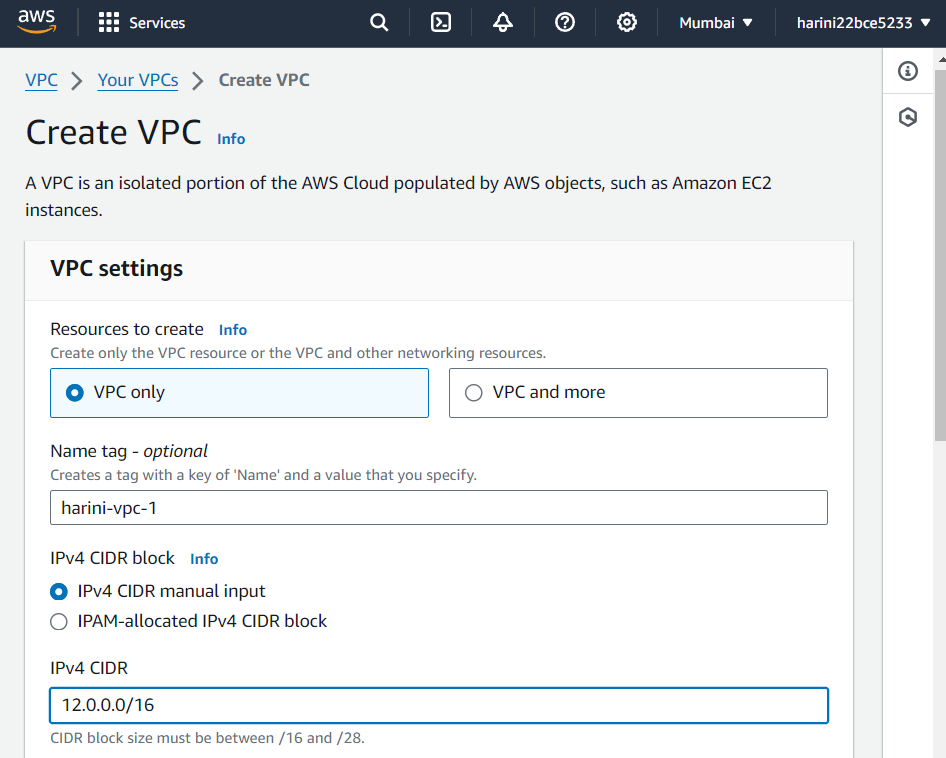
**VPC PEERING**

**Submitted by**

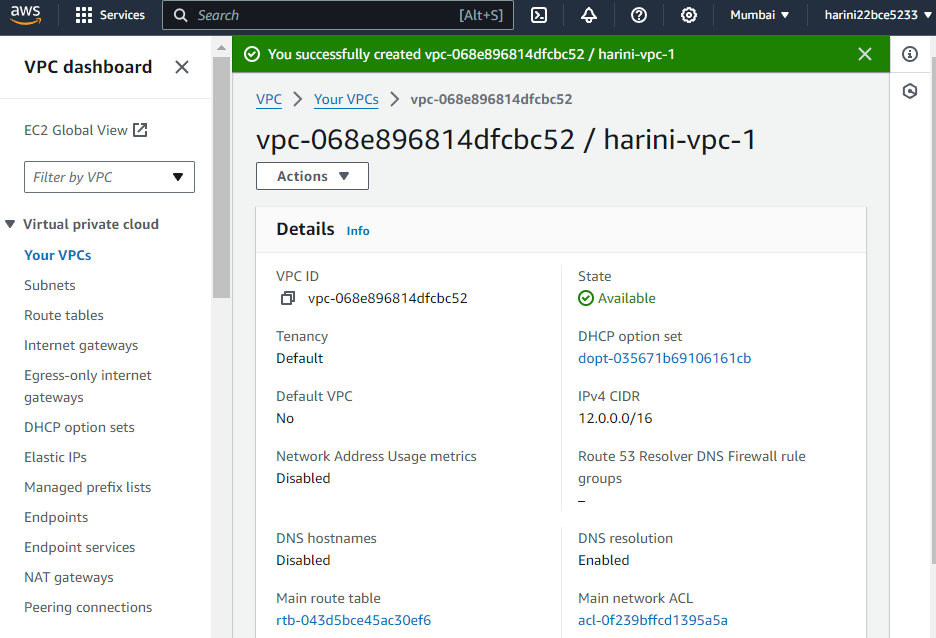
**HARINI L**

**(22BCE5233)**

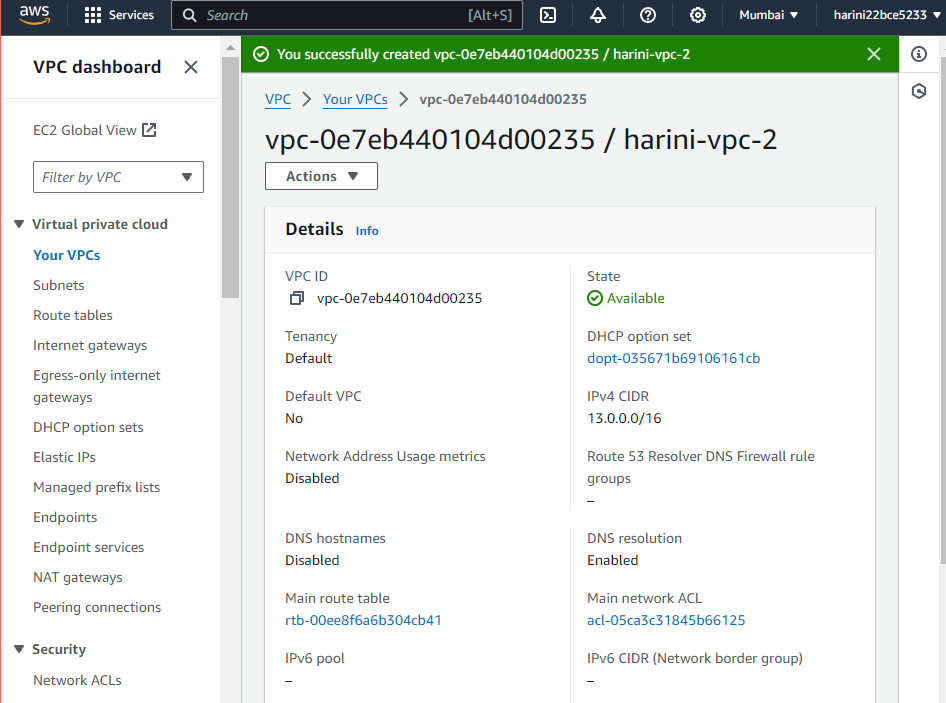
Create VPC with IPv4 CIDR- 12.0.0.0/16

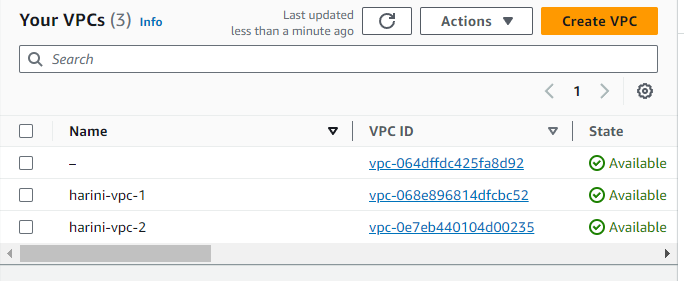


