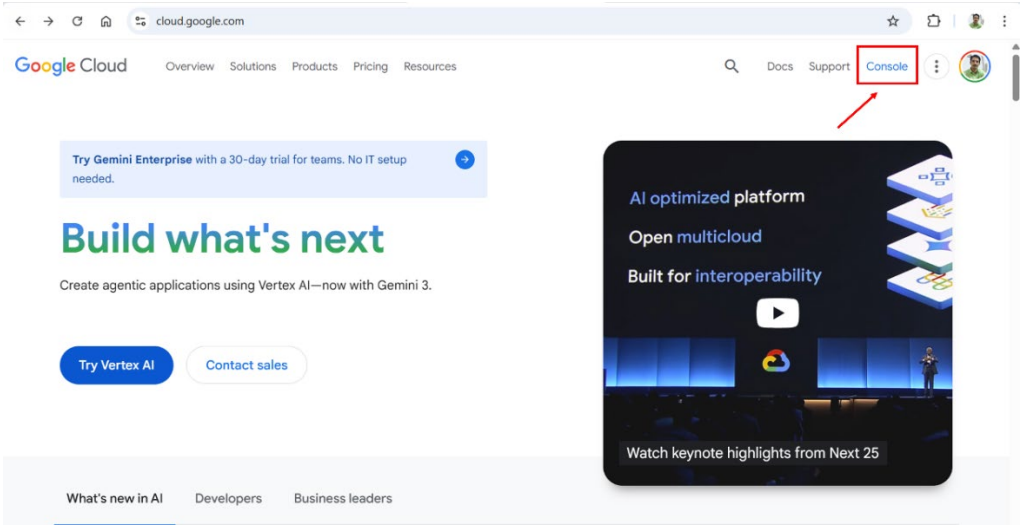
CLOUD COMPUTING LABORATORY

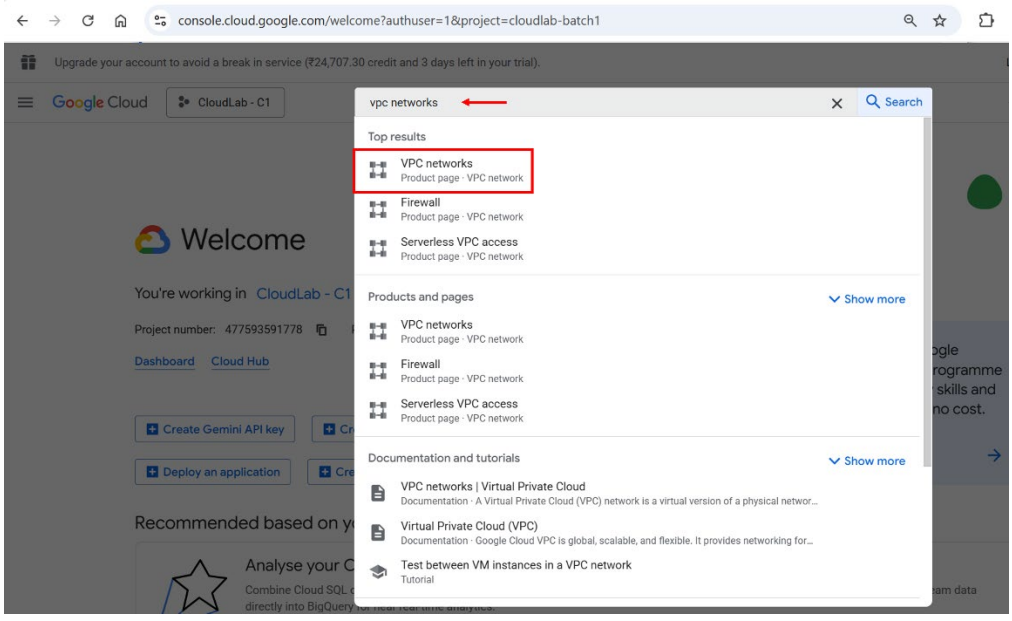
Experiment – 8:

Explore benefits of using multiple VPC networks in Google Cloud for organizing and isolating resources.

