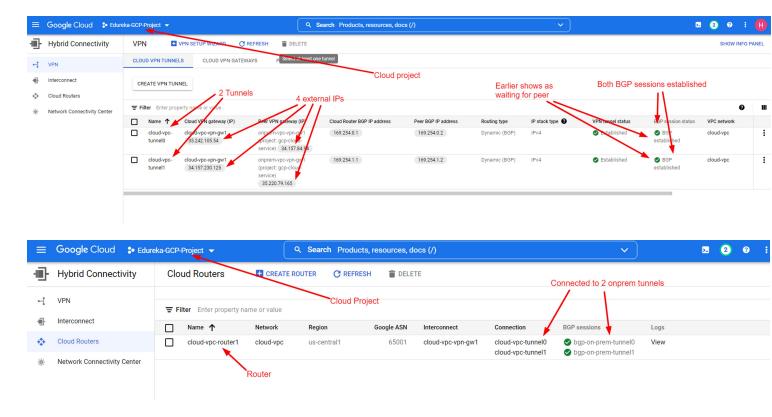
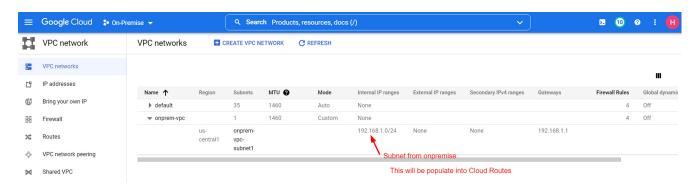
14-3 - Cloud VPN HA + BGP - Verification Steps - 10 min

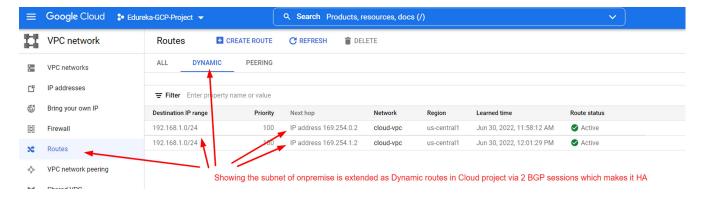
30 June 2022 17:14

Switch to Cloud project and check the Routers and VPN tunnels - They should show Green button established

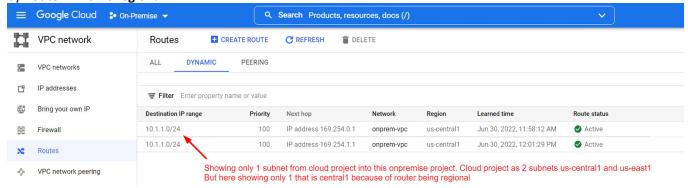


SSH into cloud VM and Ping to private IP of onprem VM - It should work SSH into onprem VM and Ping to private IP of cloud VM - It should work

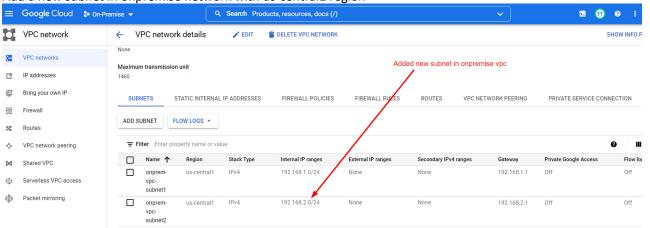




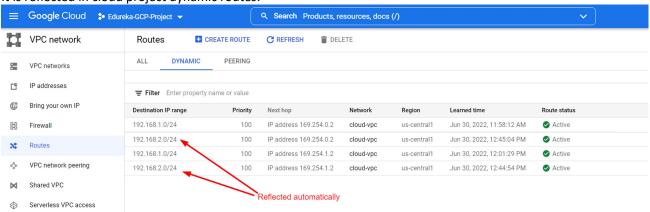
Vice-versa is also true for the given region only because the routes are controlled by **Router which is regional.**



Add a new subnet in onpremise network with us-central1 region



It is reflected in cloud project dynamic routes:



Vice-versa is also true.

How can we make router to see all the regions and advertise them automatically?

We need to update the cloud router routing node as GLOBAL (default regional) Check before: Shows routingMode: REGIONAL and x_gcloud_bgp_routing_mode: REGIONAL

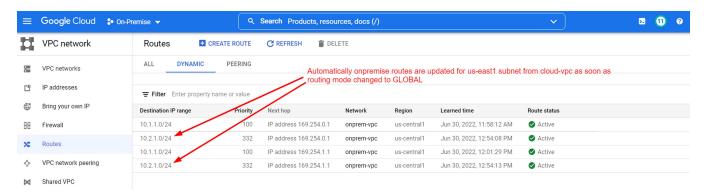
gcloud compute networks describe cloud-vpc

Update routing mode:

gcloud compute networks update cloud-vpc --bgp-routing-mode GLOBAL

Now it shows: routingMode: GLOBAL and x_gcloud_bgp_routing_mode: GLOBAL

Check the us-east1 subnet route is reflected in onpremise dynamic routes:



Quick Question - Can I create a VM using the new subnet created in on-premise VPC? - No, because it is not shared. Only the routes are made available to that subnet from this cloud vpc dynamically using BGP session.

What happens if I delete one of the tunnel:
Go to Cloud project and delete the tunnel0
Check the ping from cloud vm to onprem vm -> It should still work because it is
HA