Successfully created VPC- my\_vpc

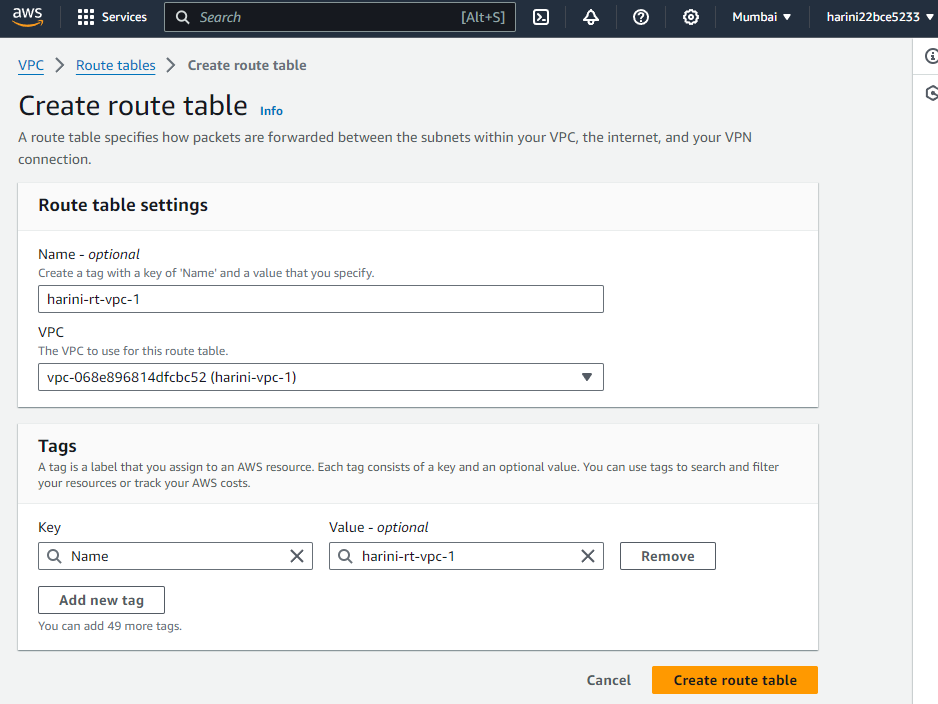


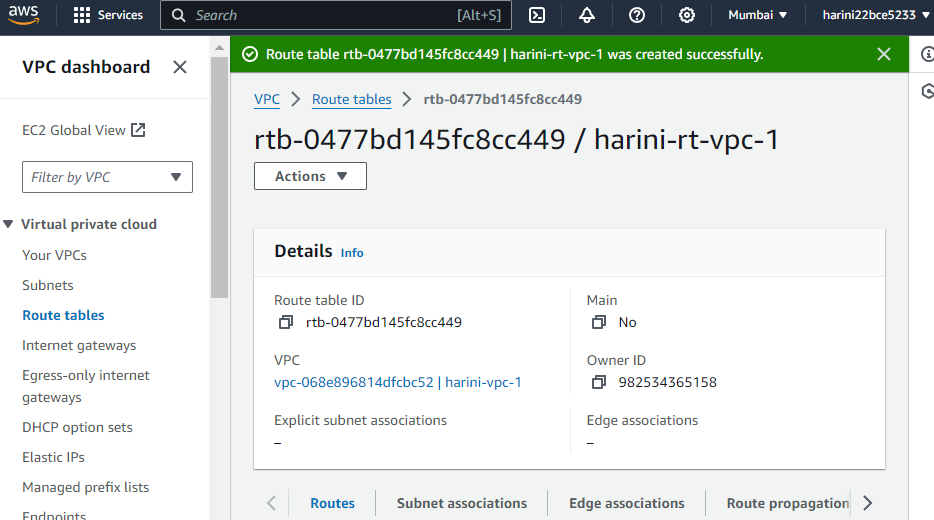
Creating two separate VPCs is essential for managing different environments. The process includes defining CIDR ranges for each VPC to avoid IP conflicts.