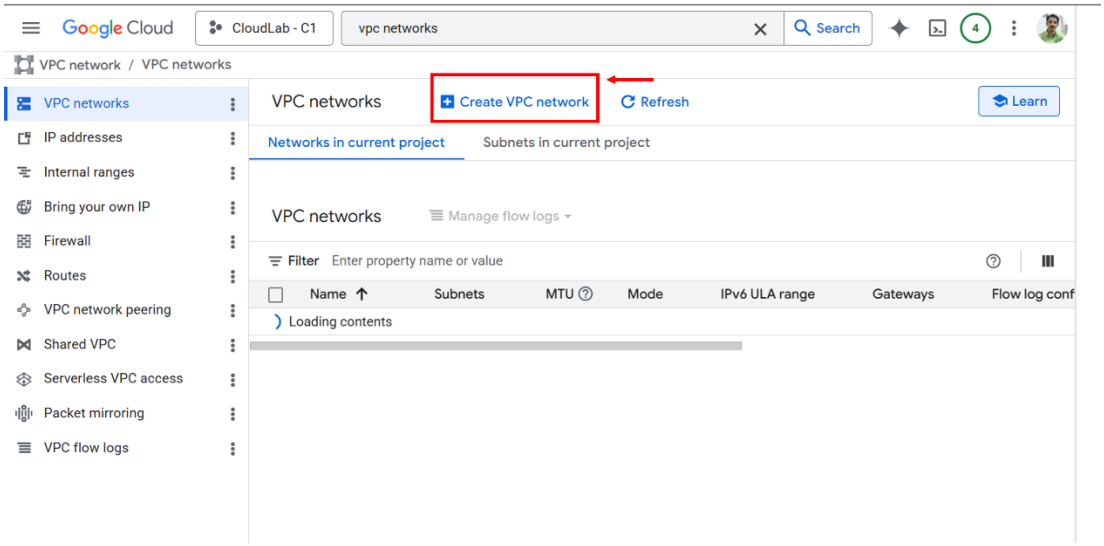
Step 1: From the Google Cloud homepage, click on **Console** to open the Google Cloud Console.



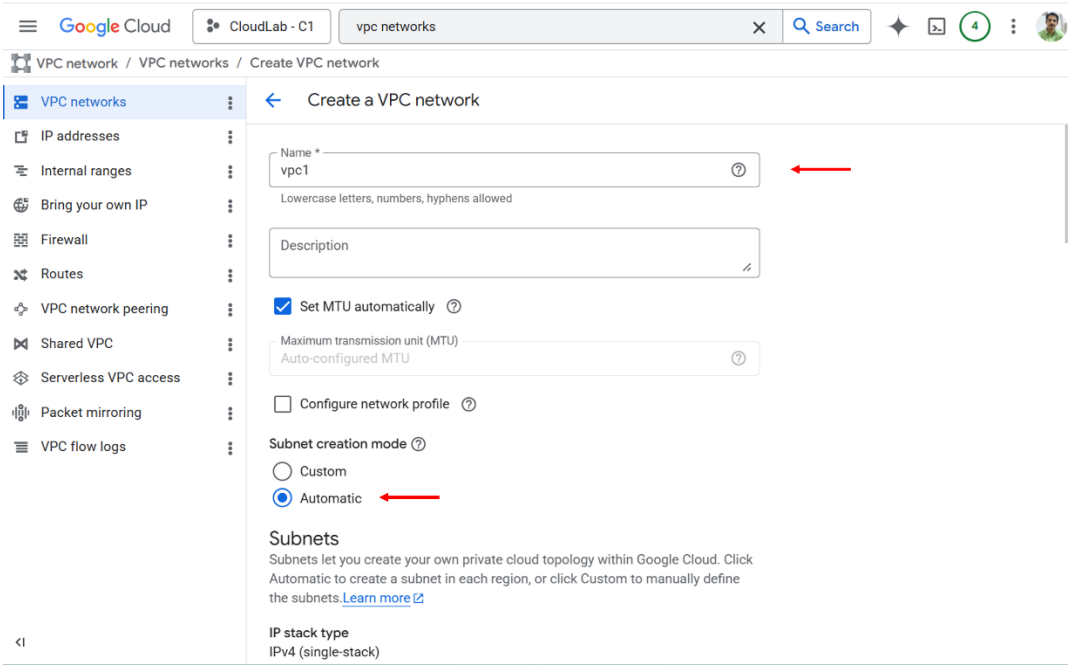
Step 2: In the Google Cloud Console search bar, type **VPC networks** and select **VPC networks** from the search results.



