Create 4 Vpc's in 4 different regions and setup transit gateway.

--Create vpc in different regions by changing the regions "(choose diff CIDR range for each vpc)"

Name	Resource ID	Resource Type	Region
IT-vpc	vpc-070155d7fb0d50b49	Vpc	us-east-2
hr-vpc	vpc-01ebe0efef1124acf	Vpc	us-west-1
finance-vpc	vpc-013ae9f695ad4ab5b	Vpc	ap-south-1
engg-vpc	vpc-09d13b7dfb6aeb2aa	Vpc	us-west-2

>>Once vpc is created then add 2 subnets to each vpc with one private and one public

--Create internet gateway and attach it to the each vpc

Name	Resource ID	Resource Type	Region
it-igw	igw-0358643d636fd4860	Internet Gateway	us-east-2
hr-igw	igw-066915b1046610ffb	Internet Gateway	us-west-1
fin-igw	igw-048ad123a51820476	Internet Gateway	ap-south-1
engg-igw	igw-0ef4727144d903a00	Internet Gateway	us-west-2

>Go to transit gateway section and create 1 transit gateway for each region and note down the transit gateway ID

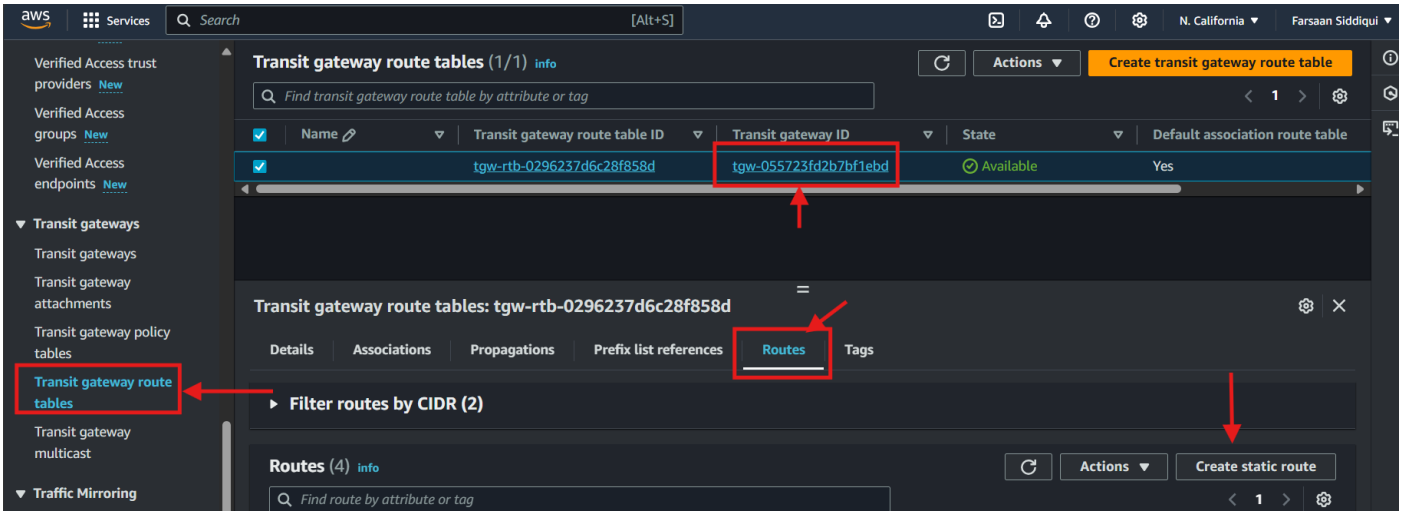
>Create transit gateway attachment and choose the TGW created for region and choose vpc and add the vpc created for the region u are in.

>Create another transit gateway attachment and choose "peering connection" this time and select the another region and add the TGW ID for that region.

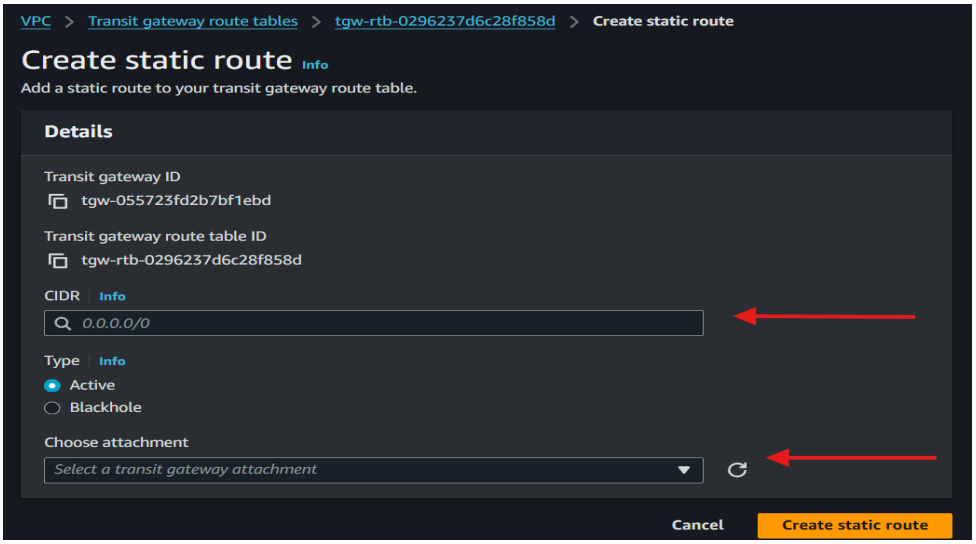
Name	Transit gateway attachment ID	Transit gateway ID	State	Resource t...	Resource ID
hr	tgw-attach-08f347dd27d805bde	tgw-00e083b02e4a138cf	Available	Peering	tgw-055723fd2
engg	tgw-attach-0a382383225b437d6	tgw-00e083b02e4a138cf	Available	Peering	tgw-0bbf8782c
finance	tgw-attach-0be52df5ca452bc89	tgw-00e083b02e4a138cf	Available	Peering	tgw-0ad8468bc
it	tgw-attach-03461a6e67eb0c803	tgw-00e083b02e4a138cf	Available	VPC	vpc-070155d7f

"REPEAT THIS PROCESS FOR ALL OTHER 3 REGIONS"

>>Go to transit gateway route table and select the route with your igw-id > choose routes > create static routes

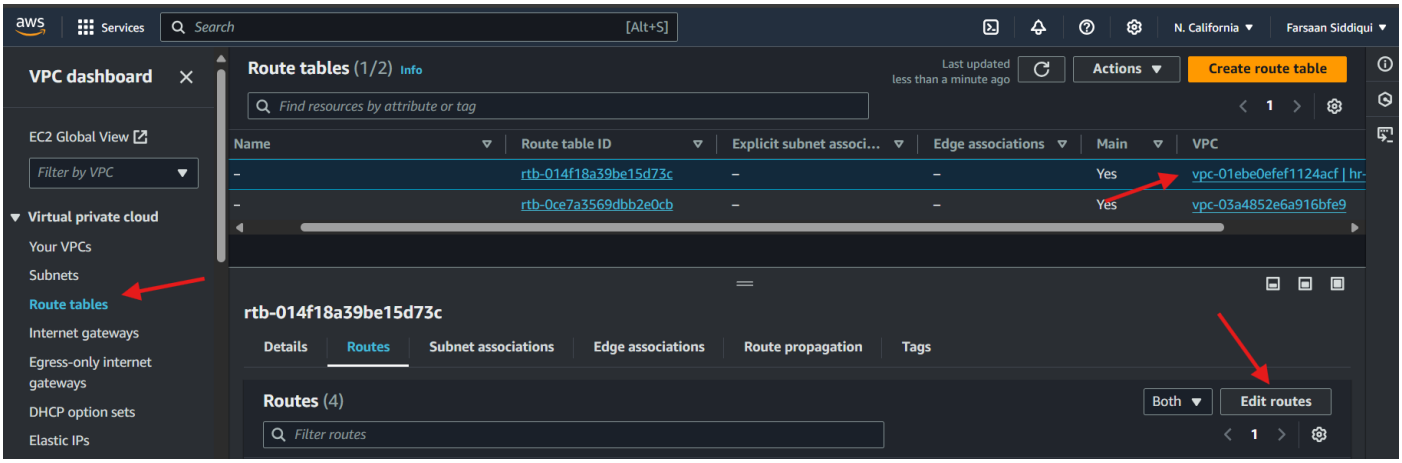


--ADD CIDR FOR VPC's CREATED IN DIFFERENT REGIONS AND MAKE SURE TO SELECT CORRECT TGW attachment

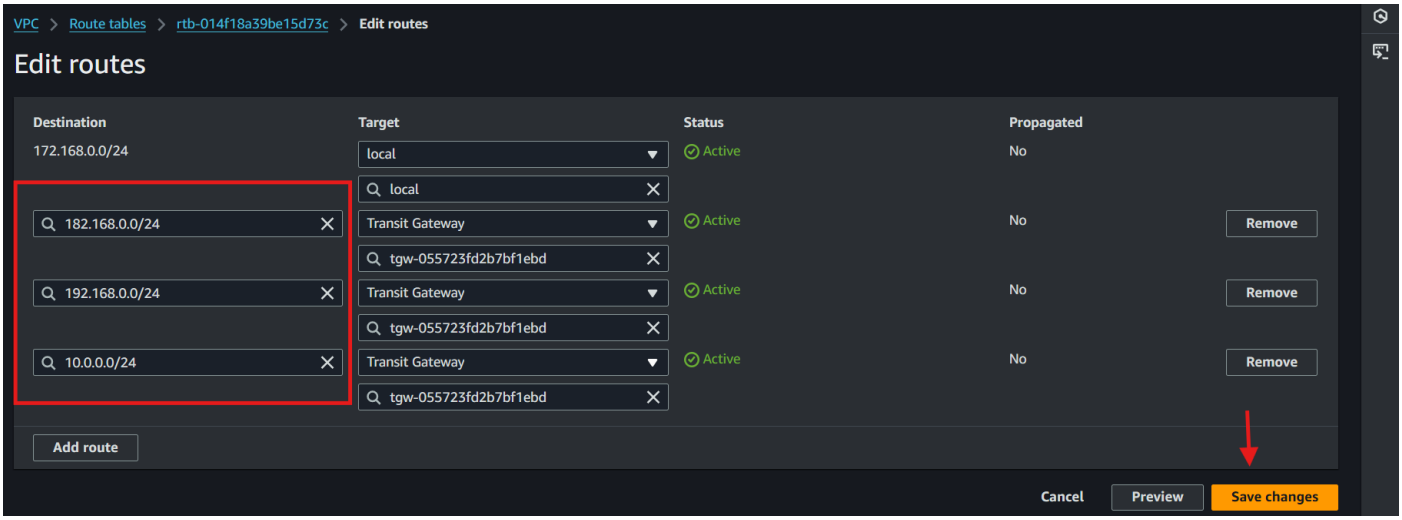


"REPEAT THIS WITH ALL THE REGIONS"

>>GO to route table of your vpc and and select the routing table for vpc created and click edit routes



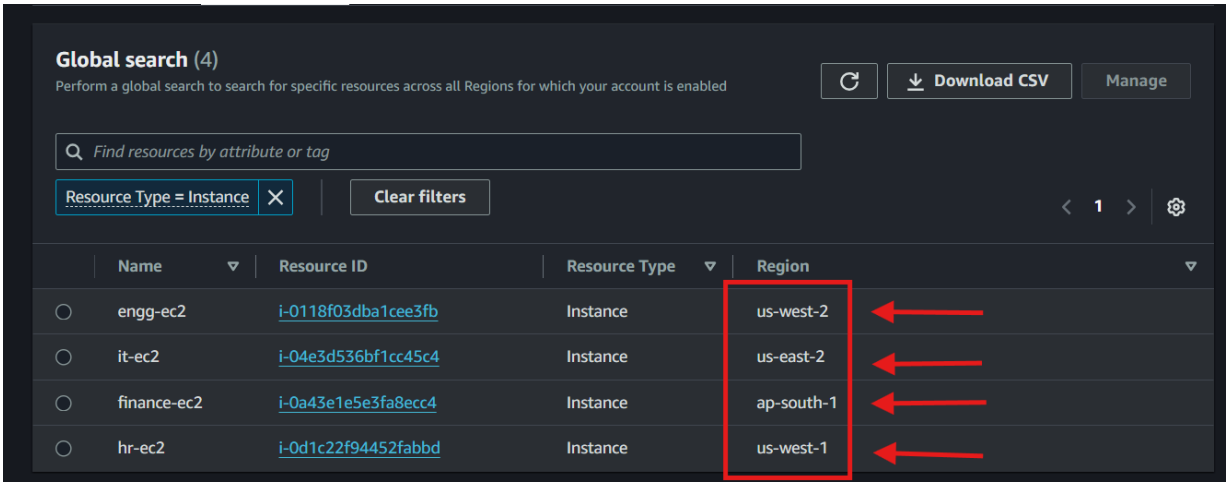
>>ADD ALL THE CIDR RANGE IN THE ROUTE BY "ADD ROUTE" and SAVE CHANGES



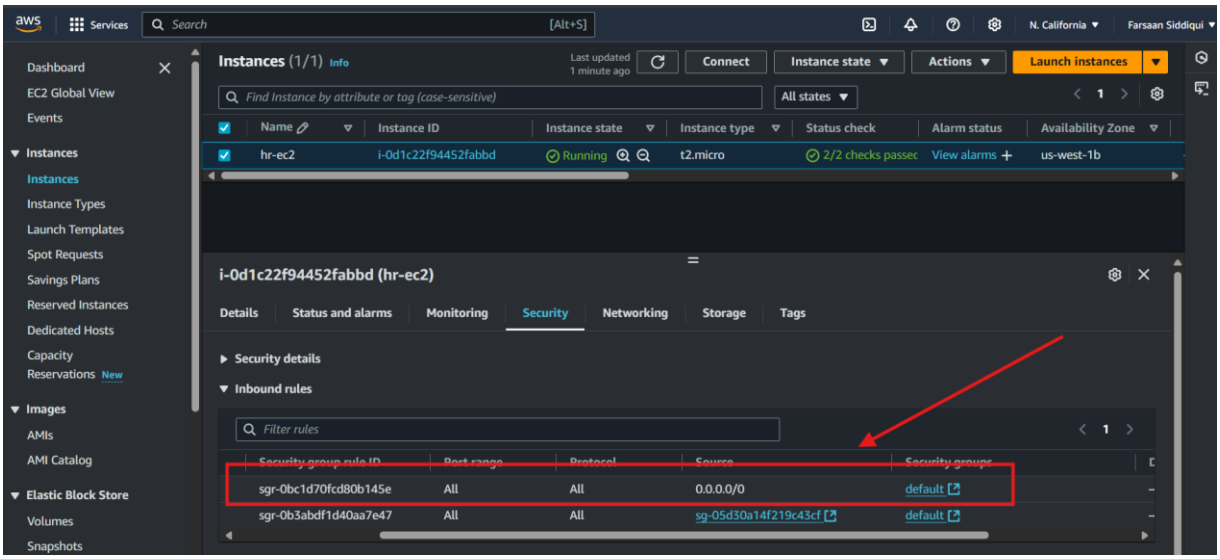
*NOTE: Add the Internet gateway to route table for public subnet

CREATE 1 EC2 INSTANCE IN ALL DIFF REGIONS AND SELECT THE VPC CREATED

<make sure to create one ec2 with public subnet and rest 3 with private subnet>



<check for security group that it has inbound rule for all traffic with 0.0.0.0/0 rule>



>>NOW LOGIN THROUGH SSH WITH THE PUBLIC EC2 AND TRY TO PING ALL THREE EC2 “PRIVATE IP’s”