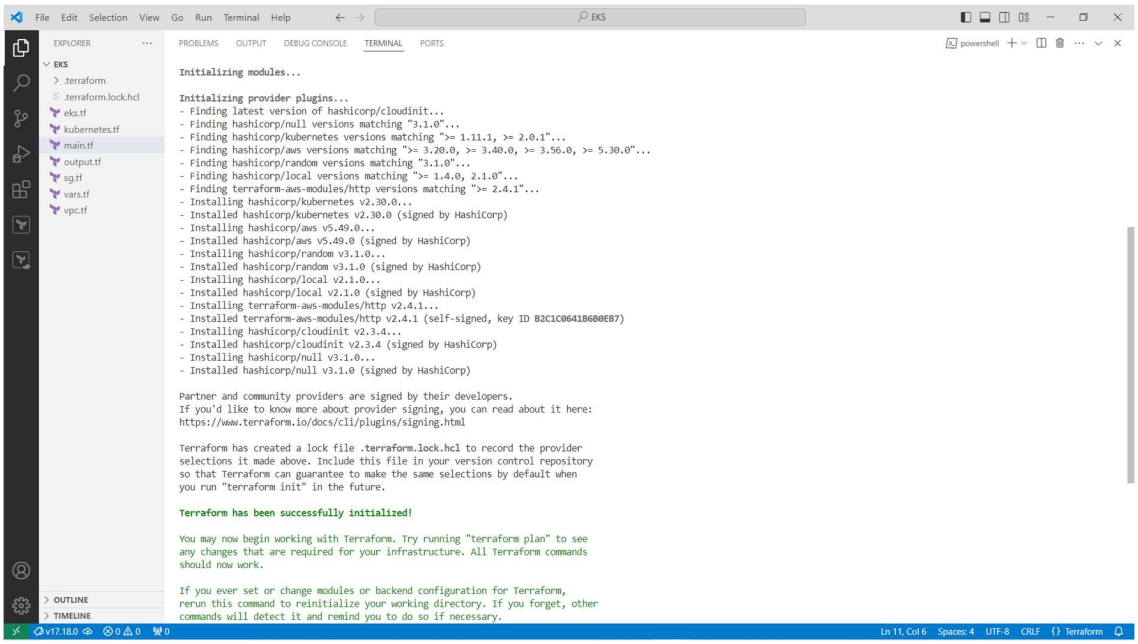
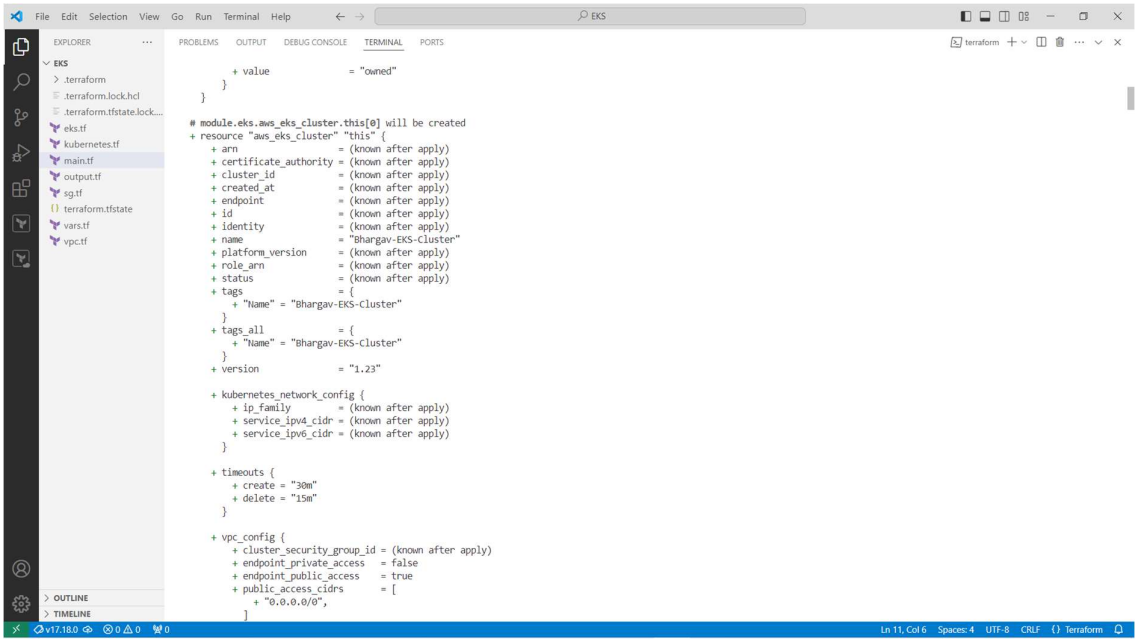
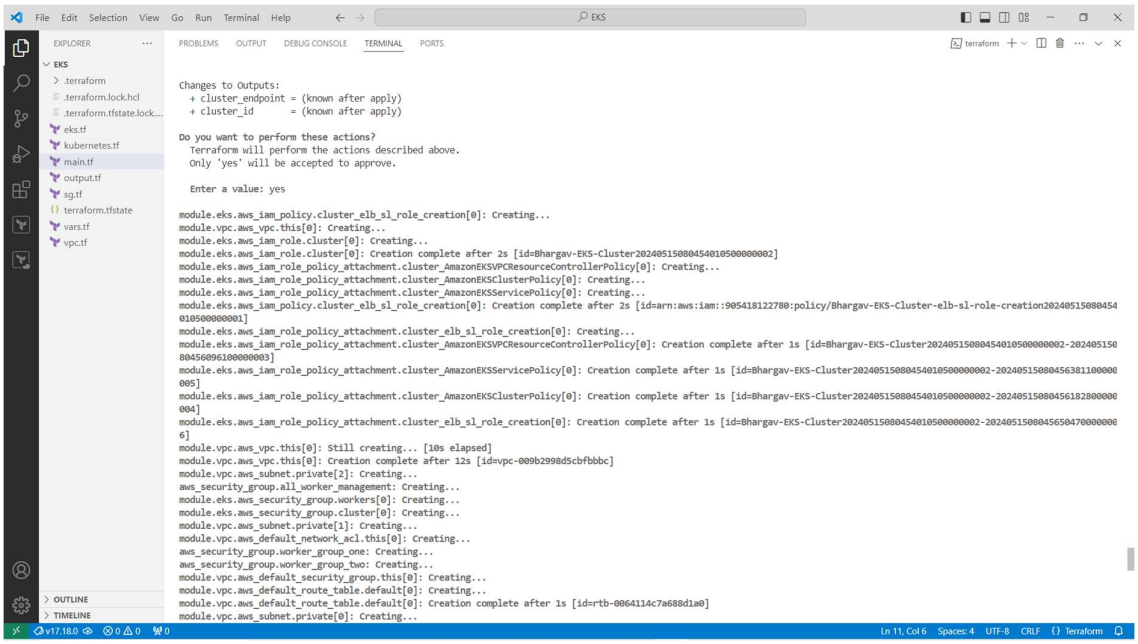
Terraform init: Run the following command in our VS Code inside the working directory and then it'll