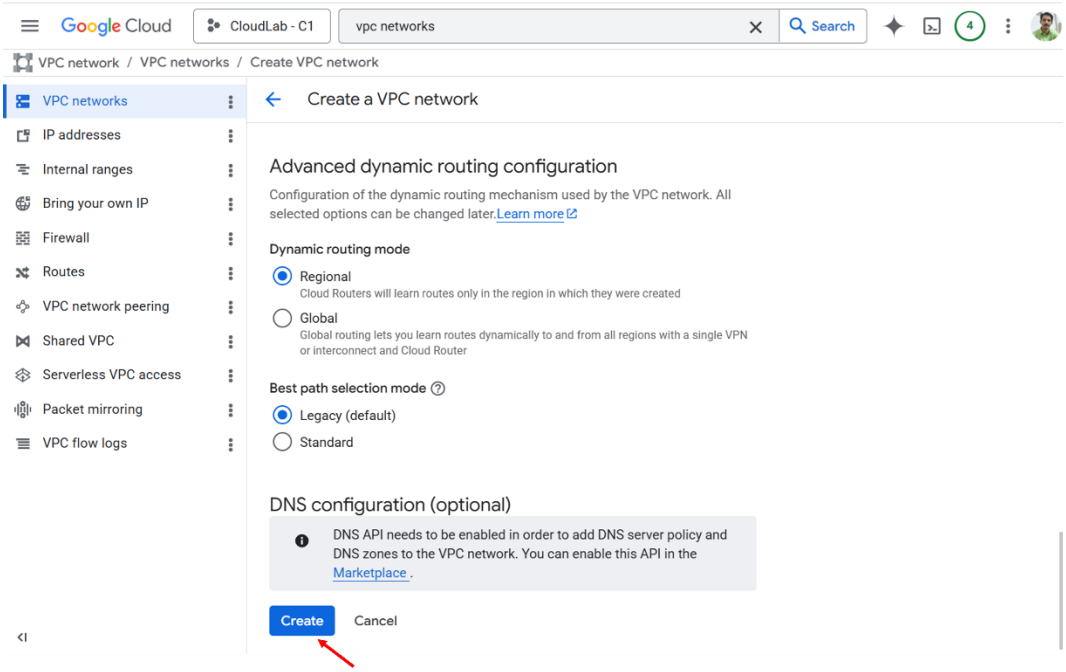
Step 3: On the VPC networks page, click **Create VPC network** to create a new network.



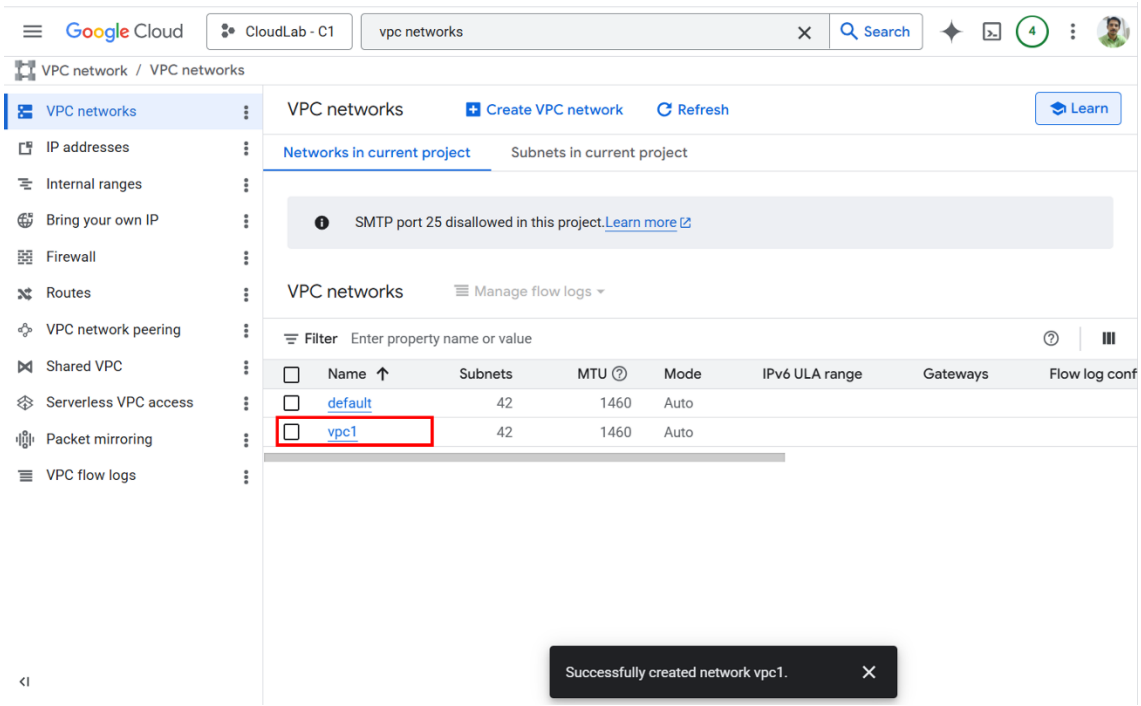
Step 4: Enter the VPC name as **vpc1**, keep the subnet creation mode as **Automatic**, and click **Create**.



