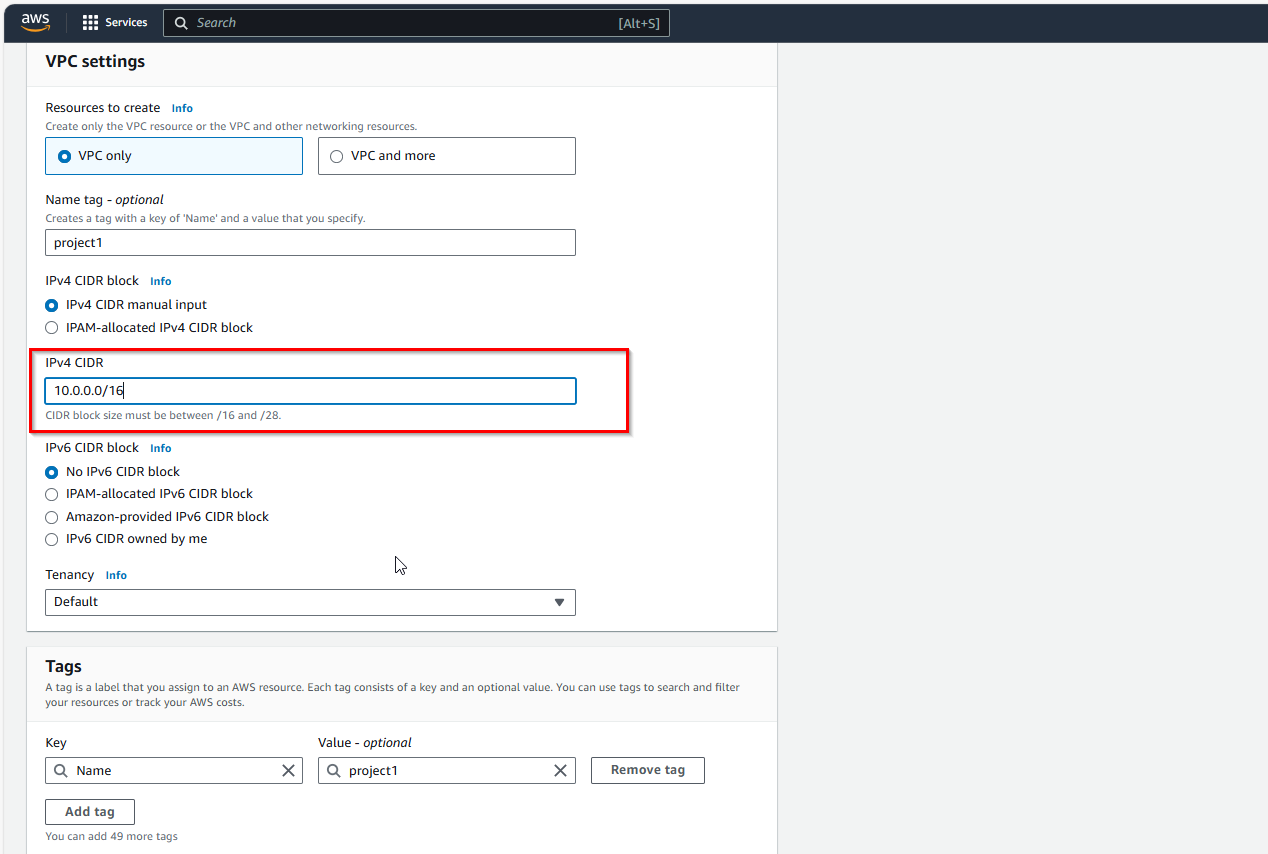
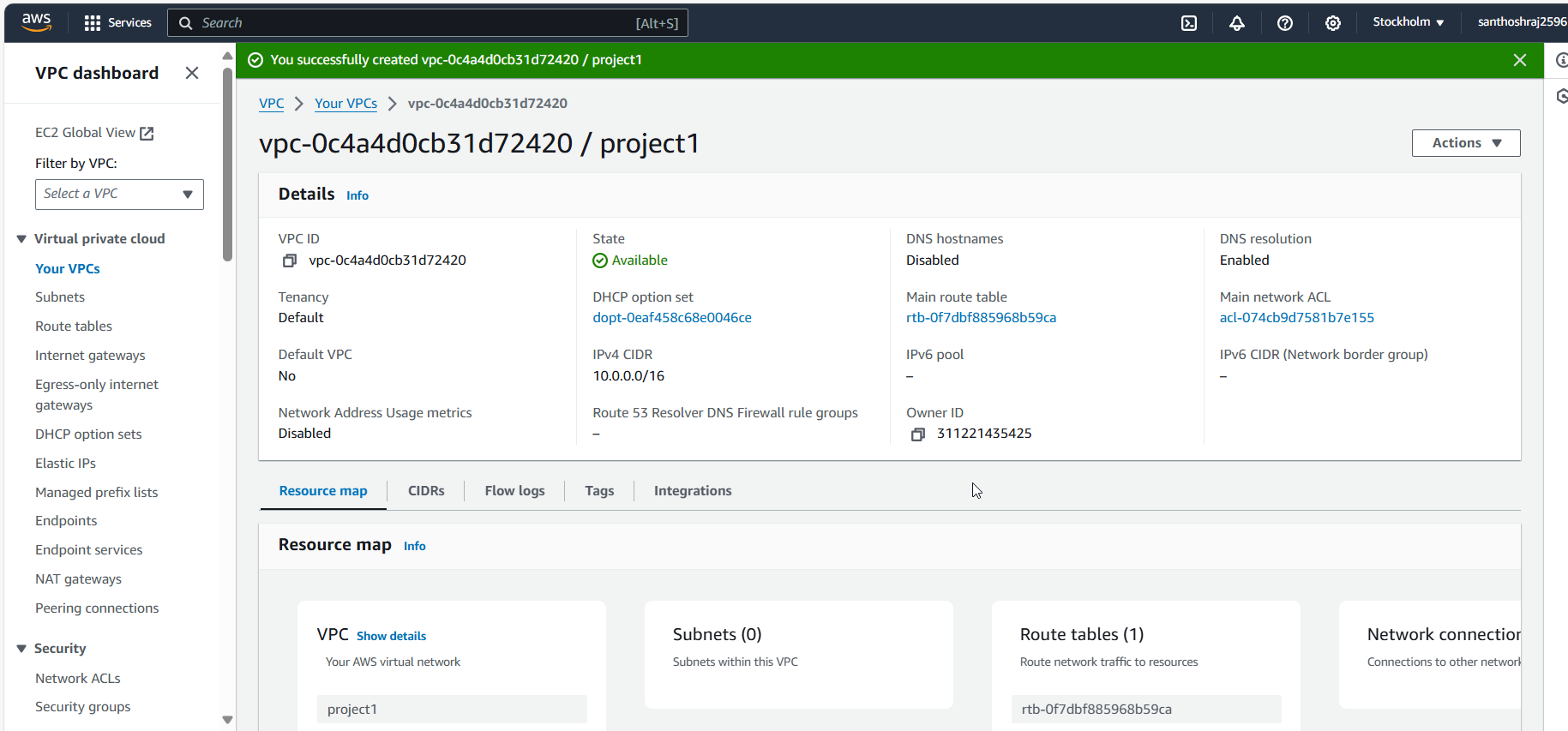
