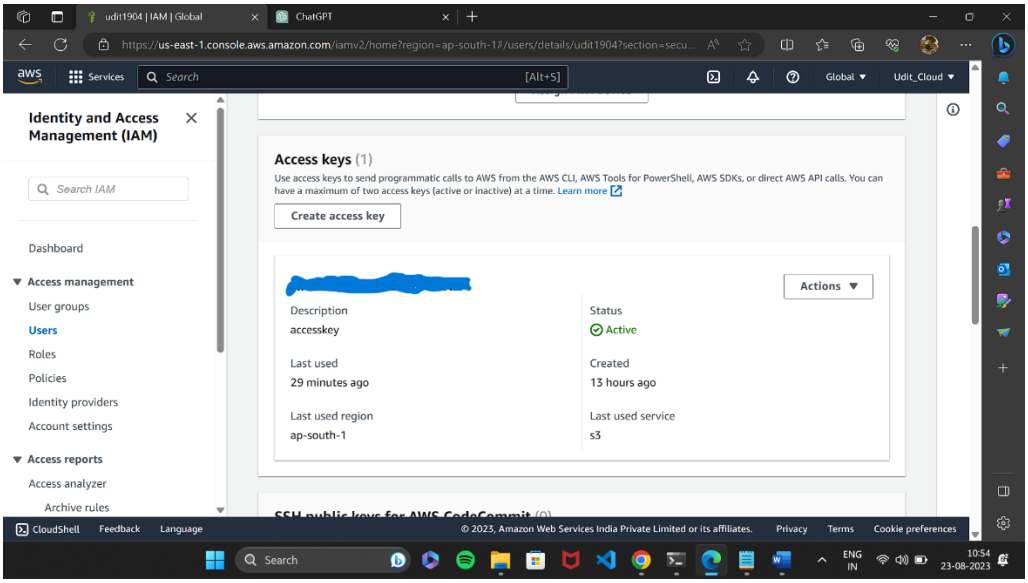
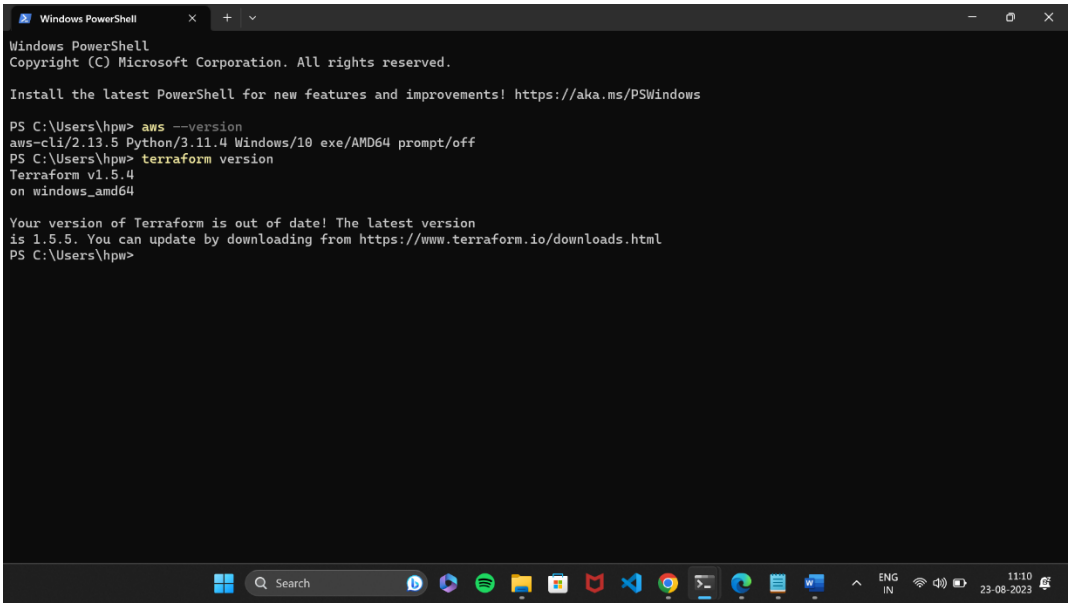
Infrastructure as Code (IaaC)

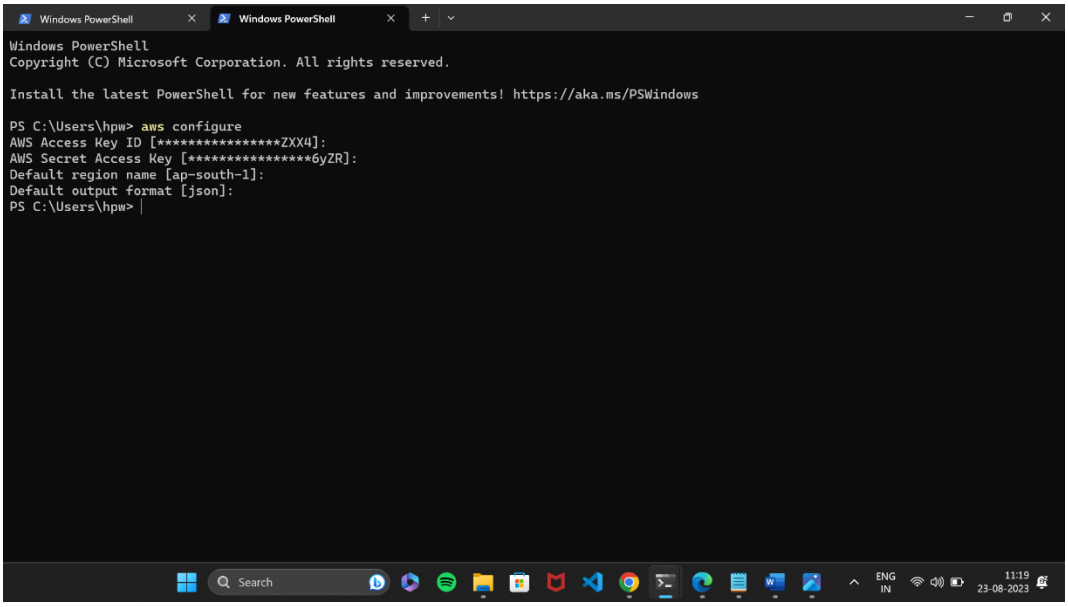
1. Install Terraform
2. Install AWS CLI
3. Create IAM Role From Root Account and Create Access Key and Secret Key (Console > IAM > Users > (Select Created User) > Security Credentials > Access Keys) Save the Keys.



4. Goto Command Prompt/ PowerShell / Terminal and make sure aws cli and terraform is installed in your machine. You can do it by giving command like - "**aws --version**" and "**terraform version**"