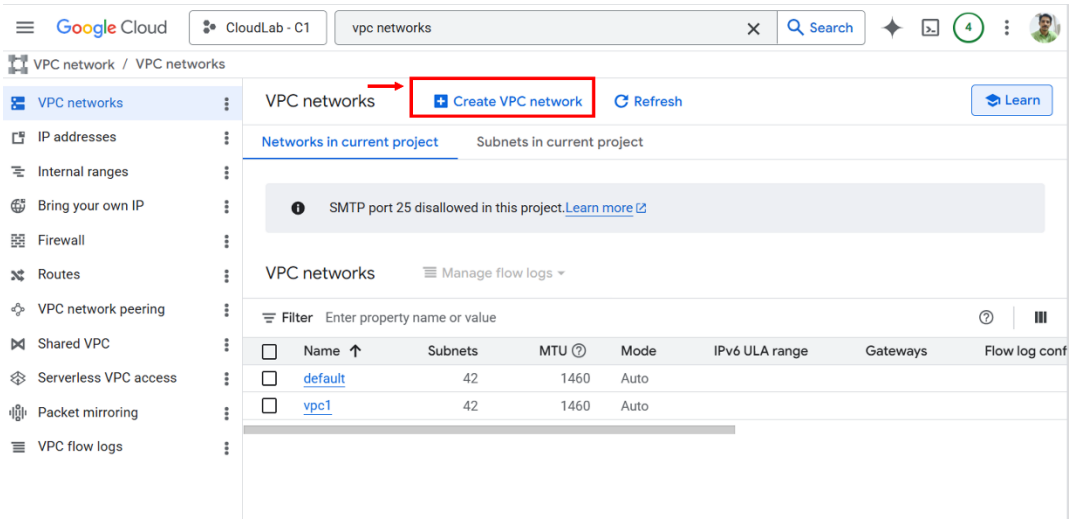
Step 5: Keep the dynamic routing mode as **Regional** and best path selection mode as **Legacy (default)**. Click **Create** to create the VPC network.



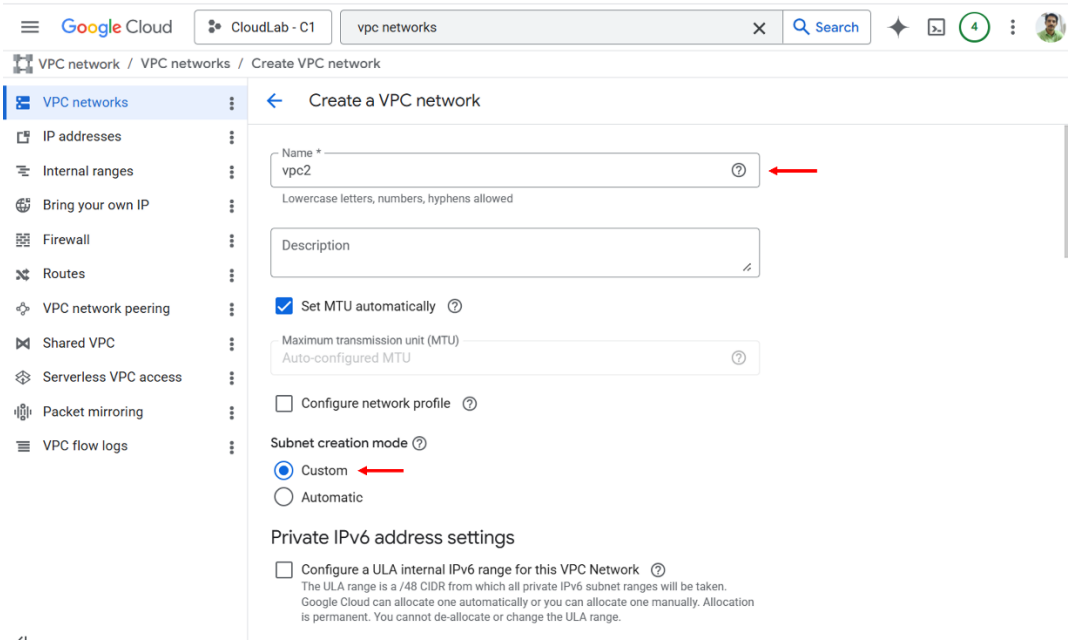
Step 6: Verify that **vpc1** is successfully created and listed under **VPC networks**.