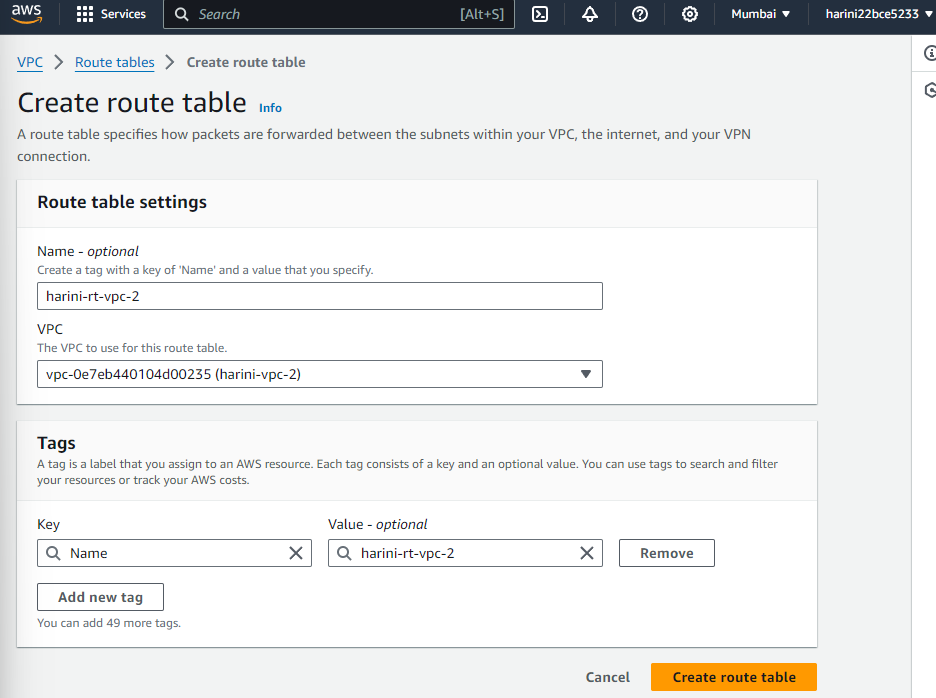


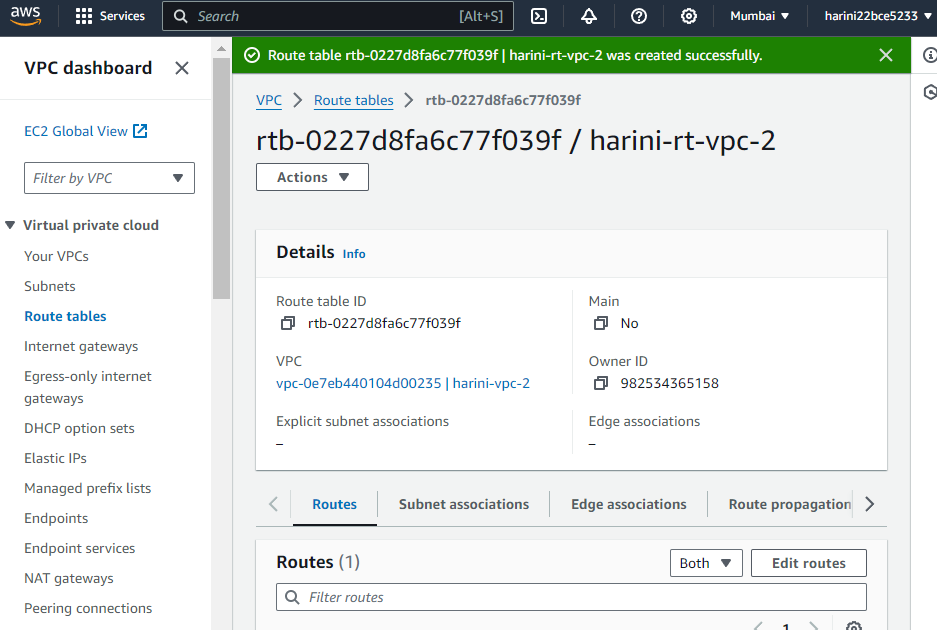


Two route tables are created to ensure proper routing for each individual VPC.

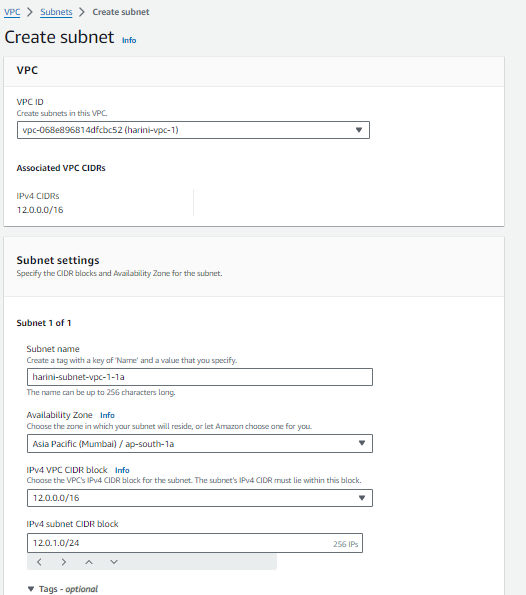


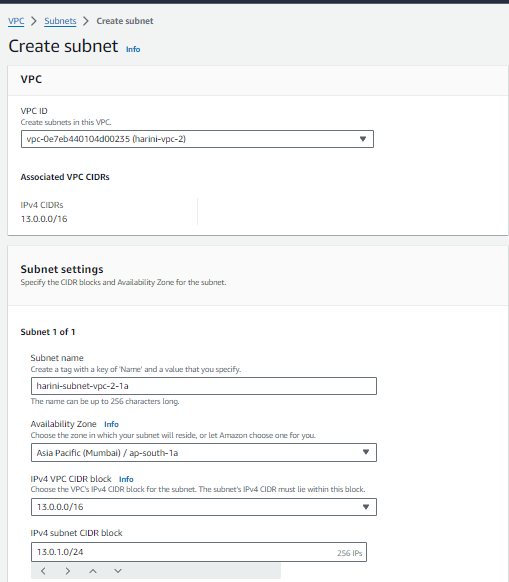


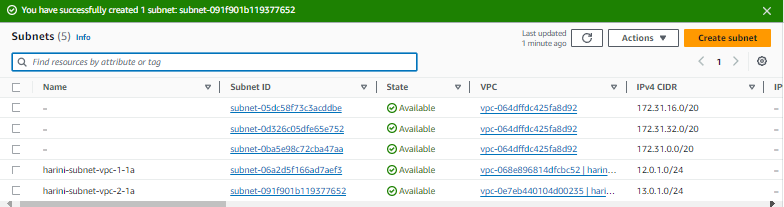


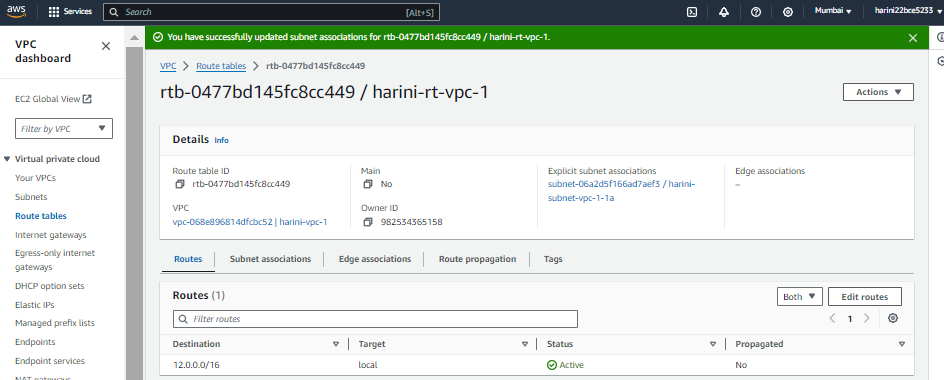


Creating subnets in a VPC involves specifying IP address ranges and associating route tables for proper network management. This process ensures that resources within the VPC can communicate effectively.