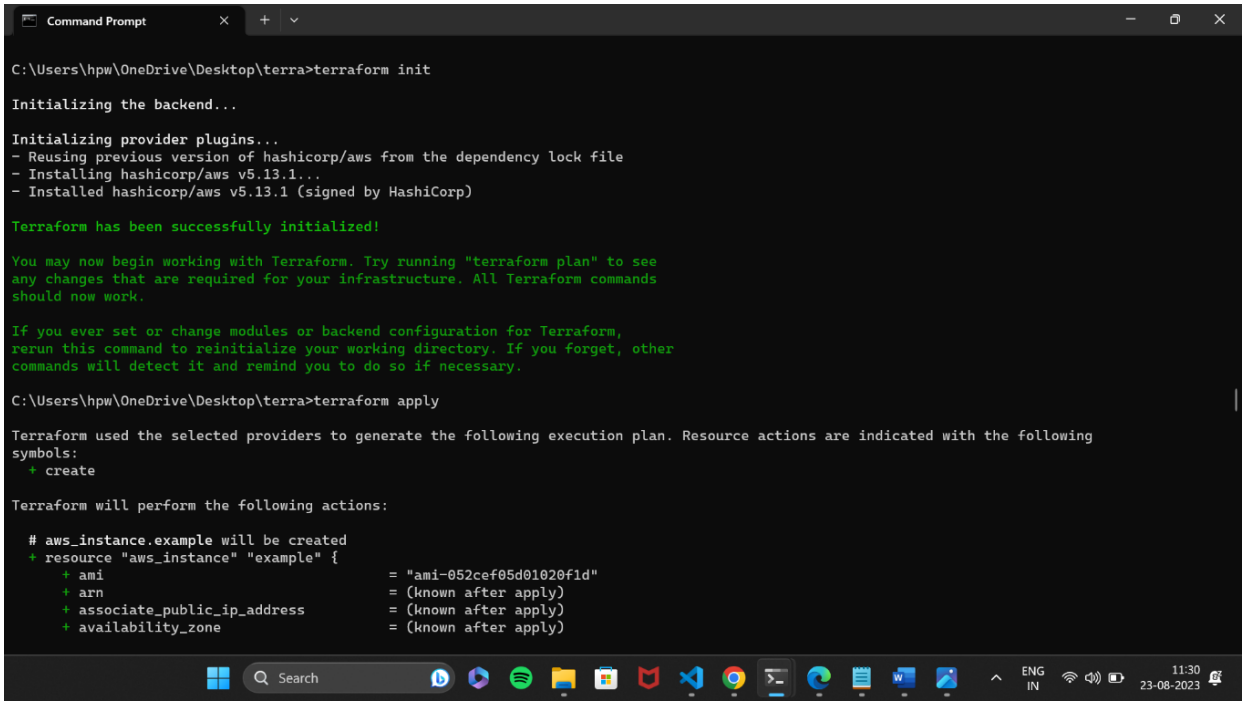


5.Now Configure aws credentials, give command "**aws configure**" and give your access key and secret key.

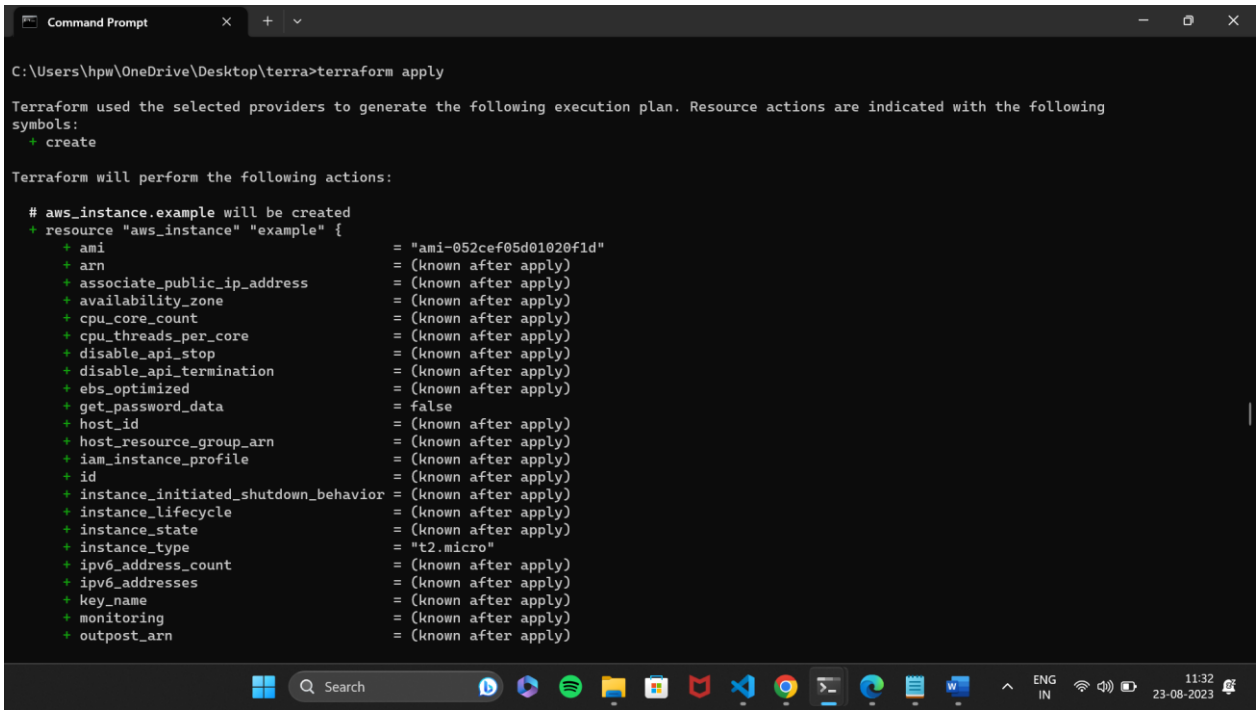


6.Now Create Terraform configuration File and name it according to your preference common name can be main.tf

7.Now Set PATH where you have saved terraform config file and run command “**terraform init**”.