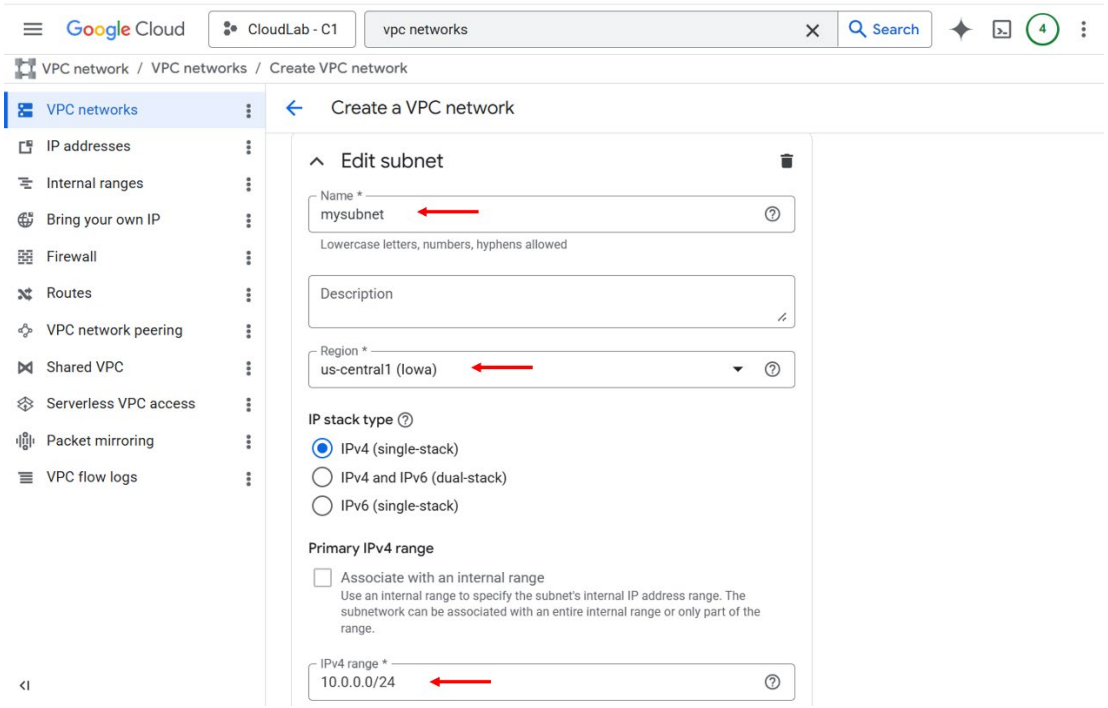
Step 7: Click **Create VPC network** again to create another VPC network.