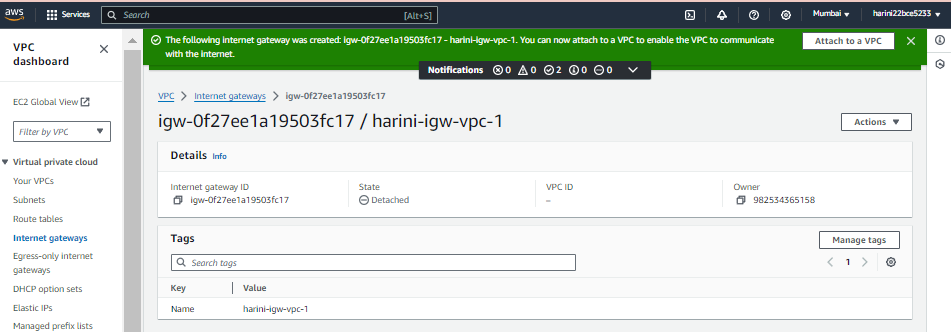


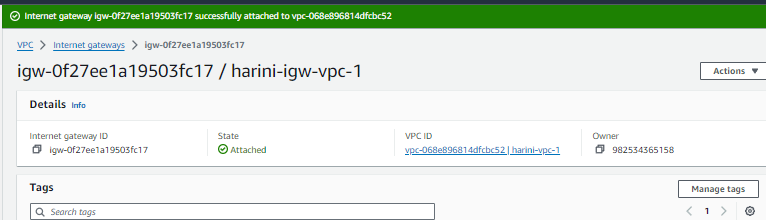


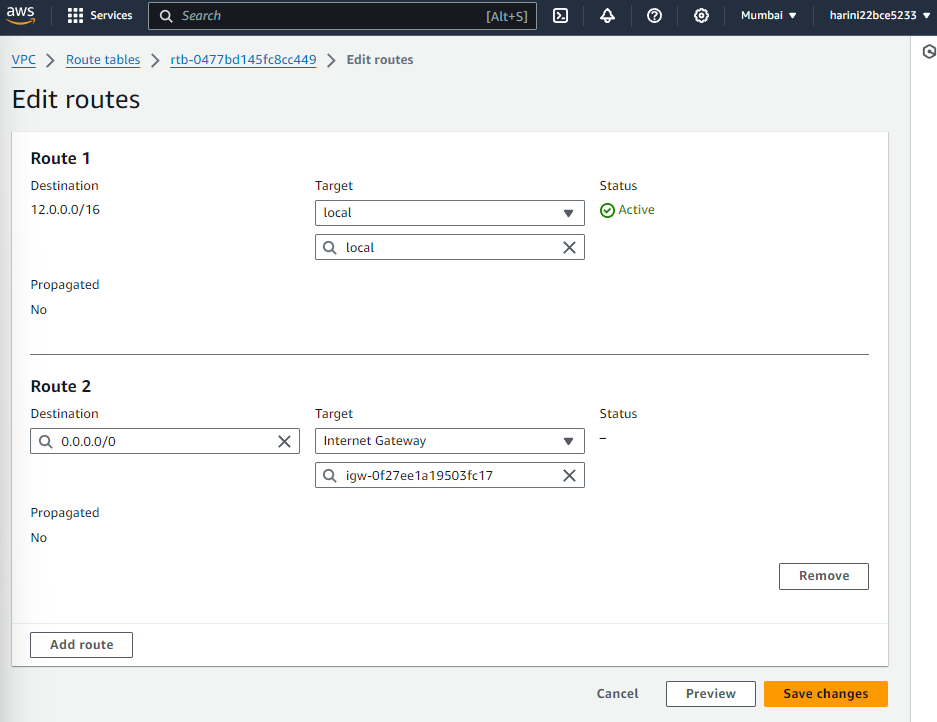


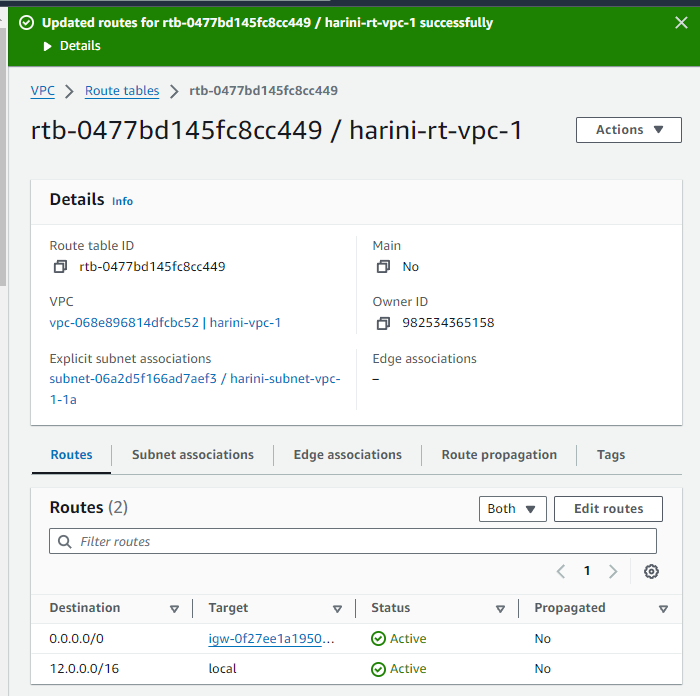


Attaching an internet gateway to a VPC is essential for enabling internet access. This allows resources within the subnet to communicate with external networks.

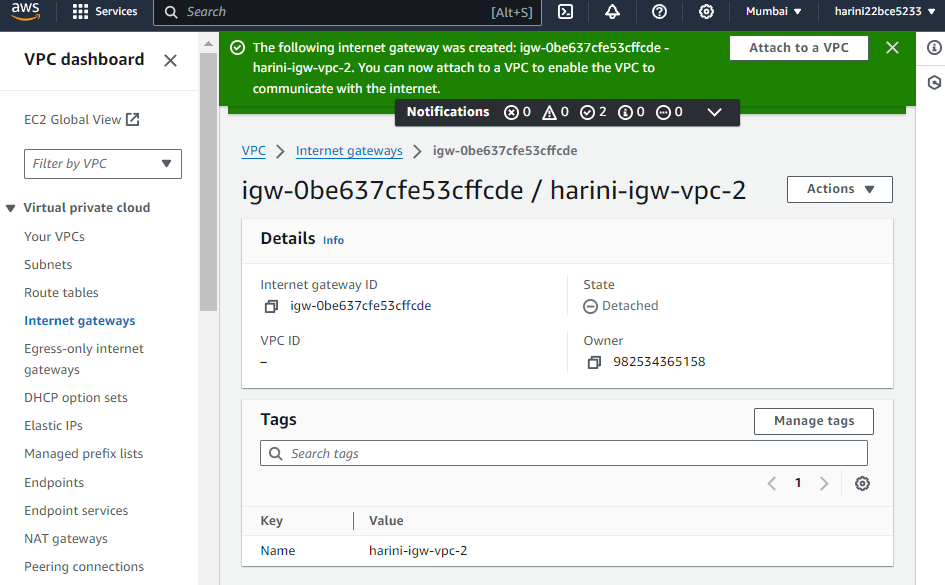


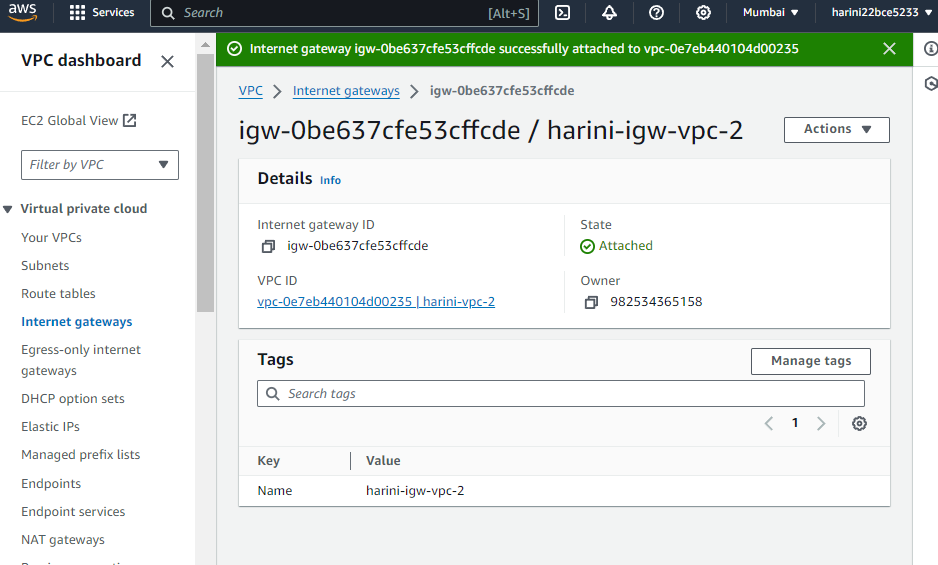


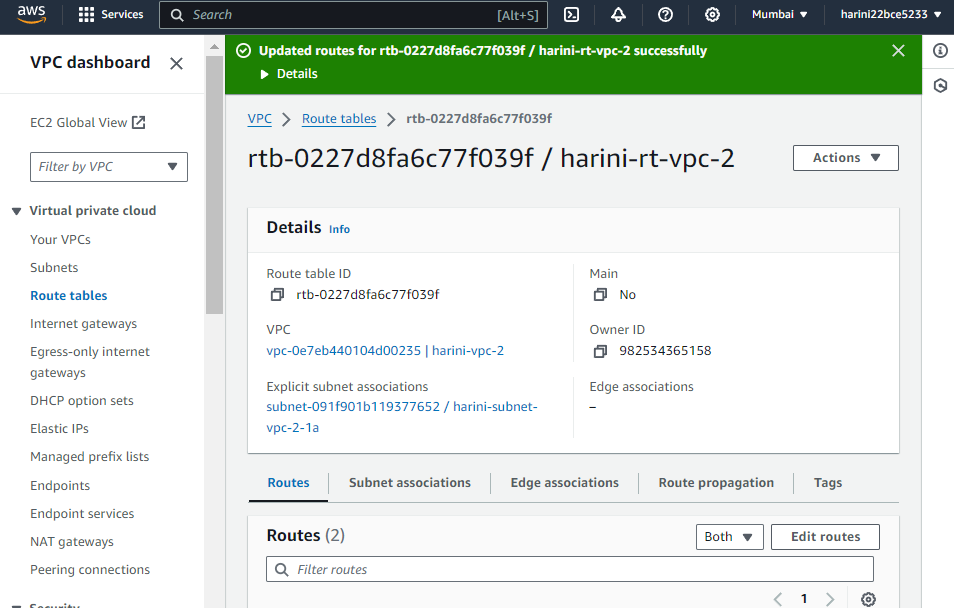




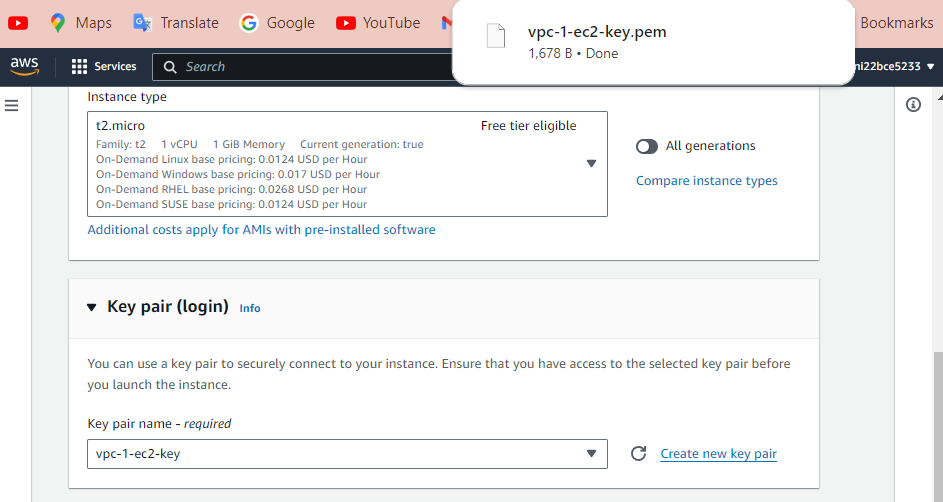
Attaching the internet gateway for 2nd vpc



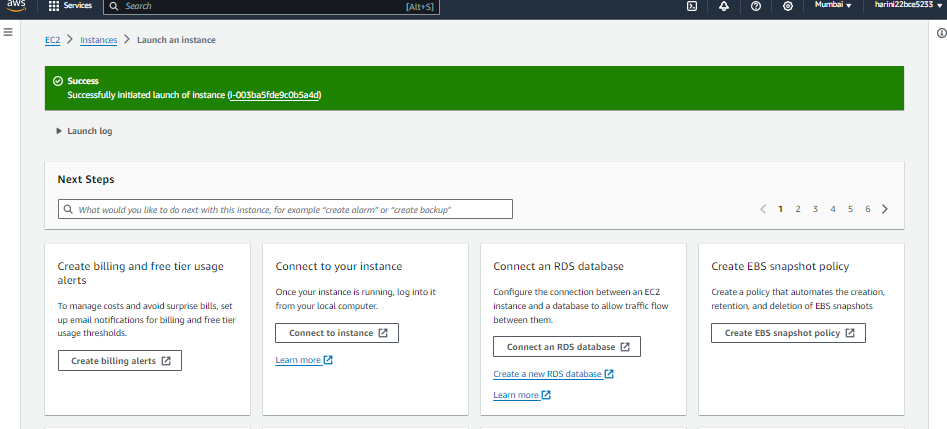


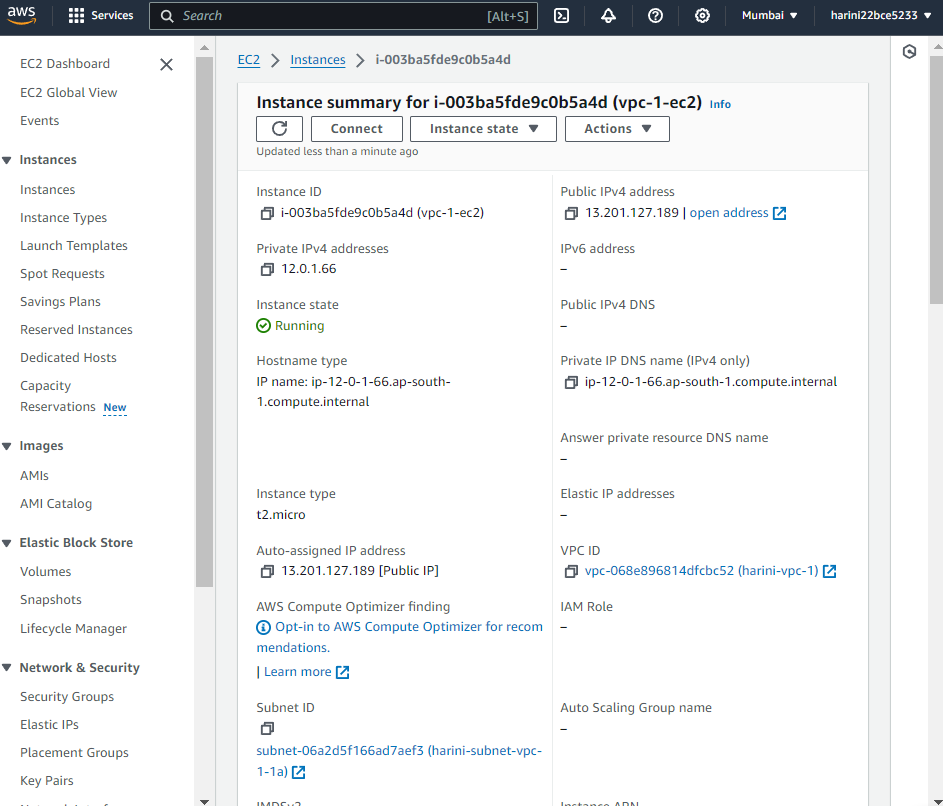


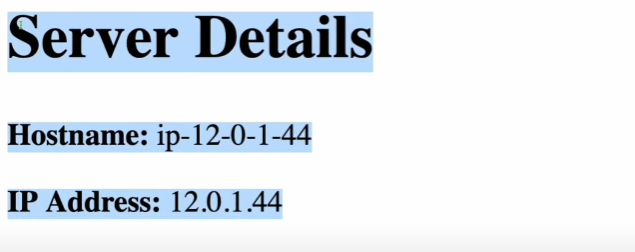
Provisioning EC2 instances is the next step after setting up the network. This includes selecting an appropriate AMI and configuring security groups for proper access management.

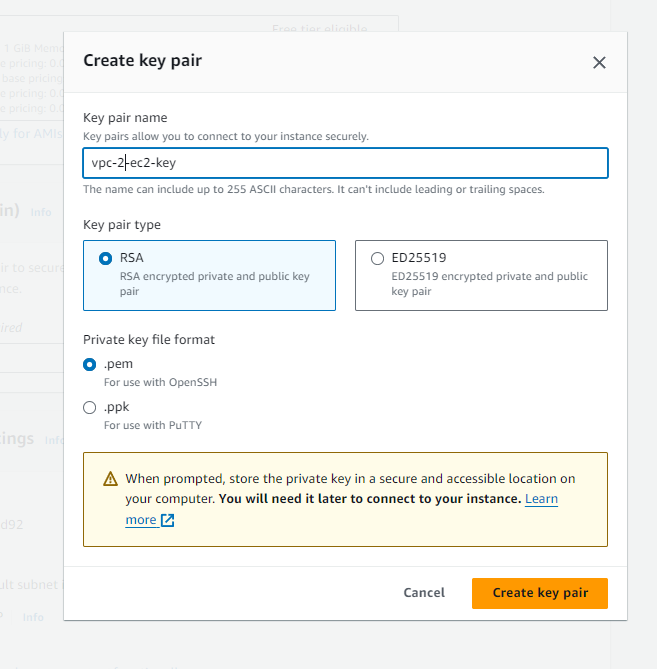


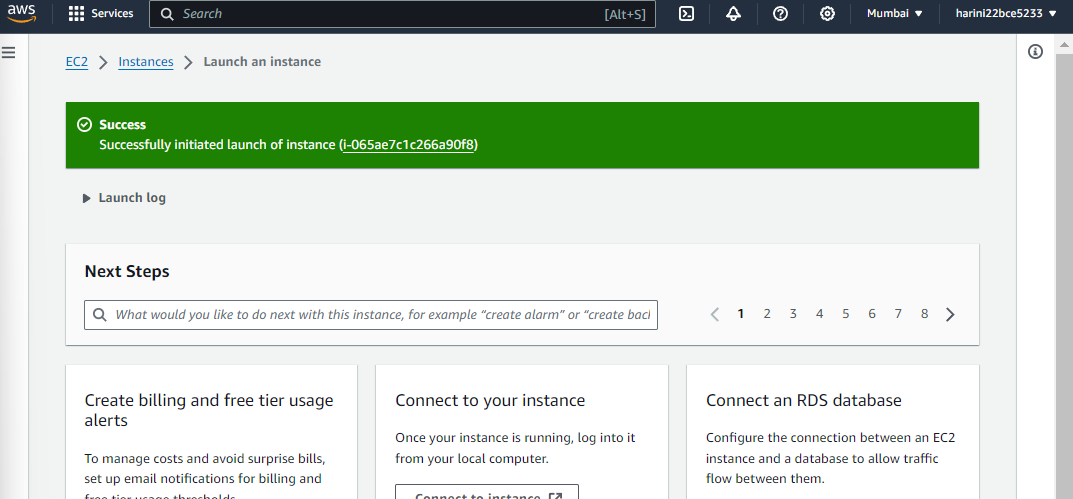
The installation and configuration of Apache on two EC2 instances running in separate VPCs is demonstrated. This process includes launching instances and setting up necessary security groups.

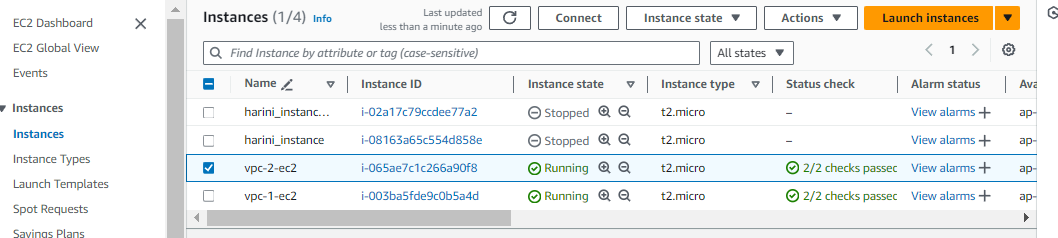




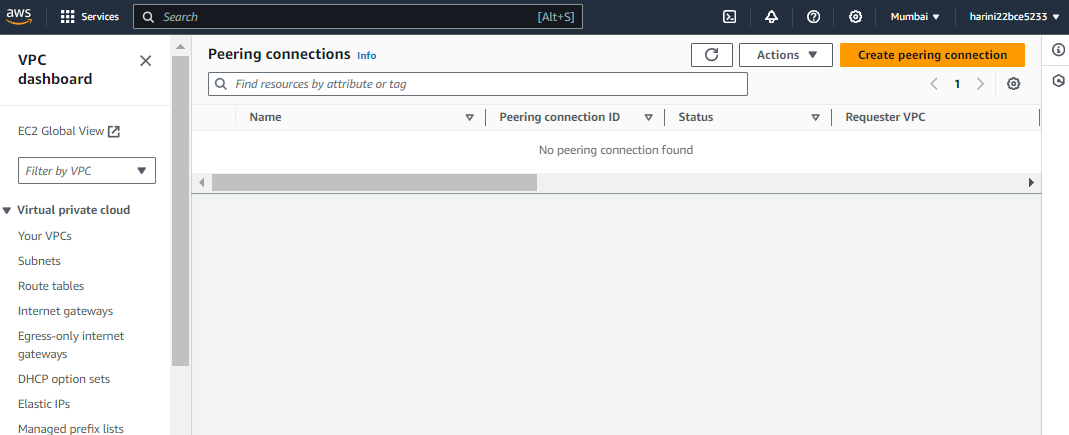


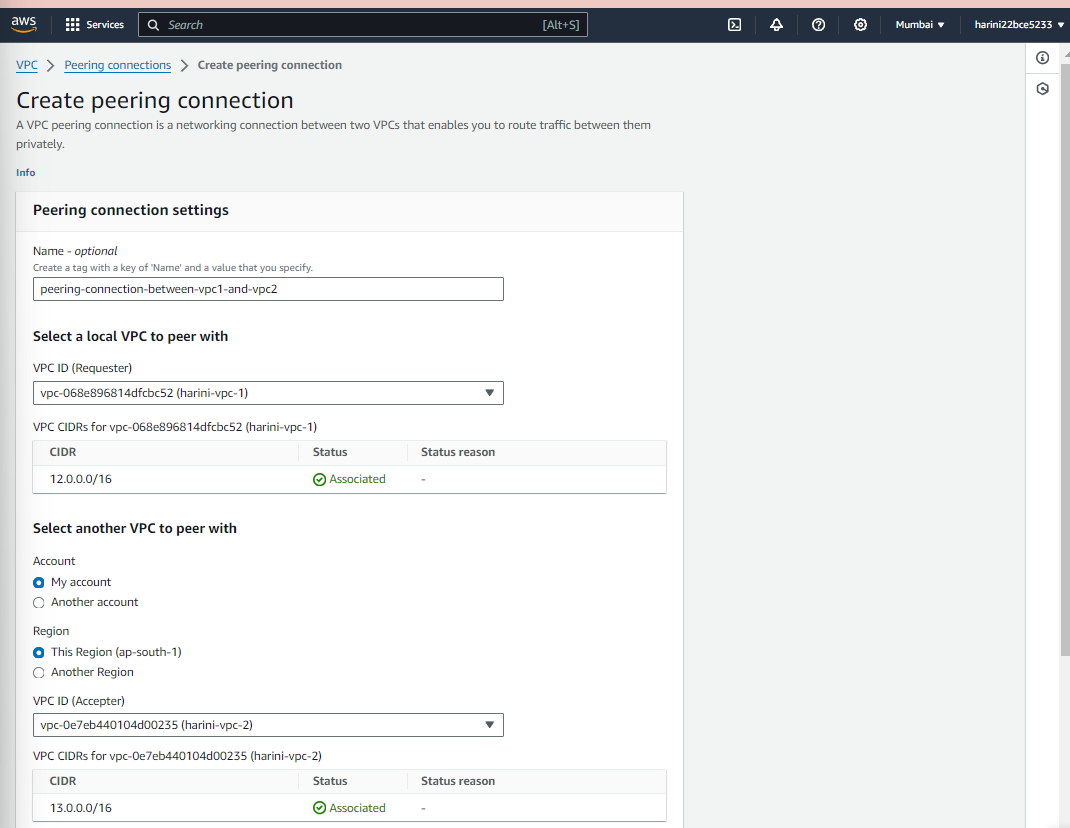


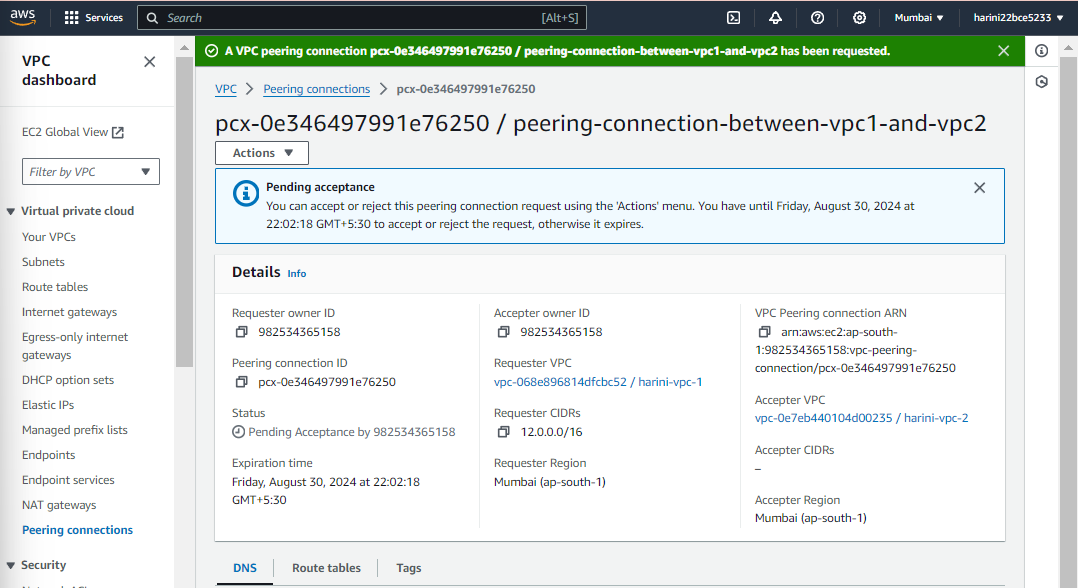


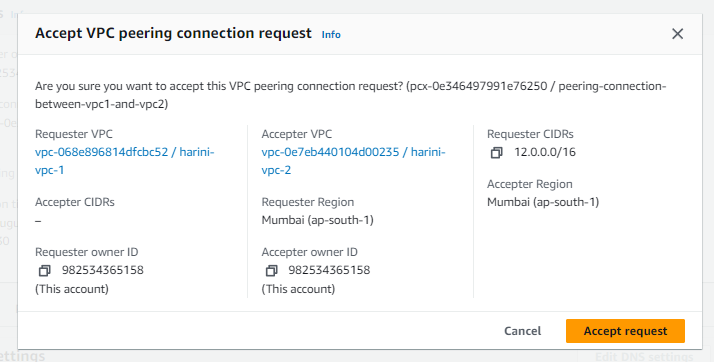


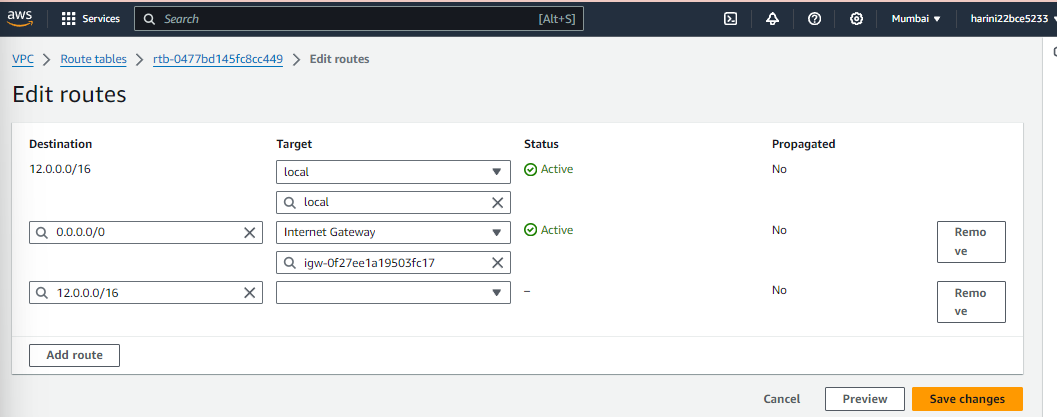
Establishing a VPC peering connection requires both the creation of the connection and acceptance from the destination VPC. Following acceptance, route tables must be modified for communication between EC2 instances.