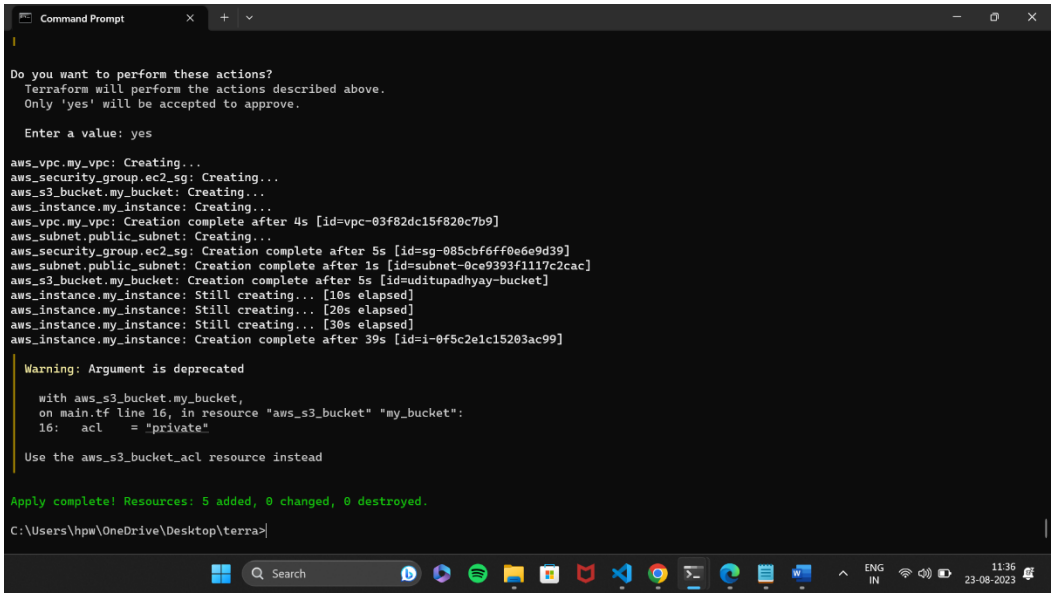


8.Then run command terraform apply



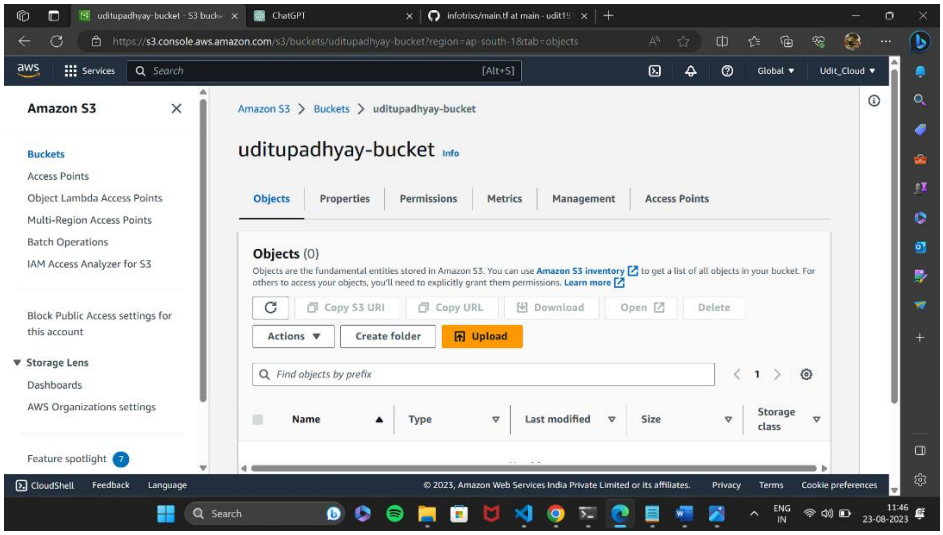
9. You will Get Confirmation message to perform action which you put in terraform config and then type “yes” to execute them.

10. You will see message appear on prompt that “Apply Complete!” with added resource, changes and destruction of resources.