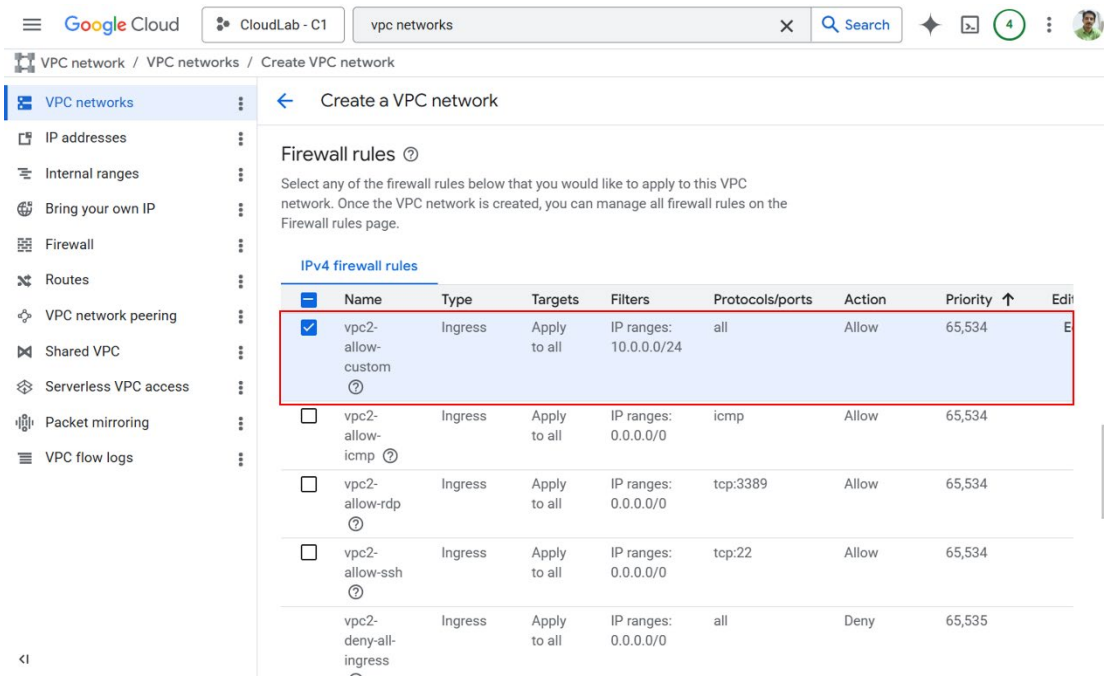
Step 8: Enter the VPC name as **vpc2** and select **Custom** under subnet creation mode.



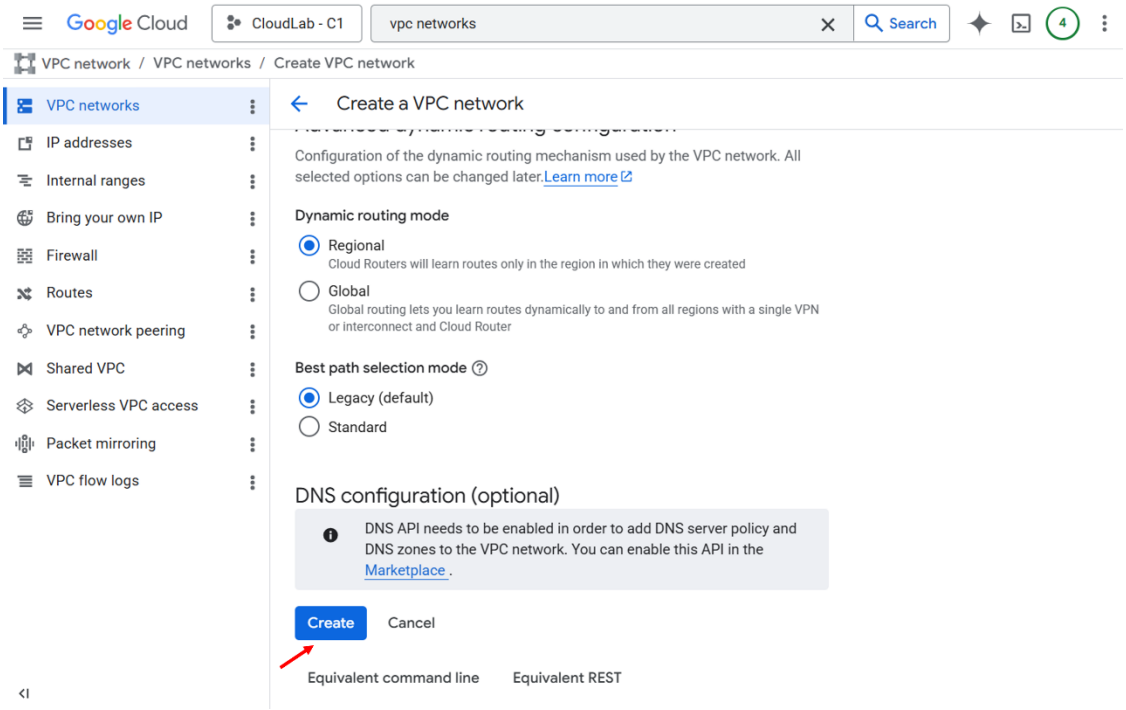
Step 9: Enter the subnet name as **mysubnet**, select the region as **us-central1 (Iowa)**, and set the IPv4 range as **10.0.0.0/24**.



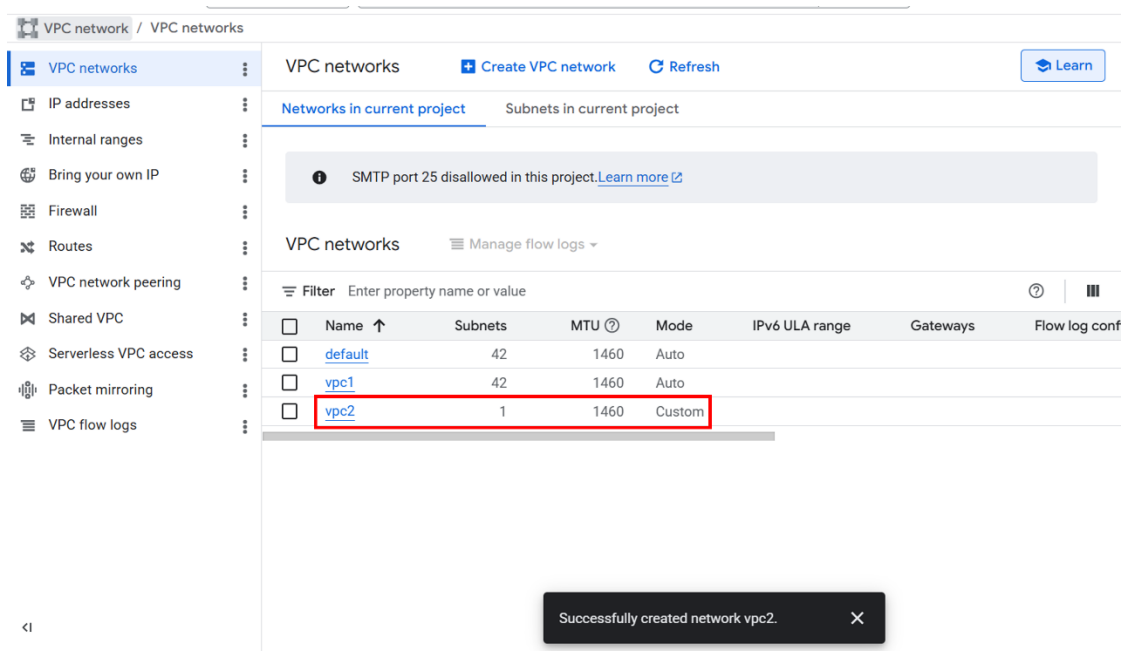
Step 10: Select the required firewall rule for the custom subnet.