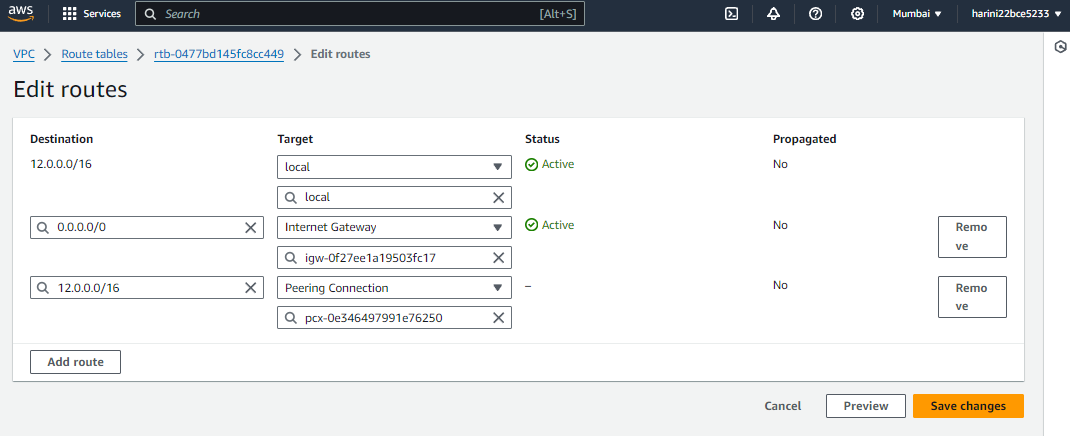


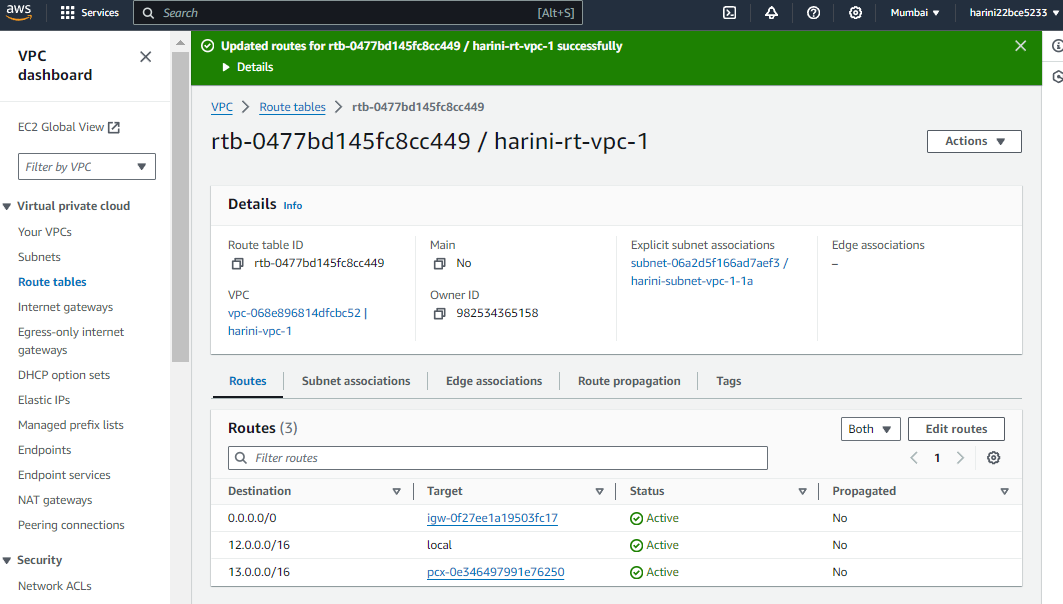


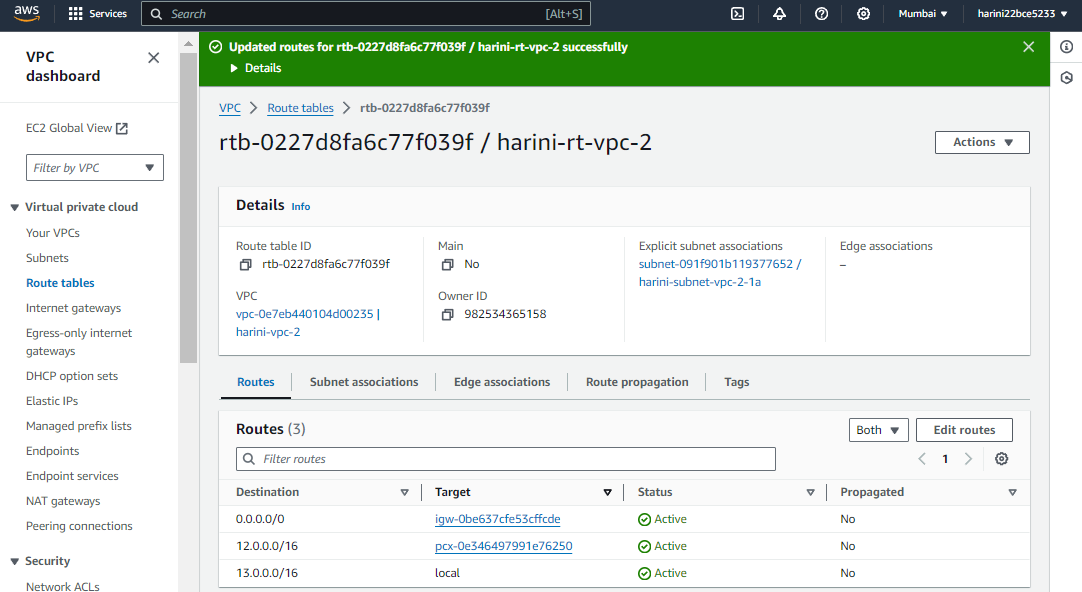












Establishing VPC peering allows communication between EC2 instances in different VPCs. Proper configuration of permissions and route tables is essential for successful connectivity.