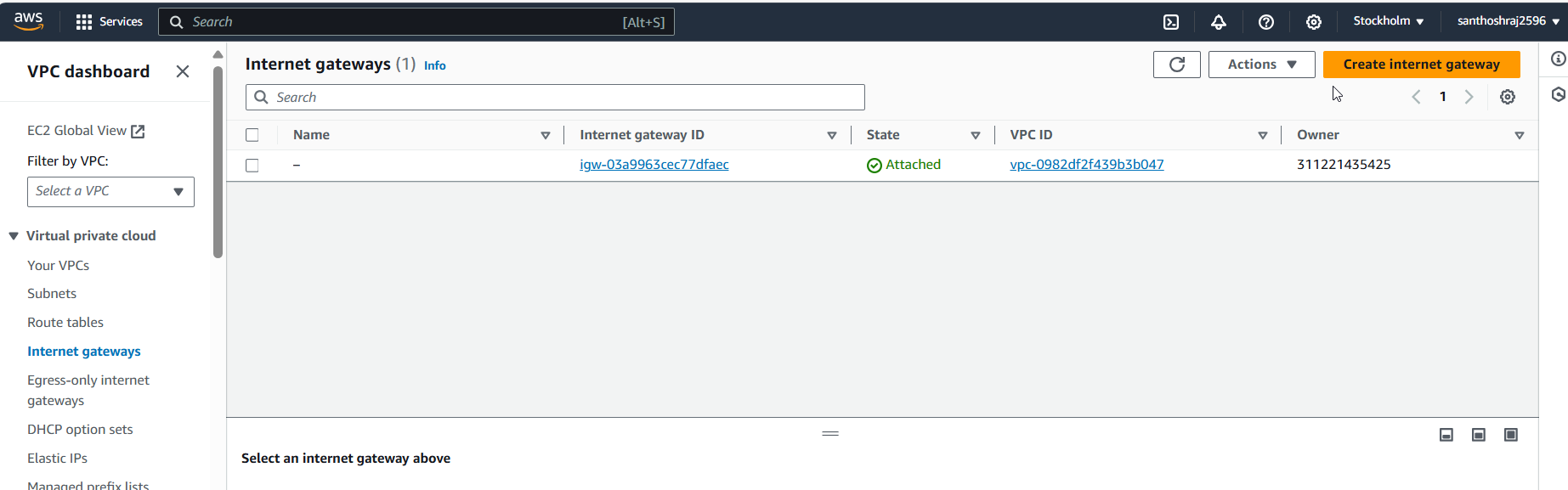
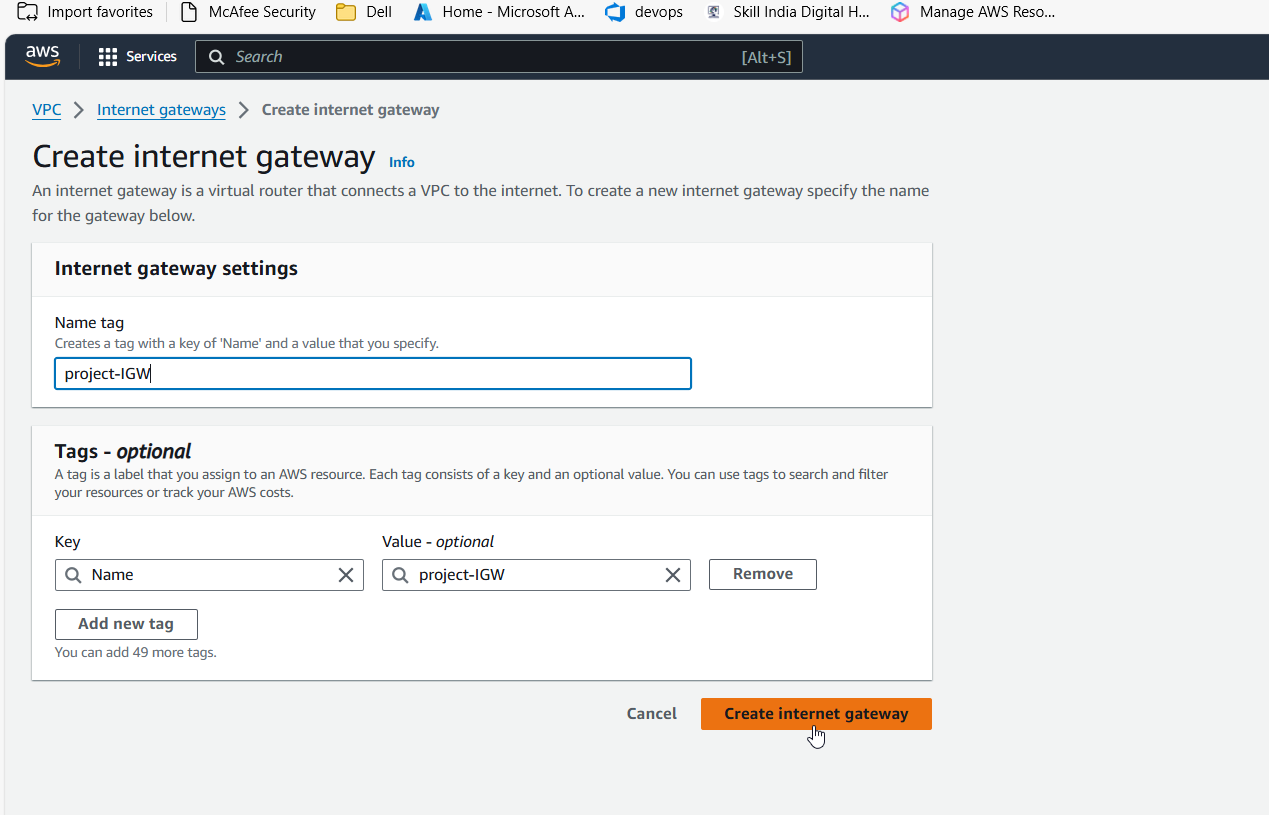
Creating VPC with internet gateway:

CIDR: 10.0.0.0/16🡪 class B. 

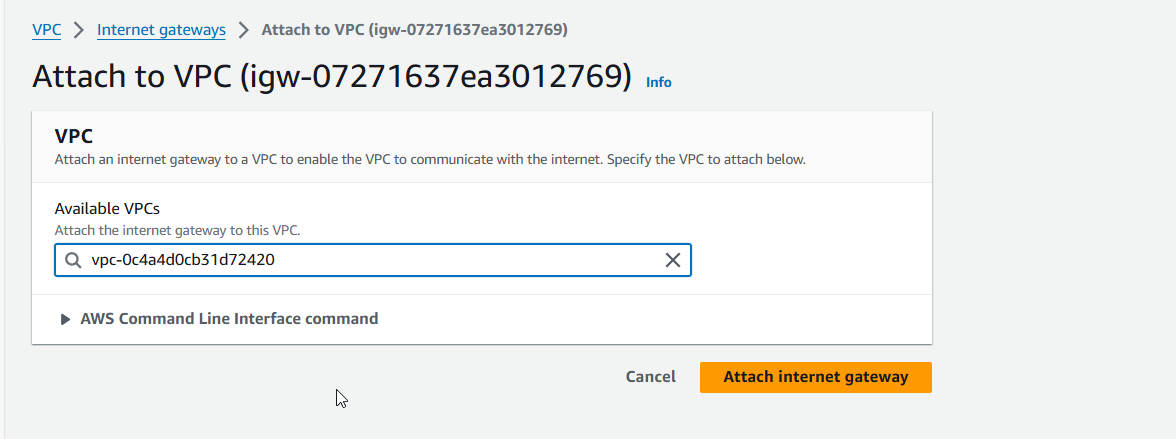
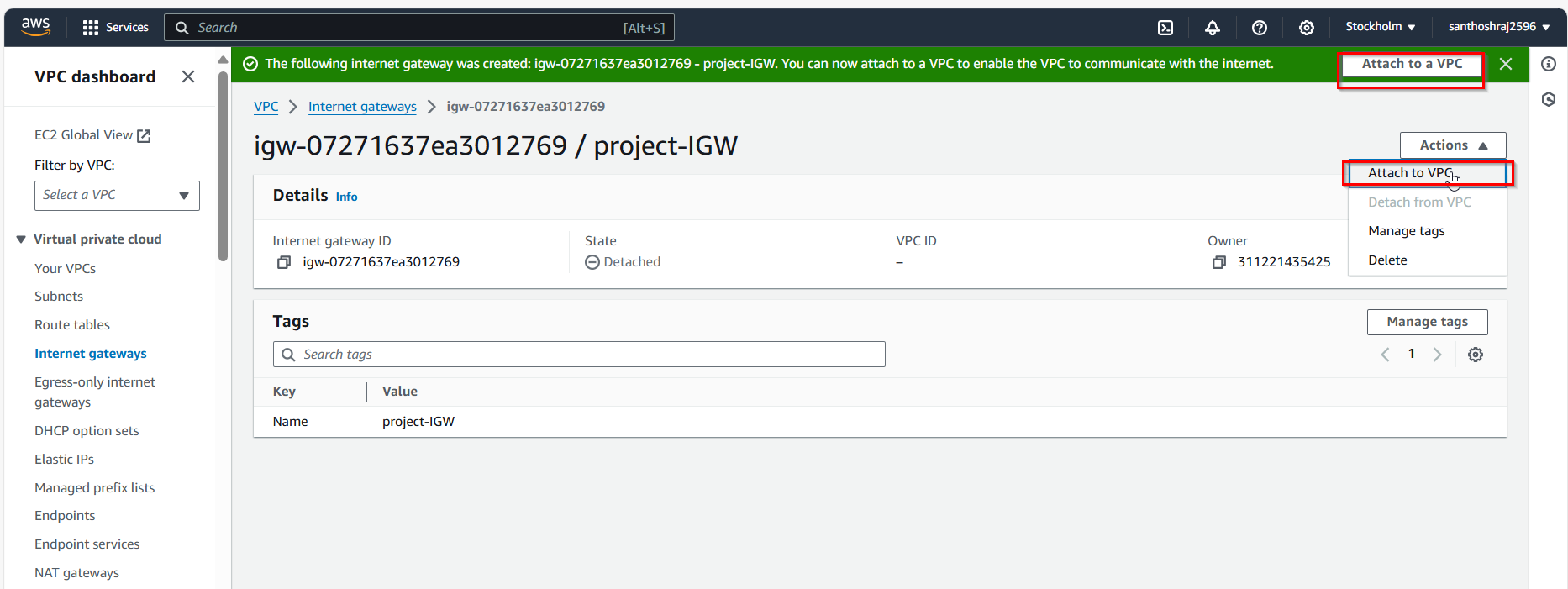


Creating Internet gateway:

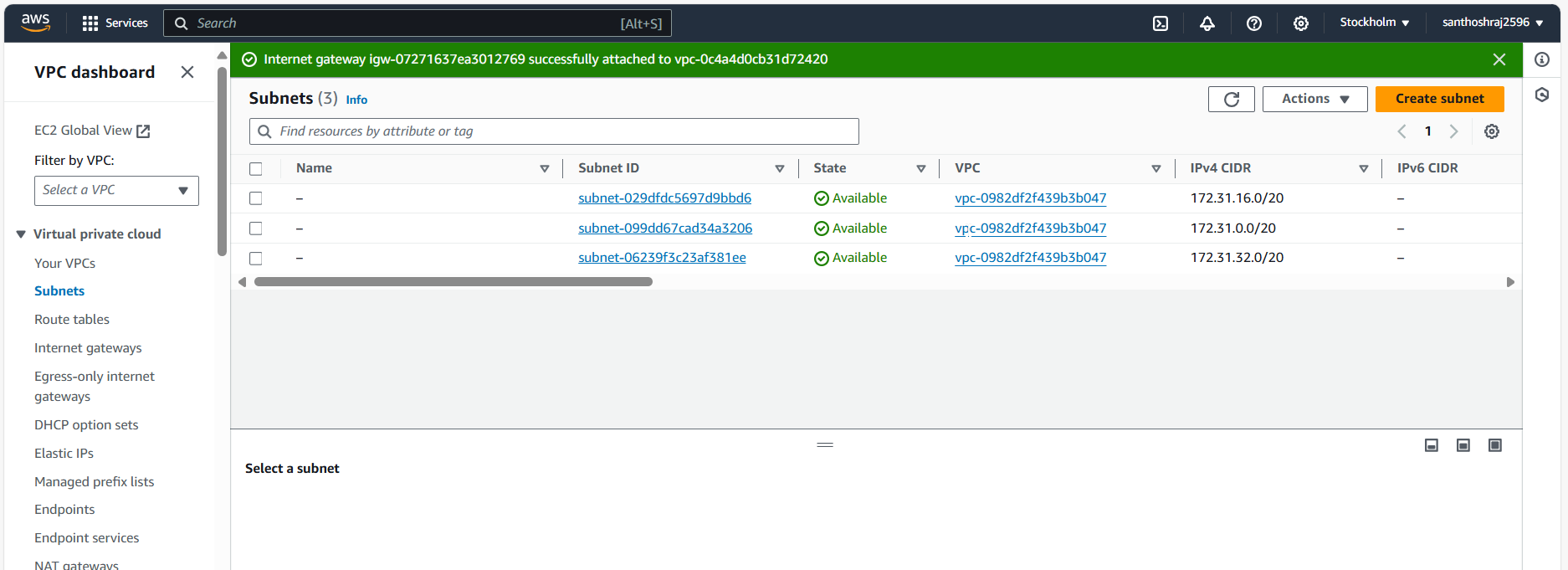


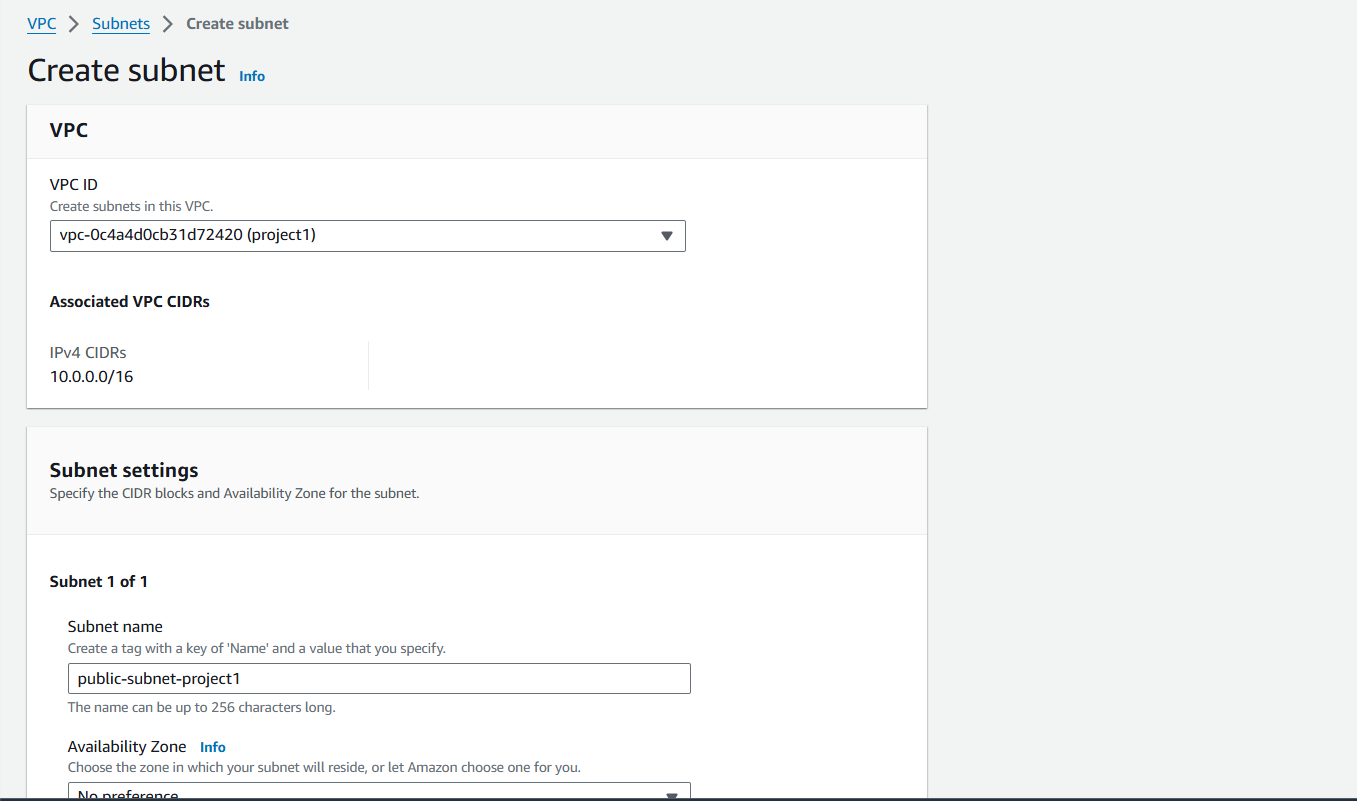


Attaching to VPC:



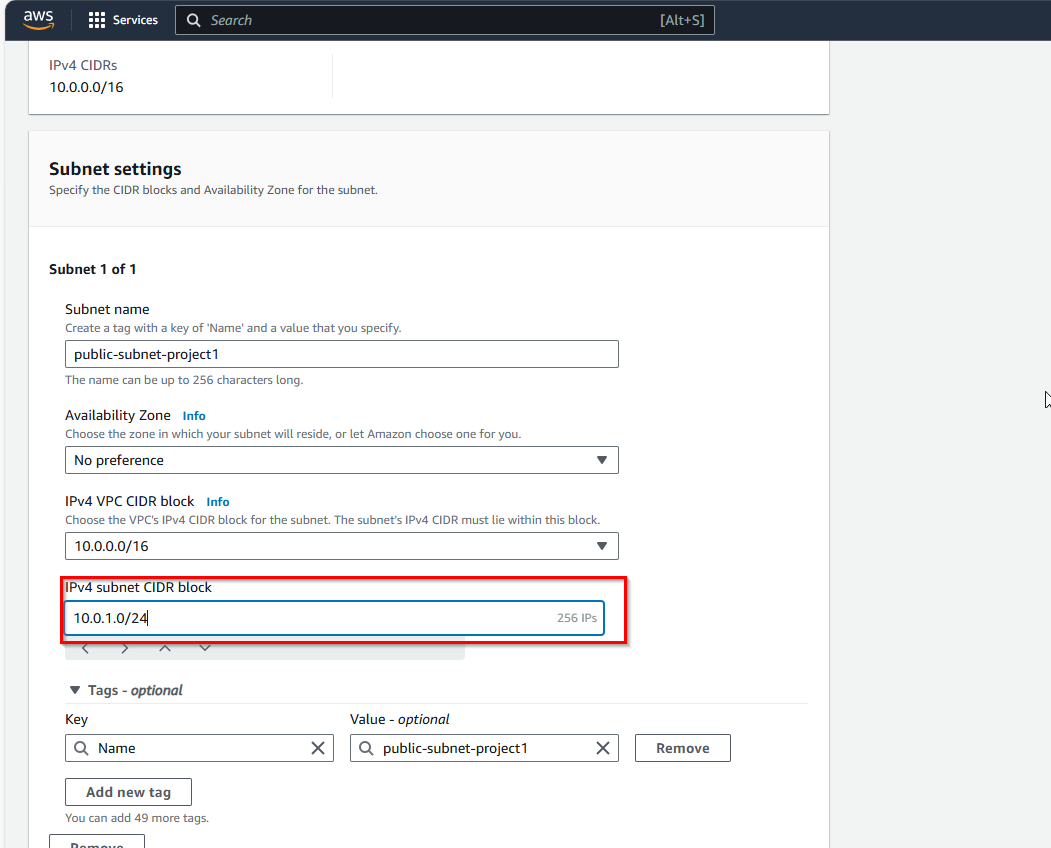
Creating Subnets based on VPC:project1



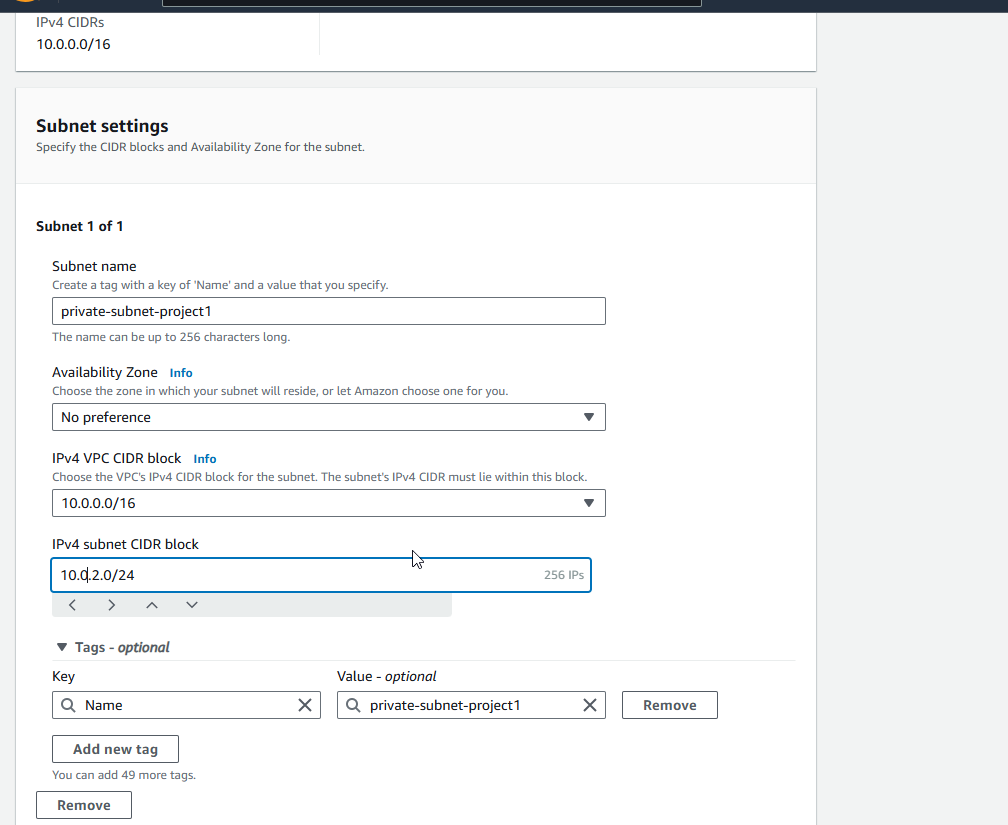


Since we do not require much of host Address, splitting the class B CIDR:10.0.0.0/16 into sub network with CIDR :10.0.1.0/24 , so 2^8=256 IP’s for host address.