download all the necessary providers and all the other required modules. Run



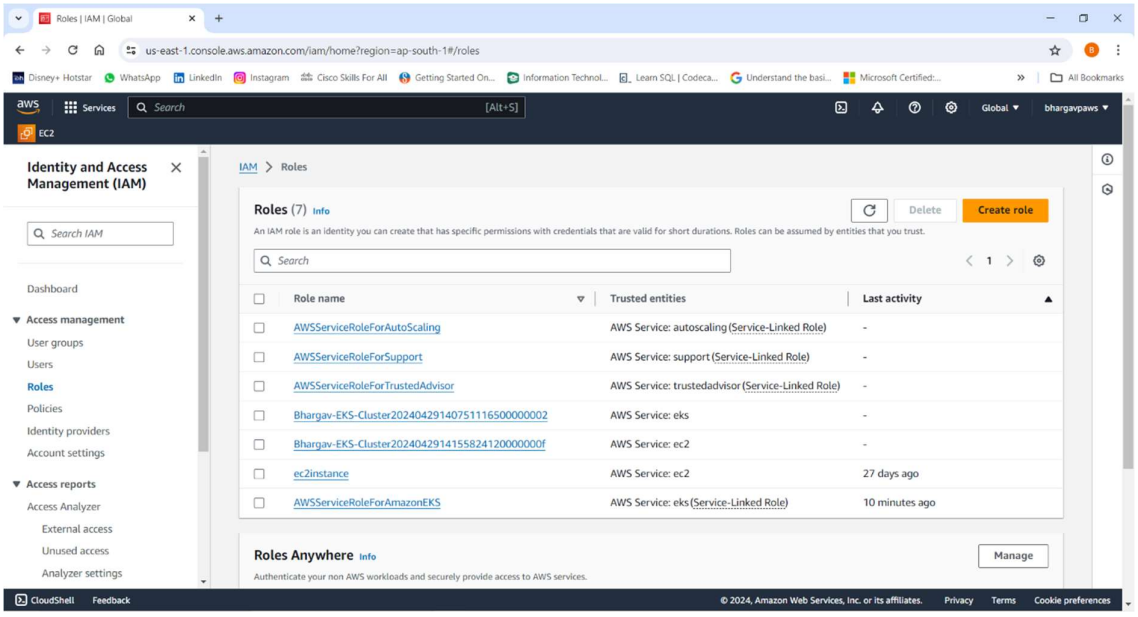
Terraform Plan: Run terraform plan command in the working directory and it'll give you the execution plan.



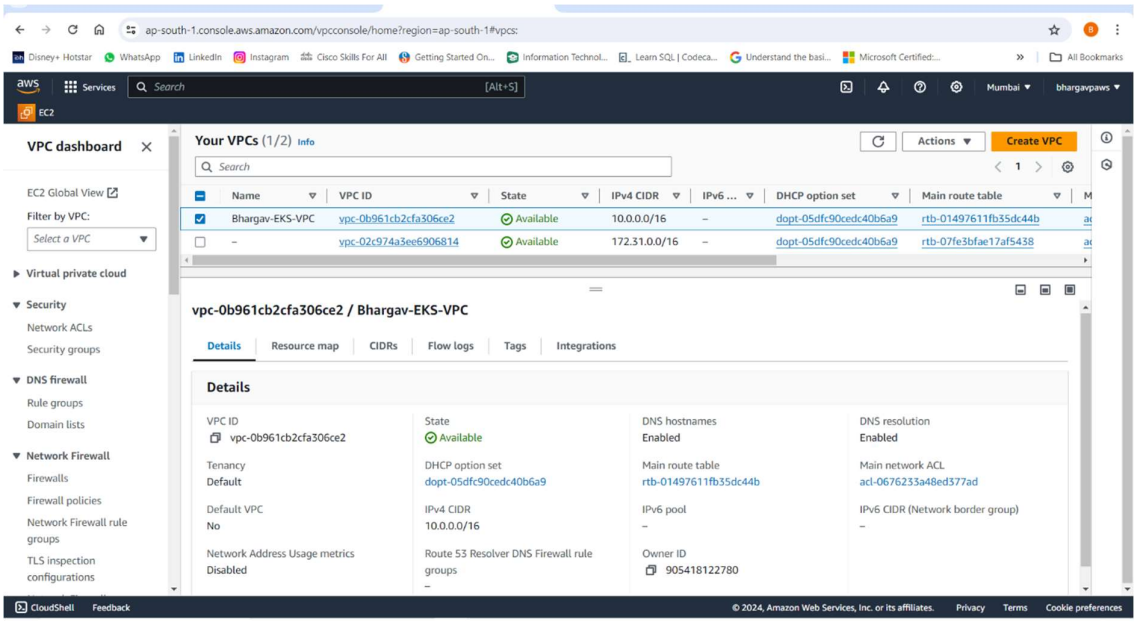
Terraform apply: Run terraform apply command and it will create the entire Kubernetes Cluster on AWS i:e; AWS EKS cluster.



IAM Roles:



VPC:


ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#vpcs:
Services
Search
[Alt+S]
Mumbai
bhargavpaws
EC2
VPC dashboard
EC2 Global View
Filter by VPC:
Select a VPC
Virtual private cloud
Security
Network ACLs
Security groups
DNS firewall
Rule groups
Domain lists
Network Firewall
Firewalls
Firewall policies
Network Firewall rule groups
TLS inspection configurations
Your VPCs (1/2) Info
Actions
Create VPC
Name
VPC ID
State
IPv4 CIDR
IPv6 ...
DHCP option set
Main route table
Bhargav-EKS-VPC
vpc-0b961cb2cfa306ce2
Available
10.0.0.0/16
dopt-05dfc90cedc40b6a9
rtb-01497611fb35dc44b
vpc-02c974a3ee6906814
Available
172.31.0.0/16
dopt-05dfc90cedc40b6a9
rtb-07fe3bfae17af5438
vpc-0b961cb2cfa306ce2 / Bhargav-EKS-VPC
Details
Resource map
CIDRs
Flow logs
Tags
Integrations
Details
VPC ID
vpc-0b961cb2cfa306ce2
State
Available
DNS hostnames
Enabled
DNS resolution
Enabled
Tenancy
Default
DHCP option set
dopt-05dfc90cedc40b6a9
Main route table
rtb-01497611fb35dc44b
Main network ACL
acl-0676233a48ed377ad
Default VPC
No
IPv4 CIDR
10.0.0.0/16
IPv6 pool
IPv6 CIDR (Network border group)
Network Address Usage metrics
Disabled
Route 53 Resolver DNS Firewall rule groups
Owner ID
905418122780
CloudShell
Feedback
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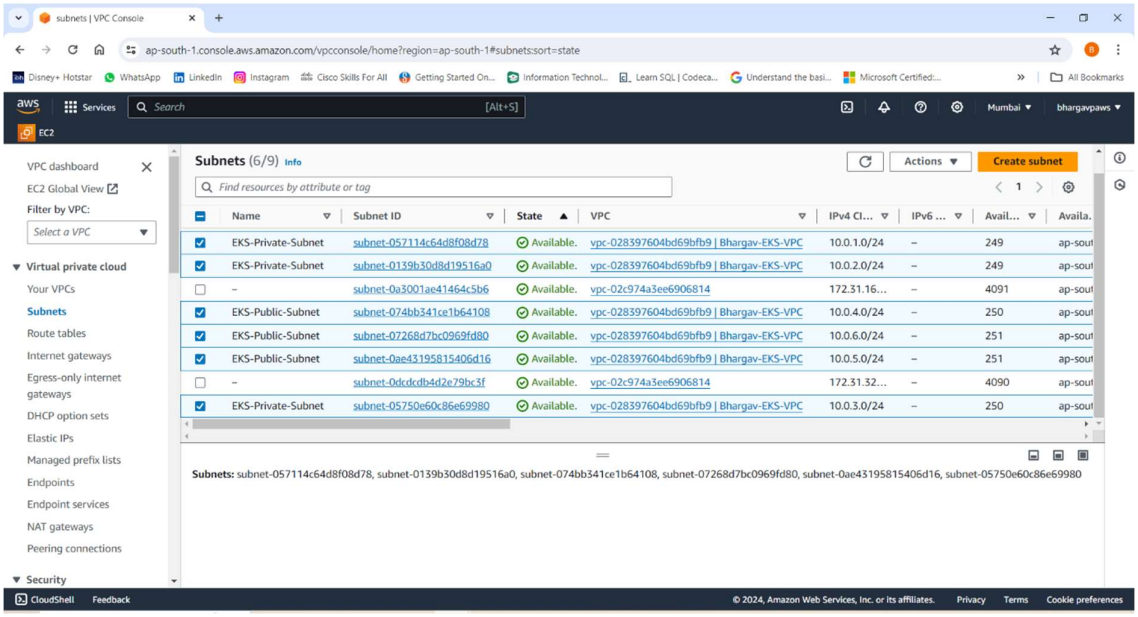
Subnets:


subnets | VPC Console
ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#subnets:sort=state
Services
Search
[Alt+S]
Mumbai
bhargavpaws
EC2
VPC dashboard
EC2 Global View
Filter by VPC:
Select a VPC
Virtual private cloud
Your VPCs
Subnets
Route tables
Internet gateways
Egress-only internet gateways
DHCP option sets
Elastic IPs
Managed prefix lists
Endpoints
Endpoint services
NAT gateways
Peering connections
Security
Subnets (6/9) Info
Actions
Create subnet
Find resources by attribute or tag
Name
Subnet ID
State
VPC
IPv4 CI...
IPv6 ...
Avail...
Availa...
EKS-Private-Subnet
subnet-057114c64d8f08d78
Available
vpc-028397604bd69bfb9 | Bhargav-EKS-VPC
10.0.1.0/24
249
ap-sout
EKS-Private-Subnet
subnet-0139b30d8d19516a0
Available
vpc-028397604bd69bfb9 | Bhargav-EKS-VPC
10.0.2.0/24
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ap-sout
subnet-0a3001ae41464c5b6
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vpc-02c974a3ee6906814
172.31.16...
4091
ap-sout
EKS-Public-Subnet
subnet-074bb341ce1b64108
Available
vpc-028397604bd69bfb9 | Bhargav-EKS-VPC
10.0.4.0/24
250
ap-sout
EKS-Public-Subnet
subnet-07268d7bc0969fd80
Available
vpc-028397604bd69bfb9 | Bhargav-EKS-VPC
10.0.6.0/24
251
ap-sout
EKS-Public-Subnet
subnet-0ae43195815406d16
Available
vpc-028397604bd69bfb9 | Bhargav-EKS-VPC
10.0.5.0/24
251
ap-sout
subnet-0dcdcdb4d2e79bc3f
Available
vpc-02c974a3ee6906814
172.31.32...
4090
ap-sout
EKS-Private-Subnet
subnet-05750e60c86e69980
Available
vpc-028397604bd69bfb9 | Bhargav-EKS-VPC
10.0.3.0/24
250
ap-sout
Subnets: subnet-057114c64d8f08d78, subnet-0139b30d8d19516a0, subnet-074bb341ce1b64108, subnet-07268d7bc0969fd80, subnet-0ae43195815406d16, subnet-05750e60c86e69980
CloudShell
Feedback
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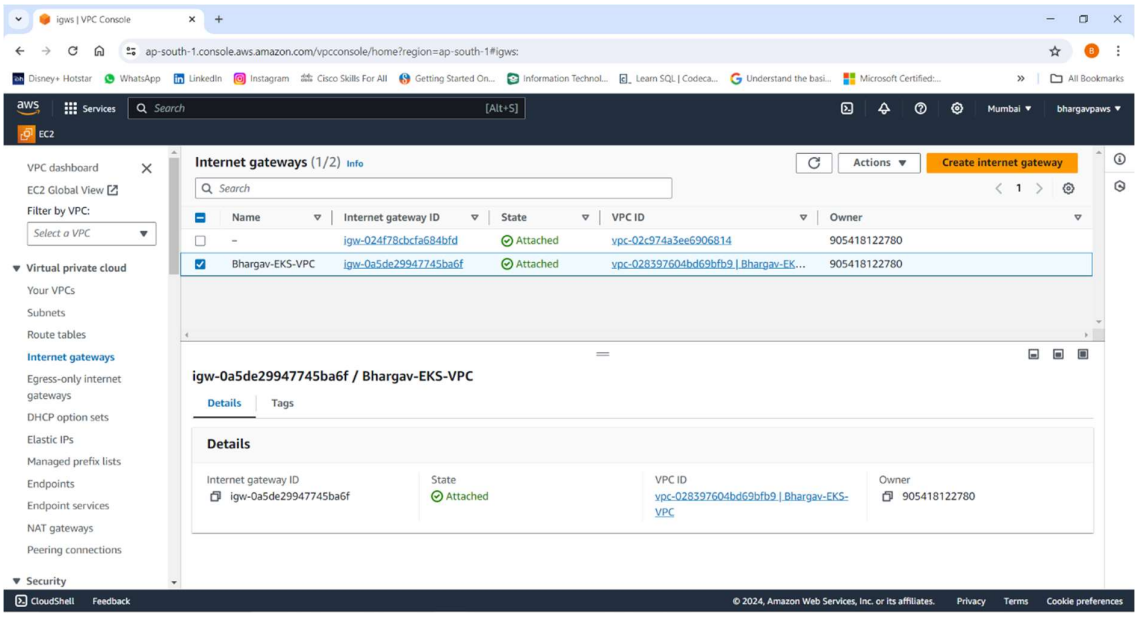
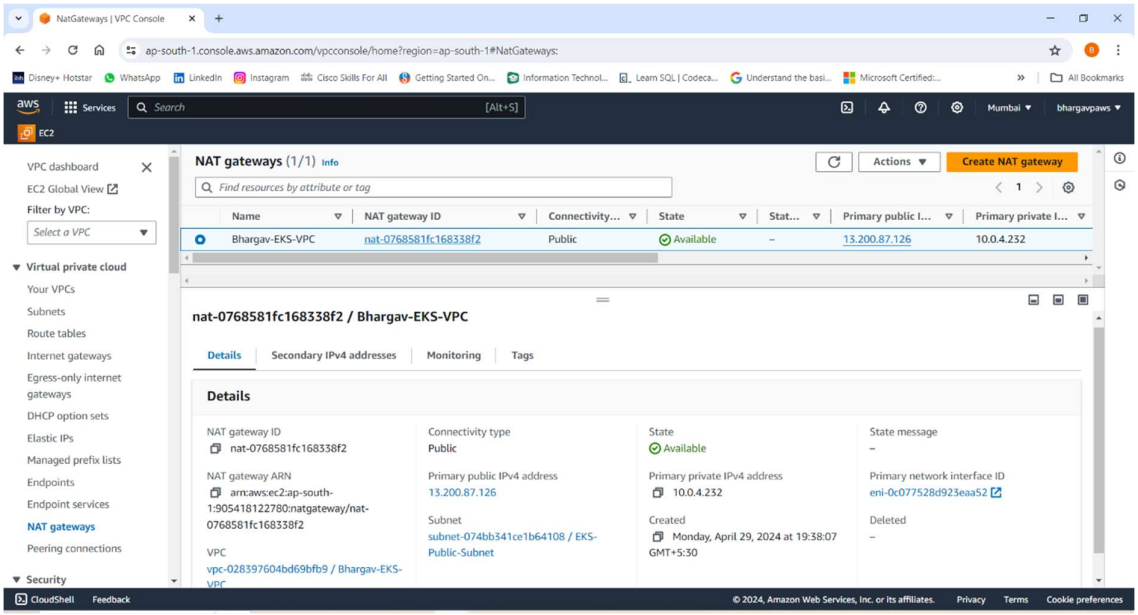
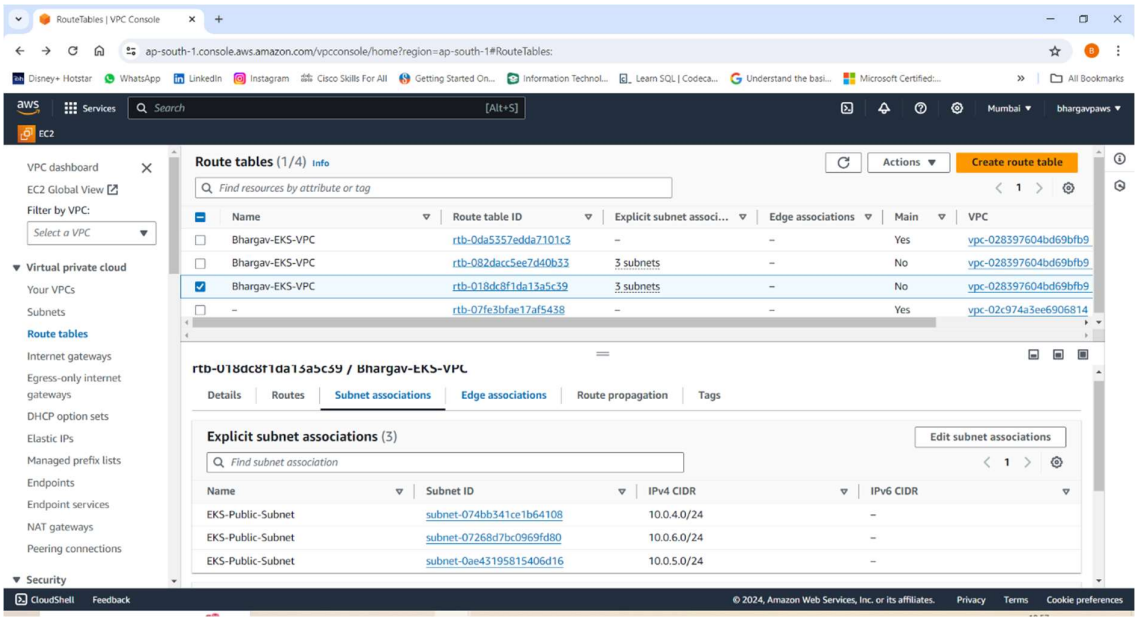
Internet gateways:



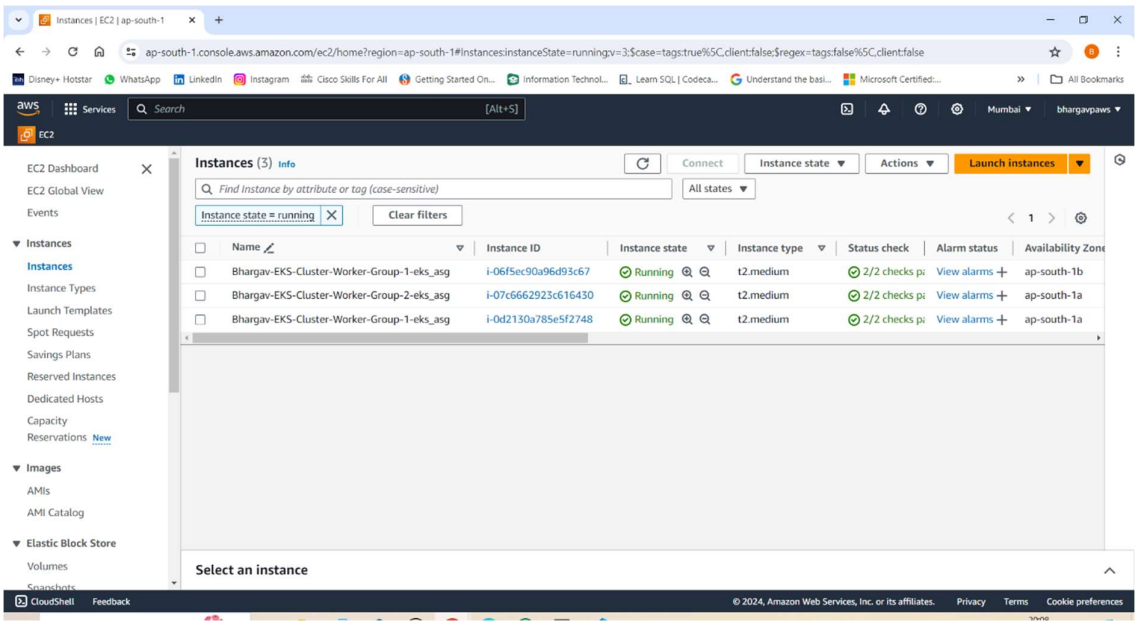
NAT Gateway:



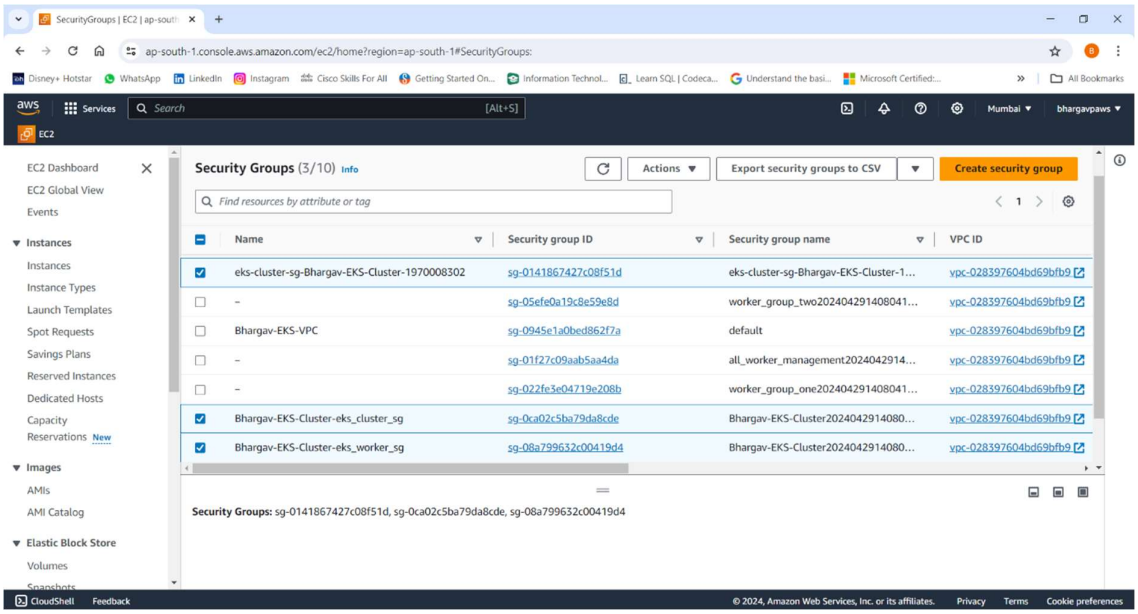
Route Tables:



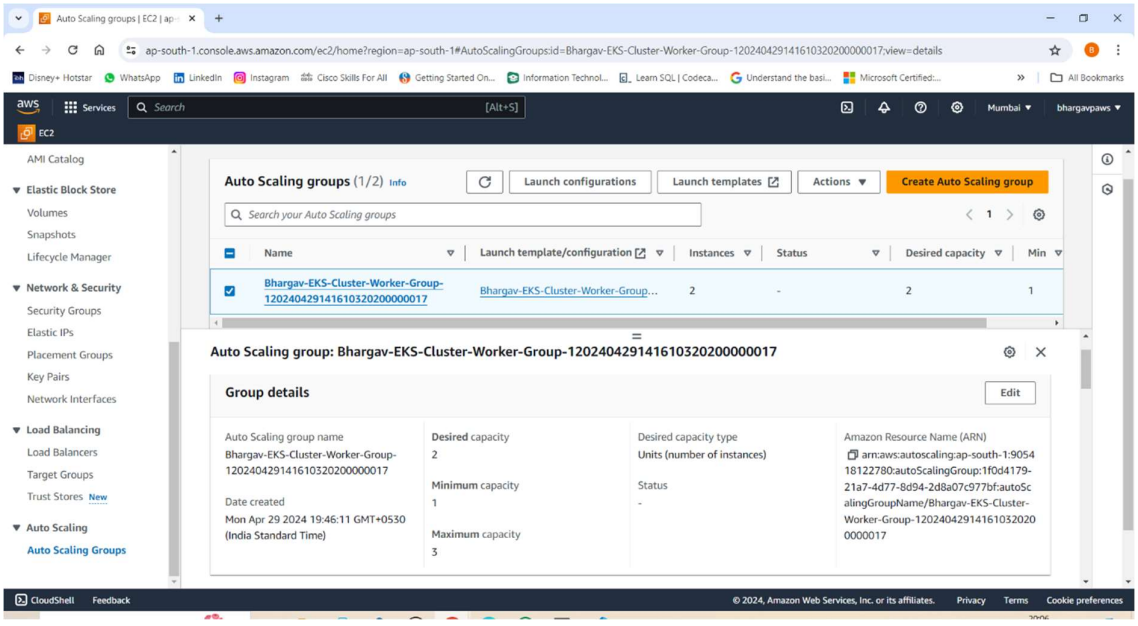
EC2 instances:

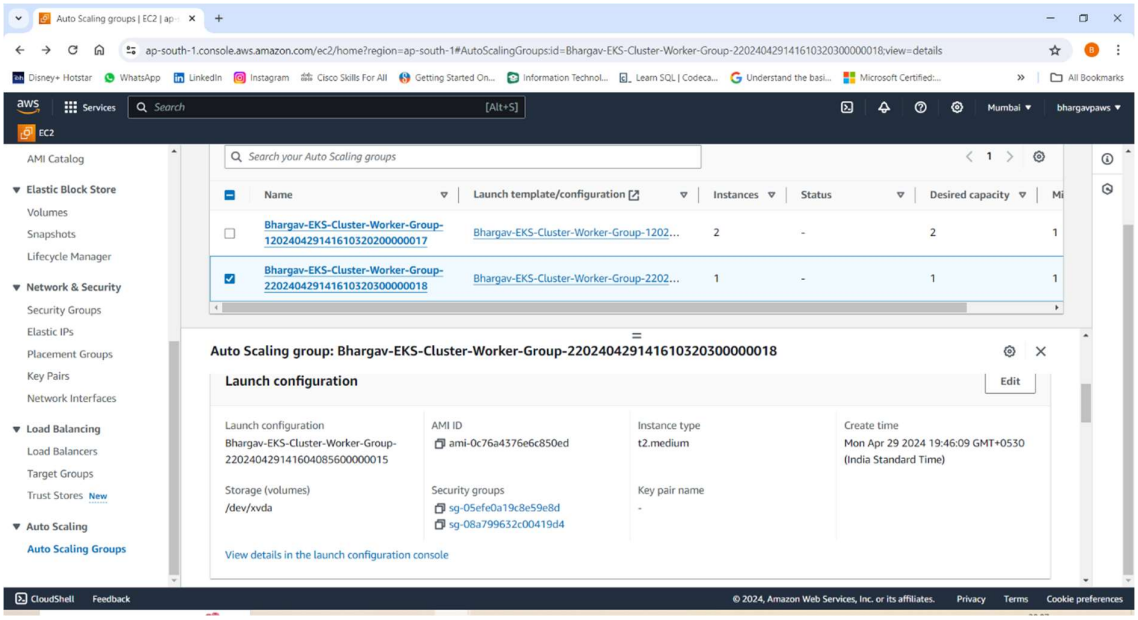


Security groups:



Auto Scaling group:




Auto Scaling groups | EC2 | ap-
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#AutoScalingGroups:id=Bhargav-EKS-Cluster-Worker-Group-22024042914161032030000018;view=details
Disney+ Hotstar
WhatsApp
LinkedIn
Instagram
Cisco Skills For All
Getting Started On...
Information Technol...
Learn SQL | Codeca...
Understand the basi...
Microsoft Certified:...
All Bookmarks
aws
Services
Search
[Alt+S]
Mumbai
bhargavpaws
EC2
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Network & Security
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
Load Balancing
Load Balancers
Target Groups
Trust Stores New
Auto Scaling
Auto Scaling Groups
Search your Auto Scaling groups
Name
Launch template/configuration
Instances
Status
Desired capacity
Bhargav-EKS-Cluster-Worker-Group-120240429141610320200000017
Bhargav-EKS-Cluster-Worker-Group-1202...
2
-
2
1
Bhargav-EKS-Cluster-Worker-Group-220240429141610320300000018
Bhargav-EKS-Cluster-Worker-Group-2202...
1
-
1
1
Auto Scaling group: Bhargav-EKS-Cluster-Worker-Group-22024042914161032030000018
Launch configuration
Edit
Launch configuration
Bhargav-EKS-Cluster-Worker-Group-22024042914160408560000015
AMI ID
ami-0c76a4376e6c850ed
Instance type
t2.medium
Create time
Mon Apr 29 2024 19:46:09 GMT+0530 (India Standard Time)
Storage (volumes)
/dev/xvda
Security groups
sg-05efe0a19c8e59e8d
sg-08a799632c00419d4
Key pair name
-
View details in the launch configuration console
CloudShell
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