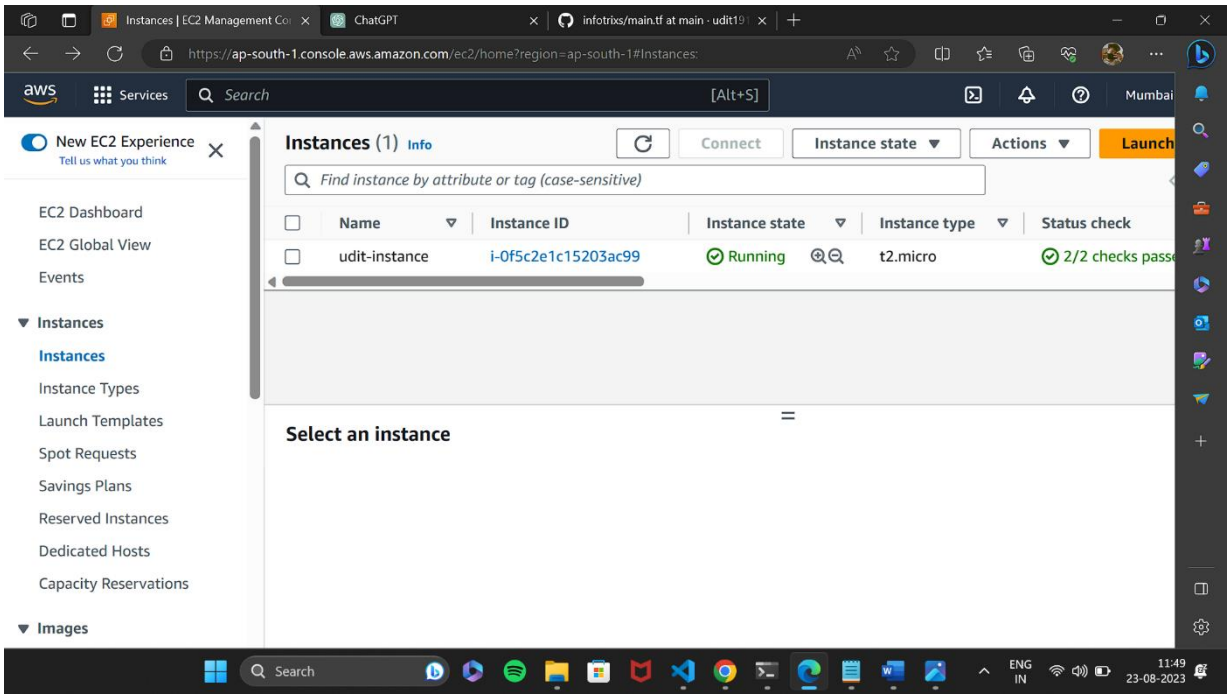


11. Now Goto AWS Management Console and Check Resources which you created are visible in aws or not.

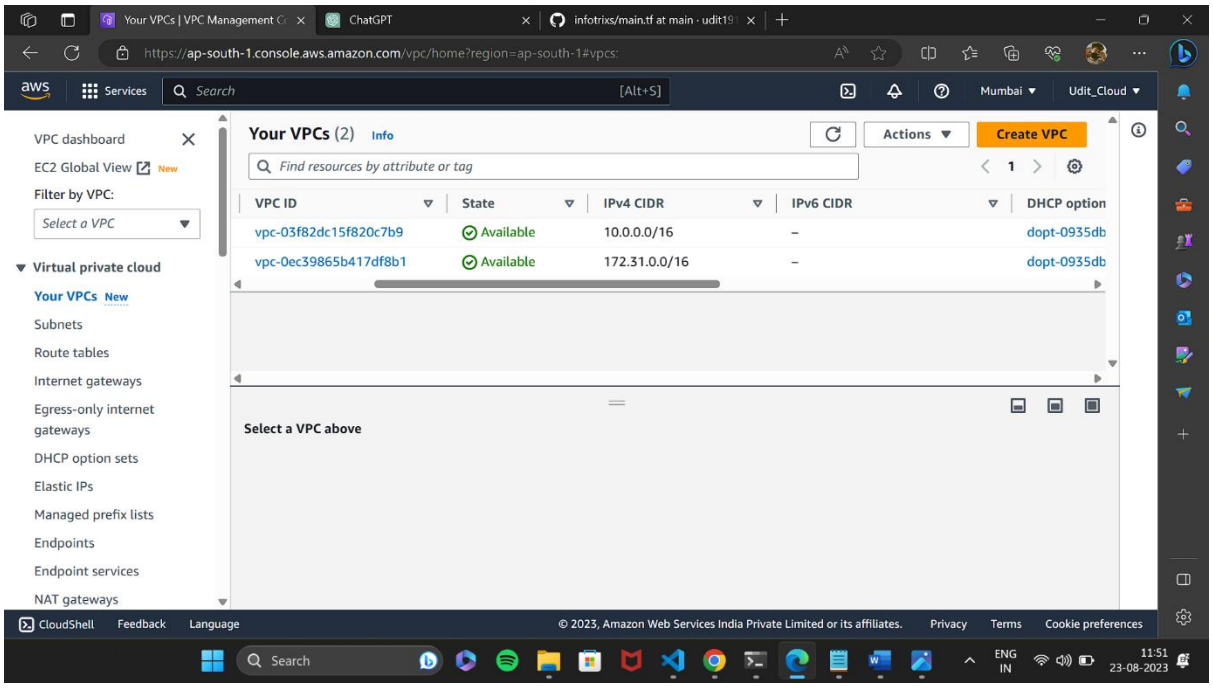
S3:



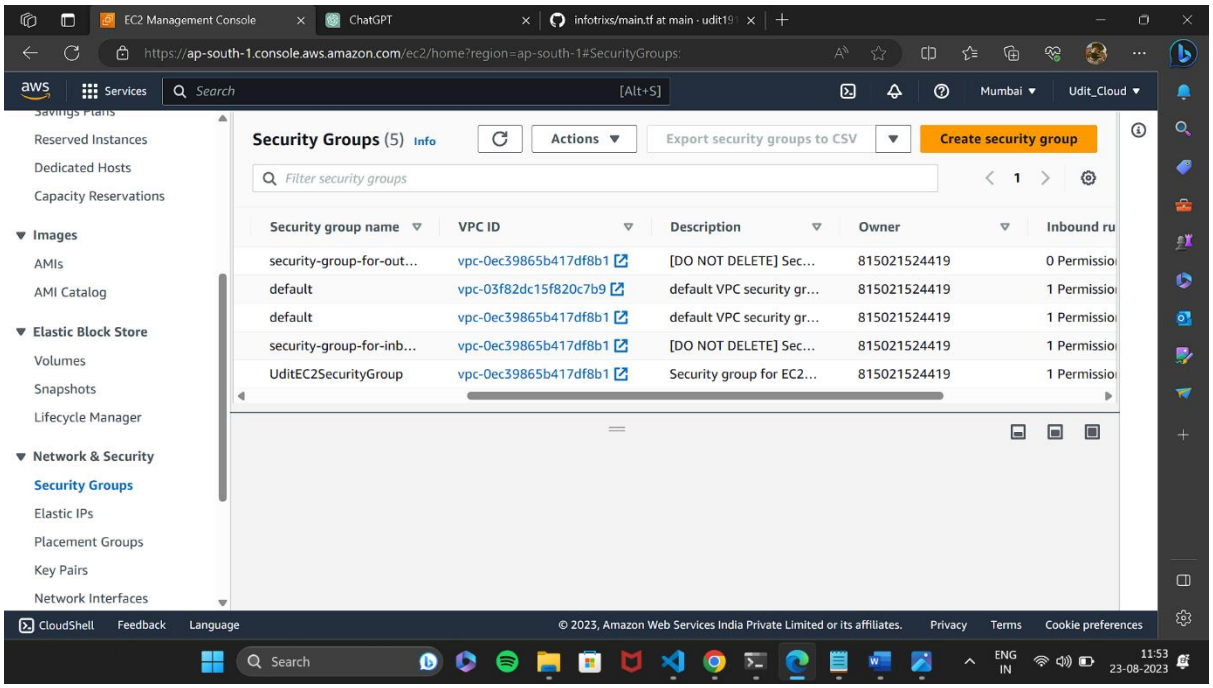
EC2:


Instances | EC2 Management Co
ChatGPT
infotrixs/main.tf at main · udit19
https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:
aws
Services
Search
[Alt+S]
Mumbai
New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
Instances (1) Info
Connect
Instance state
Actions
Launch
Find instance by attribute or tag (case-sensitive)
Name
Instance ID
Instance state
Instance type
Status check
udit-instance
i-0f5c2e1c15203ac99
Running
t2.micro
2/2 checks passe
Select an instance
Search
ENG
IN
11:49
23-08-2023

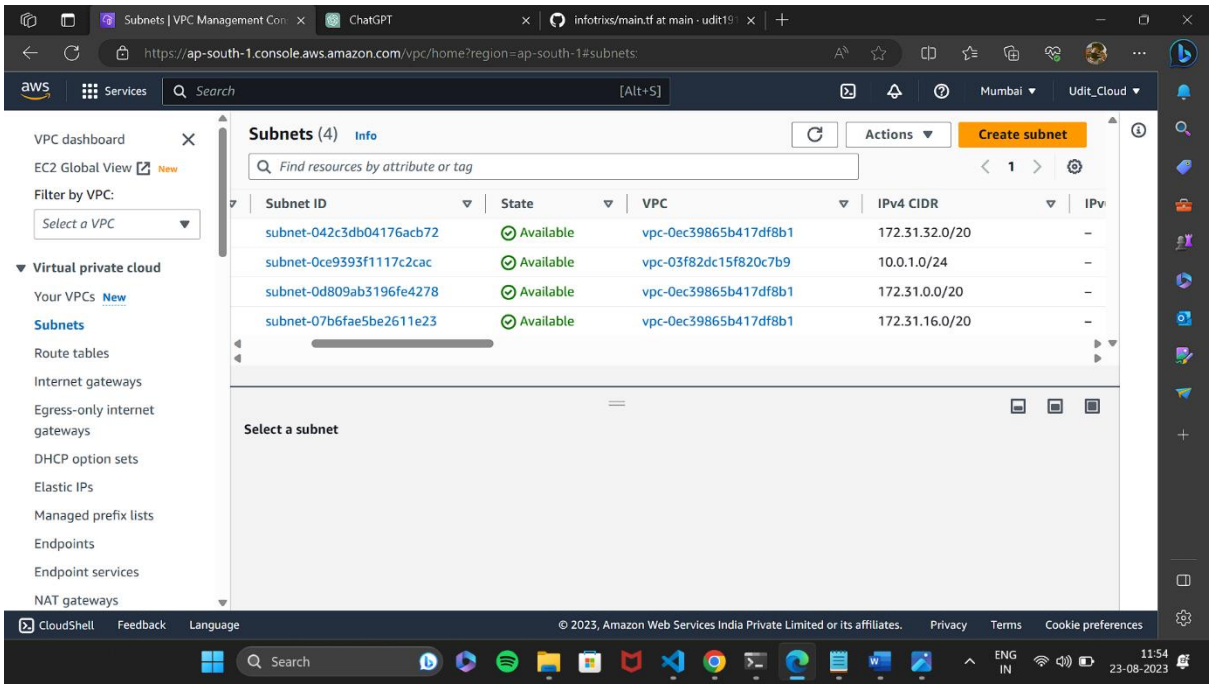
VPC:


Your VPCs | VPC Management Co
ChatGPT
infotrixs/main.tf at main · udit19
https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#vpcs:
aws
Services
Search
[Alt+S]
Mumbai
Udit_Cloud
VPC dashboard
EC2 Global View
New
Filter by VPC:
Select a VPC
Virtual private cloud
Your VPCs New
Subnets
Route tables
Internet gateways
Egress-only internet gateways
DHCP option sets
Elastic IPs
Managed prefix lists
Endpoints
Endpoint services
NAT gateways
Your VPCs (2) Info
Actions
Create VPC
Find resources by attribute or tag
VPC ID
State
IPv4 CIDR
IPv6 CIDR
DHCP option
vpc-03f82dc15f820c7b9
Available
10.0.0.0/16
dopt-0935db
vpc-0ec39865b417df8b1
Available
172.31.0.0/16
dopt-0935db
Select a VPC above
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
Search
ENG
IN
11:51
23-08-2023

SECURITY GROUP:



SUBNET:



OPTIONAL

You Can Also Delete All Resources Created By Terraform By Just Running Command “**Terraform destroy**”