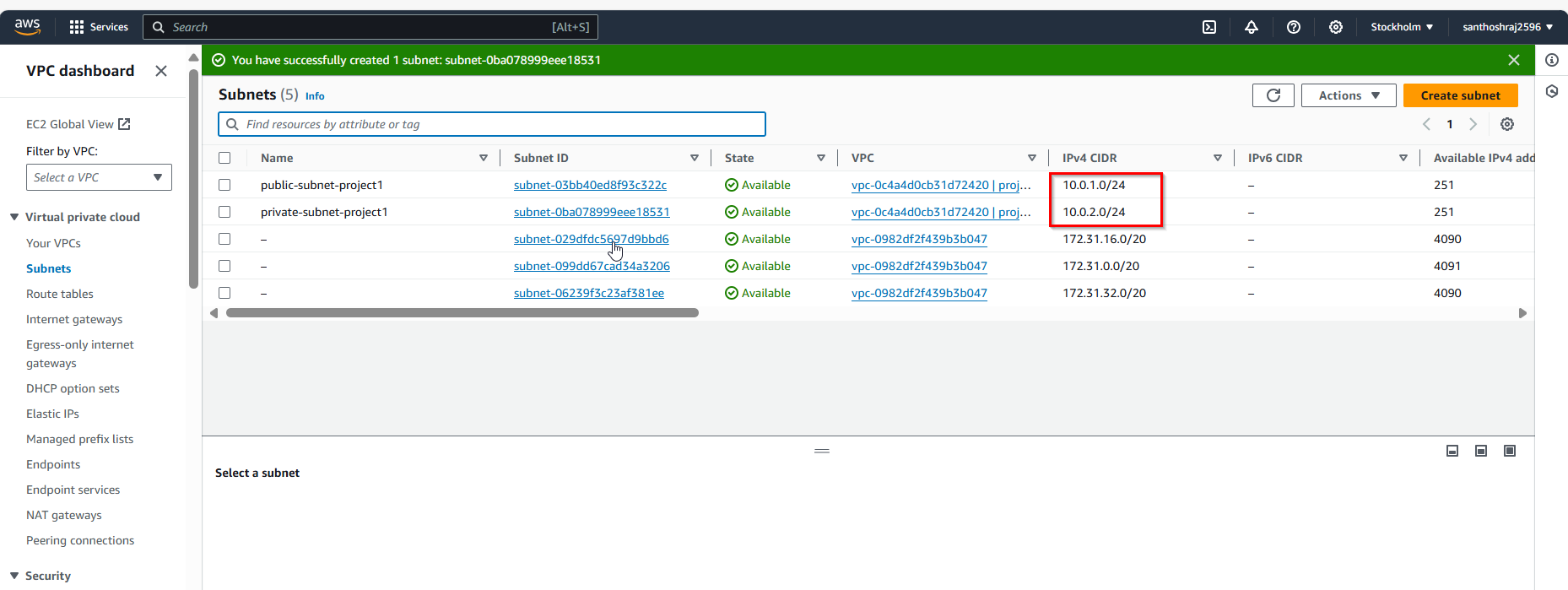
Public subnets:



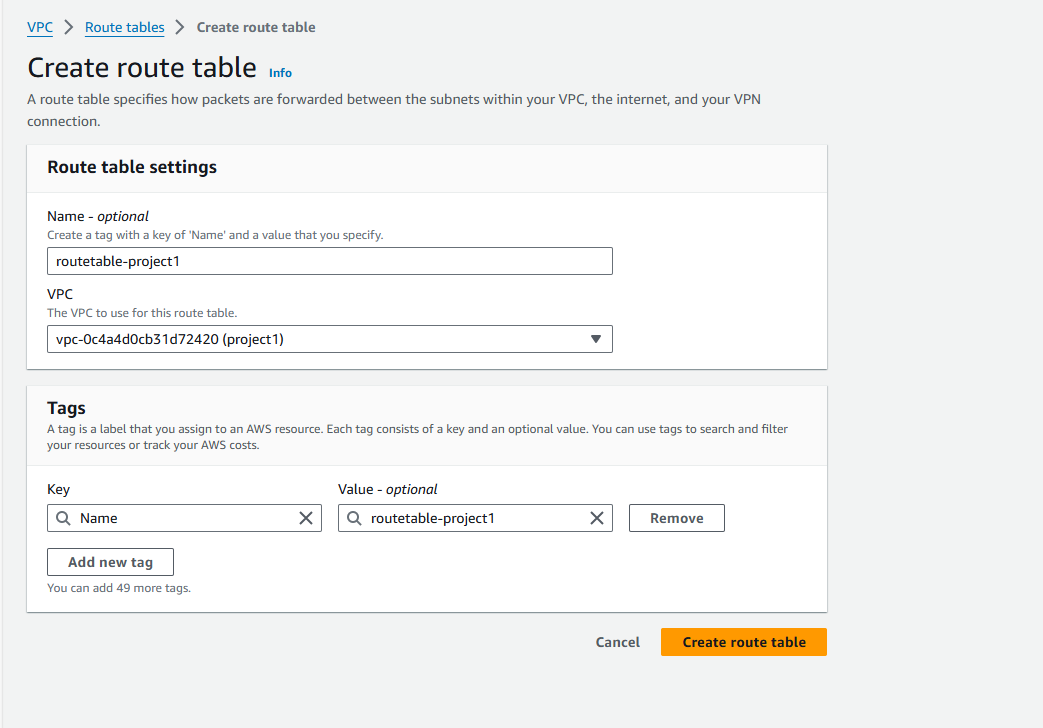
Private subnet: with CIDR: 10.0.2.0/24=256 IP’s