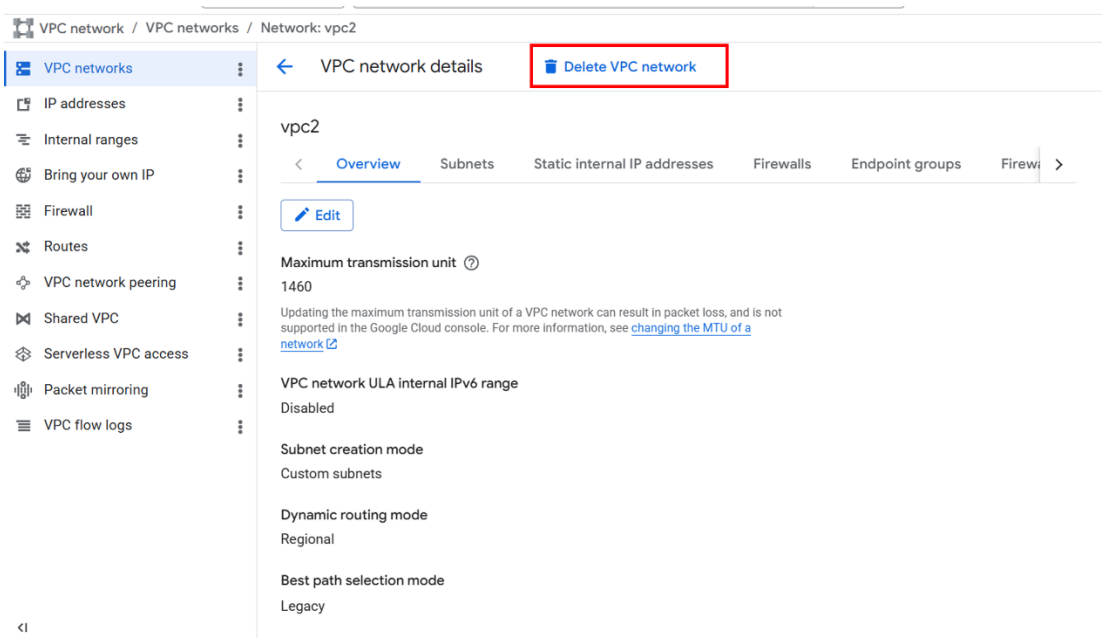
Step 11: Keep the dynamic routing mode as **Regional** and best path selection mode as **Legacy (default)**, then click **Create**.

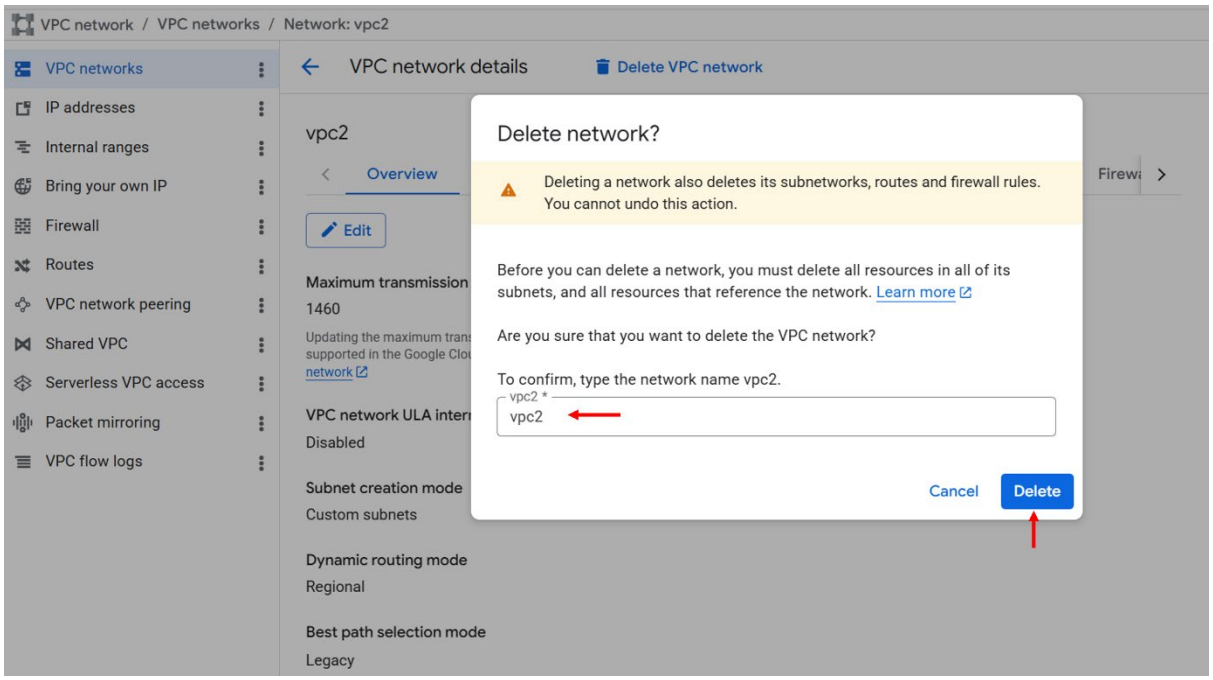


Step 12: Verify that **vpc2** is successfully created and listed under **VPC networks** with custom subnet mode.



Step 13: Open **vpc2**, click **Delete VPC network**, type **vpc2** for confirmation, and click **Delete**.





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