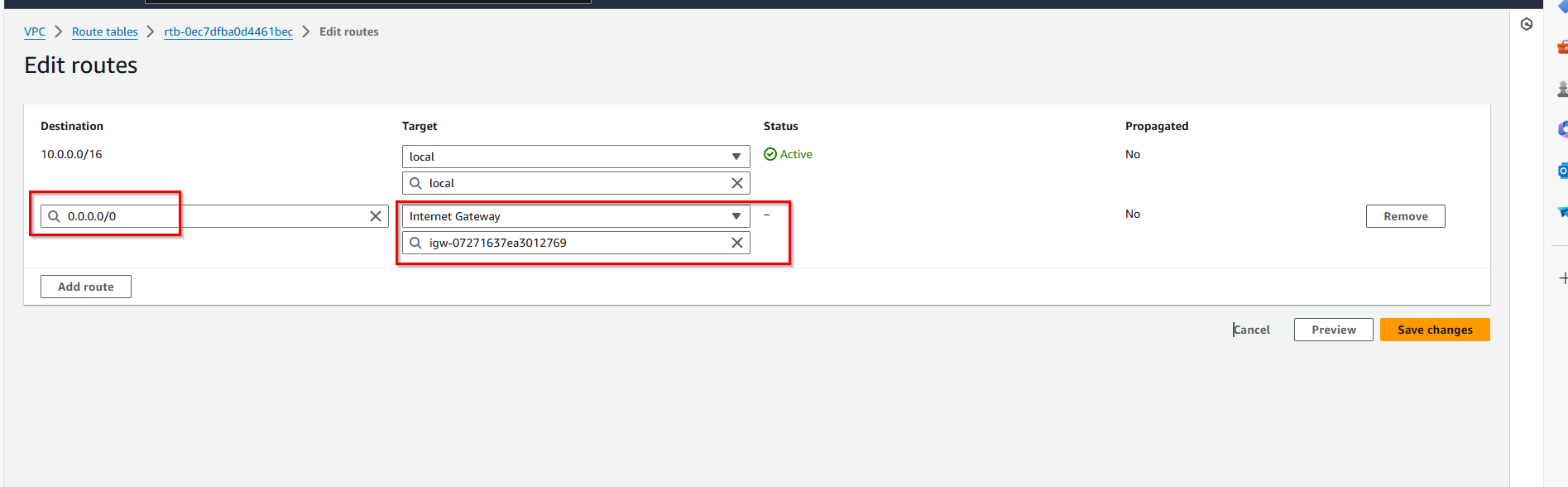
Subnets created:

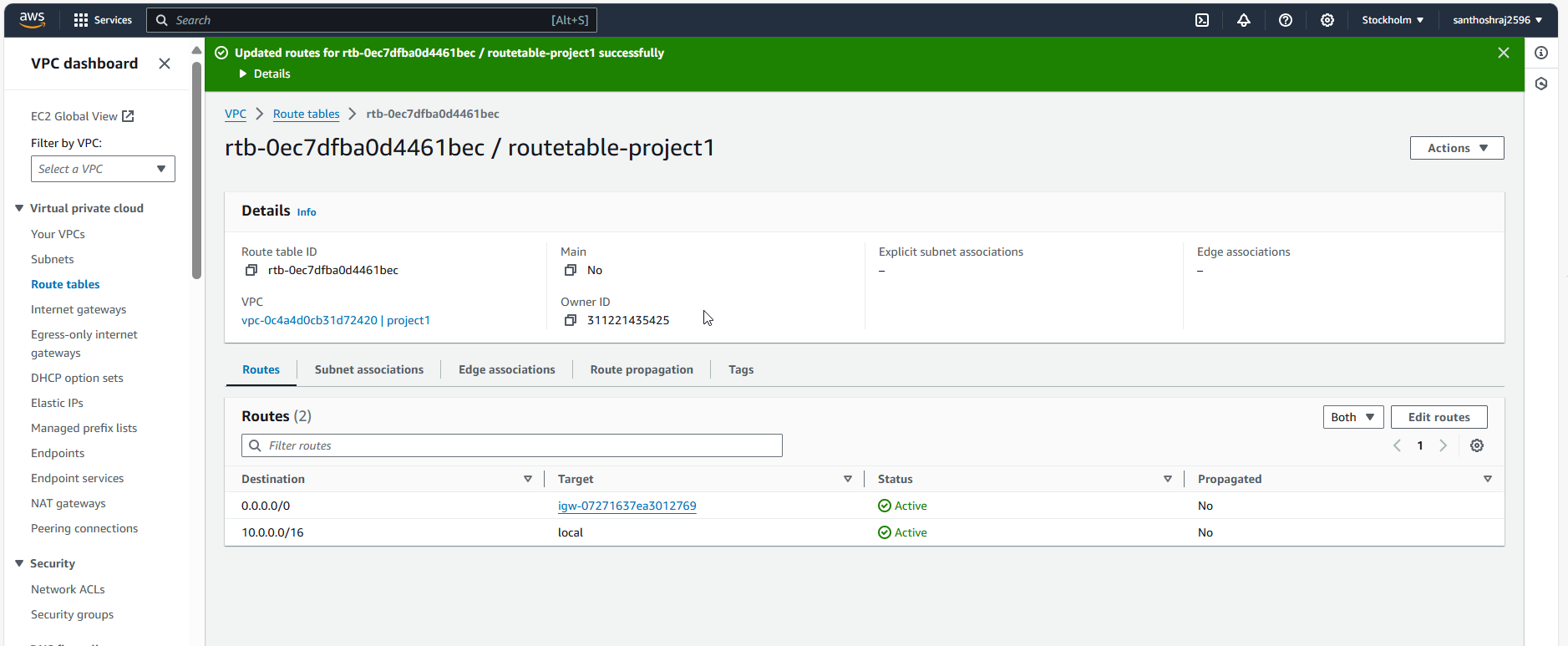


**Creating Router table:**

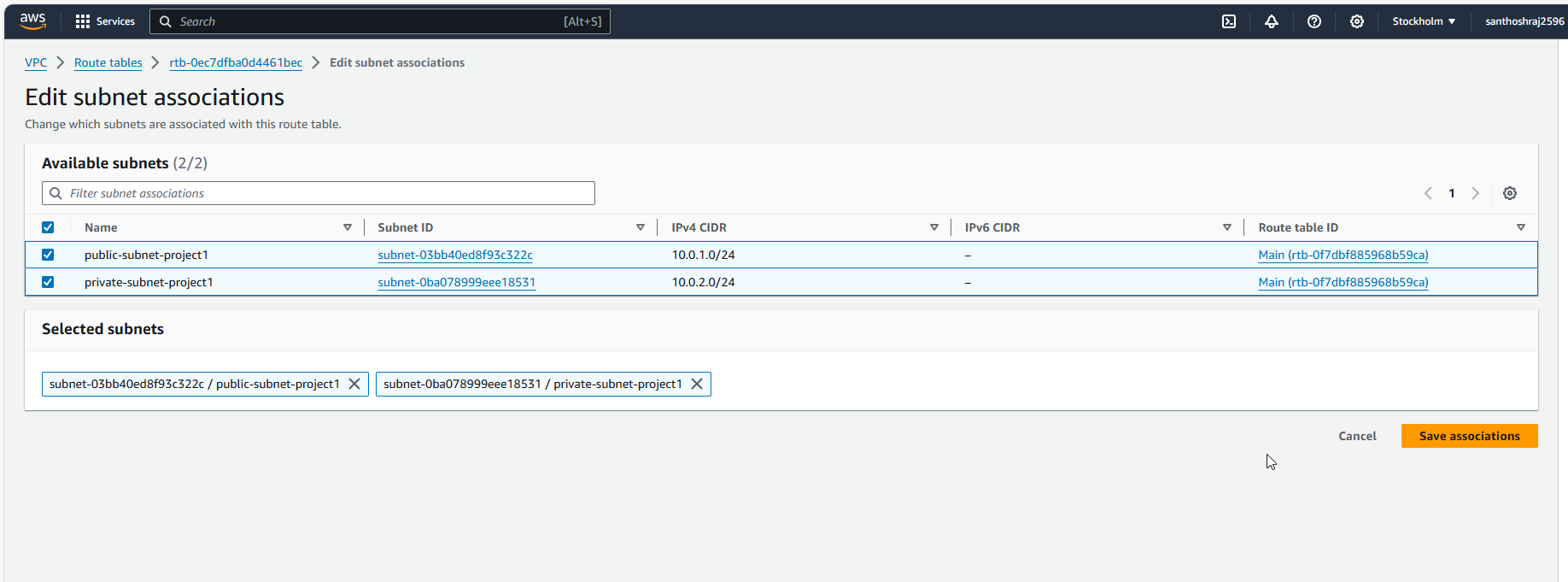
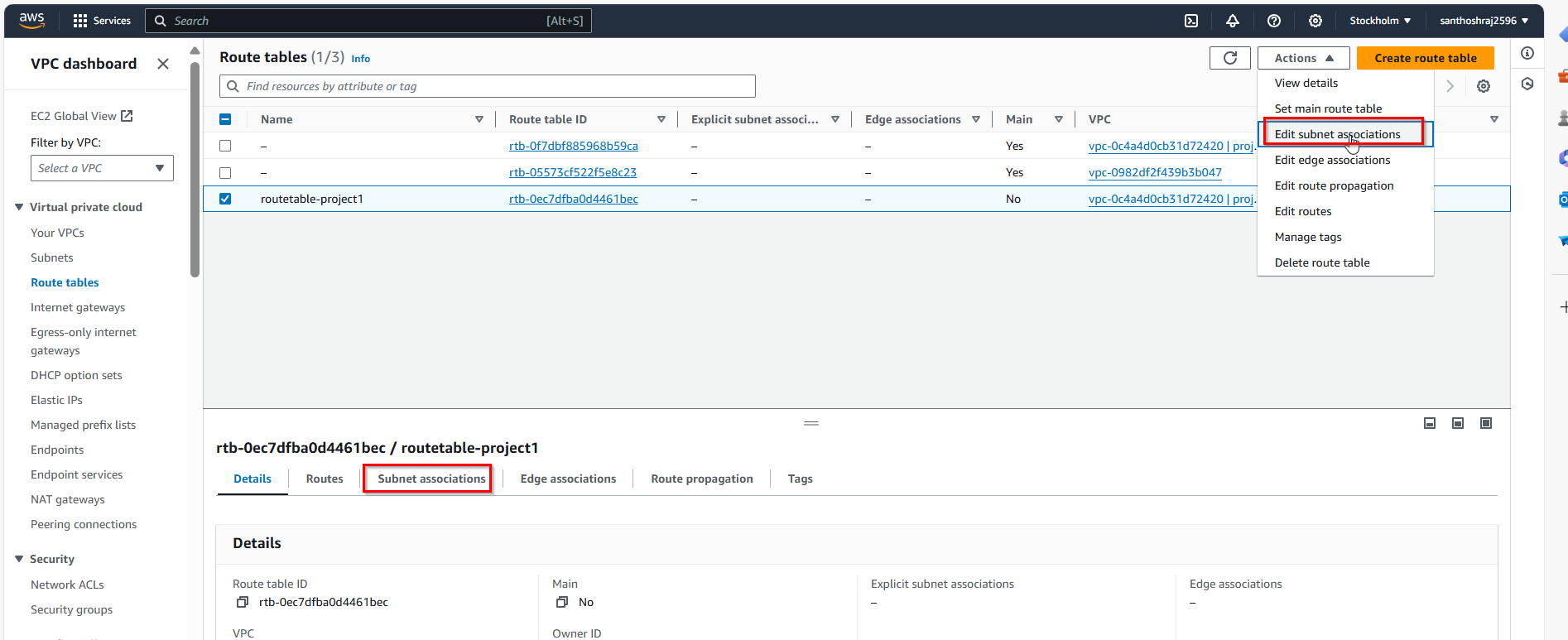


Editing Route table allowing all traffic for destination

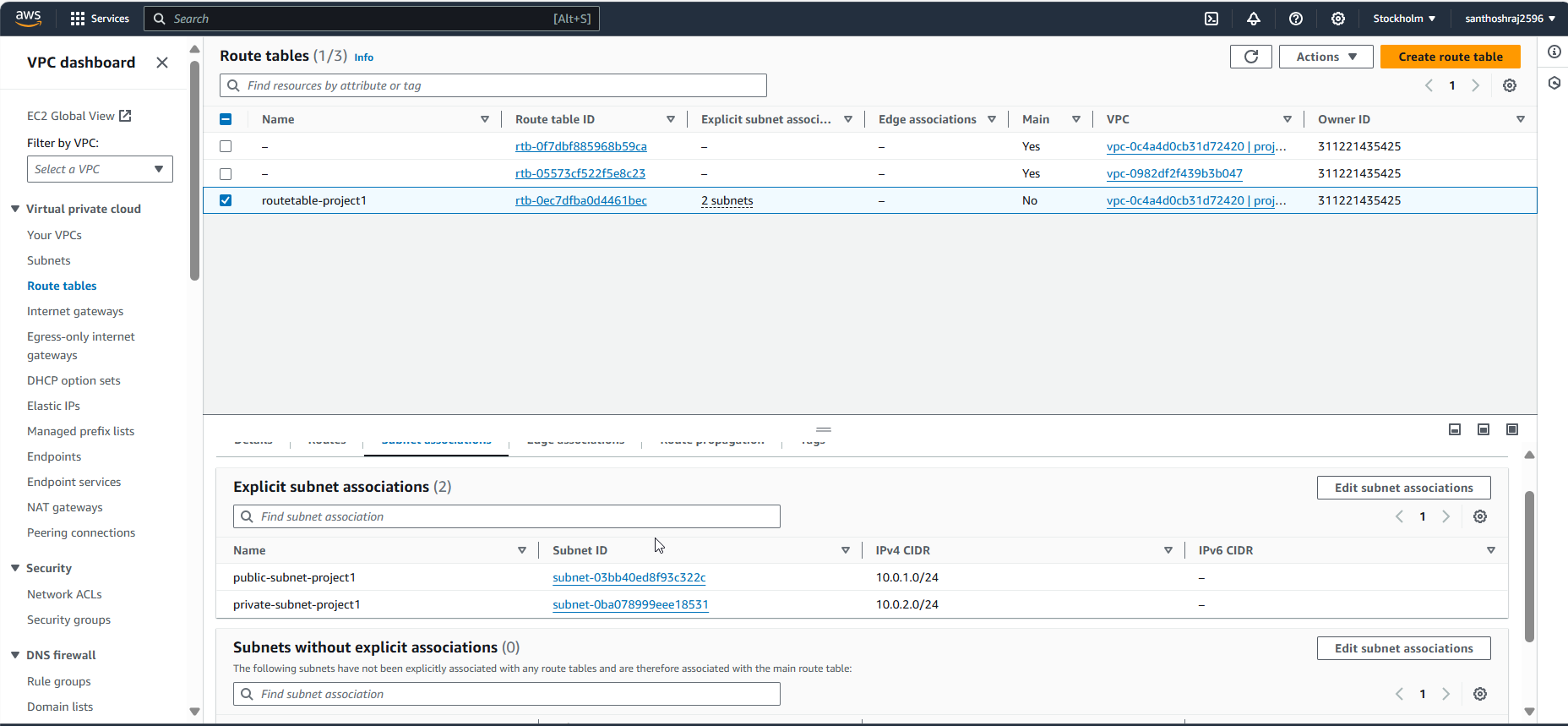




Adding router table to subnets:

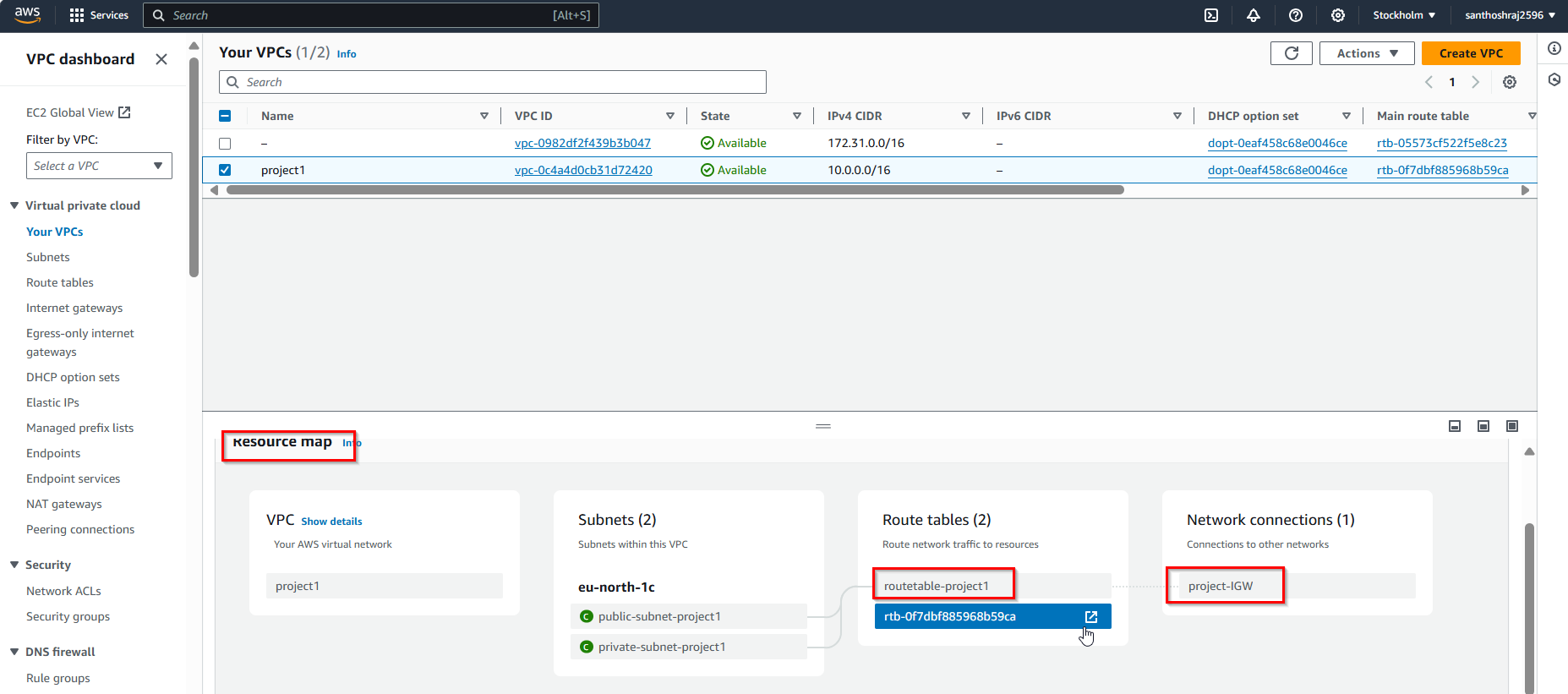


2 public and private Ip’s are associated to route table:

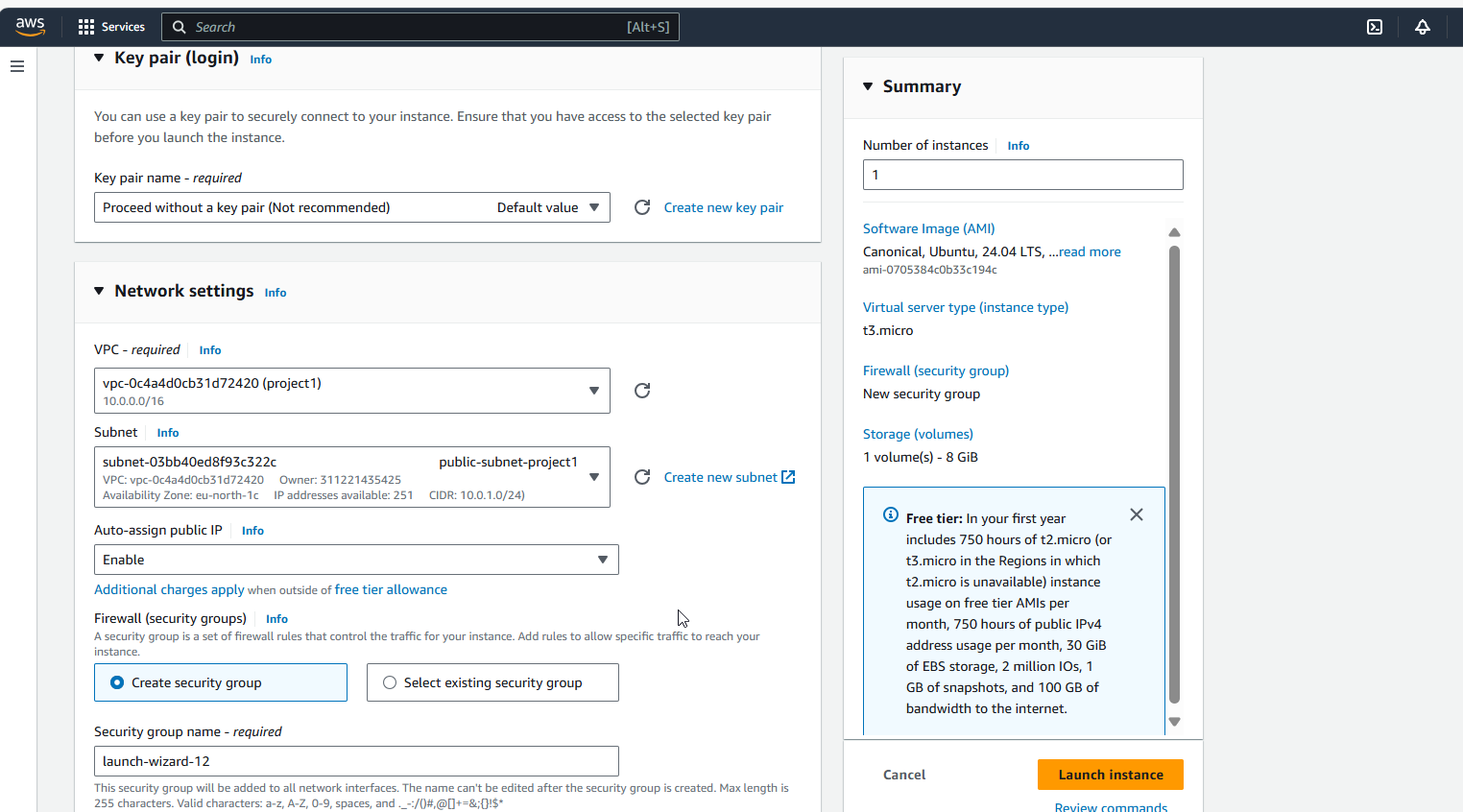


Resource map:

VPC with two subnets are connected to router which is connected to internet gateway:



Lauching instance with Public subnet under the VPC:project



Private IP is generated based on the public subnet CIDR range allocated:

