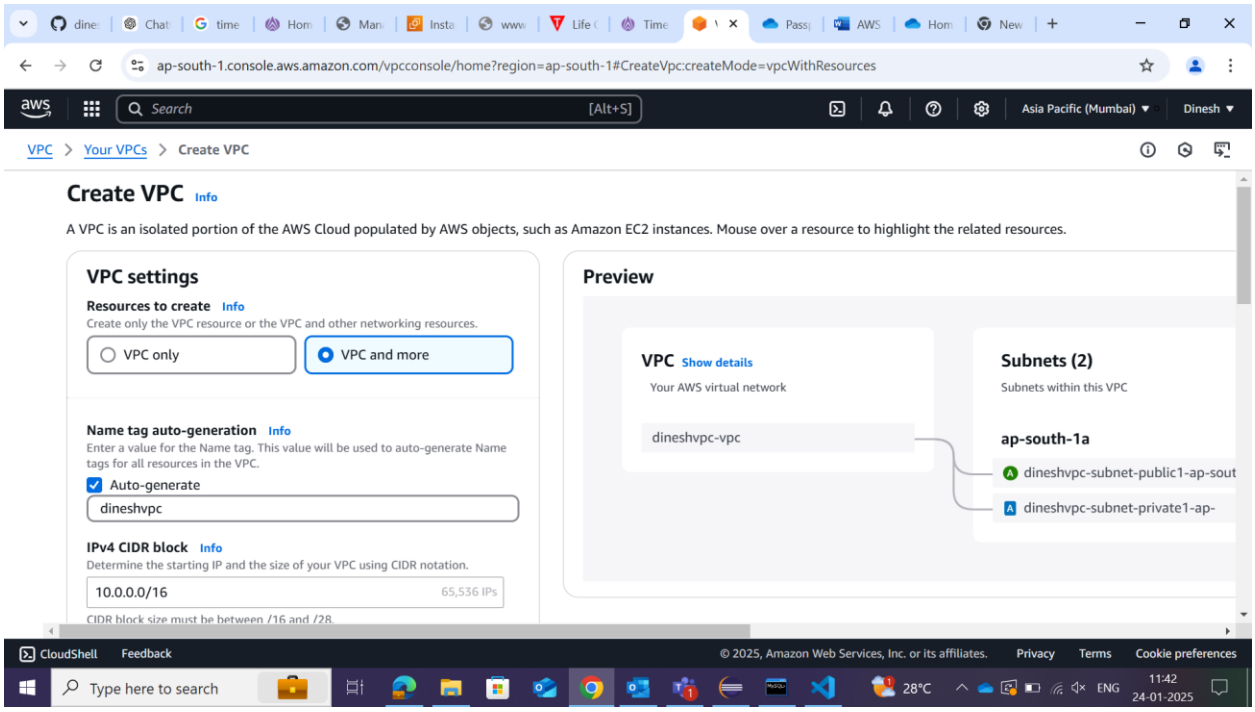
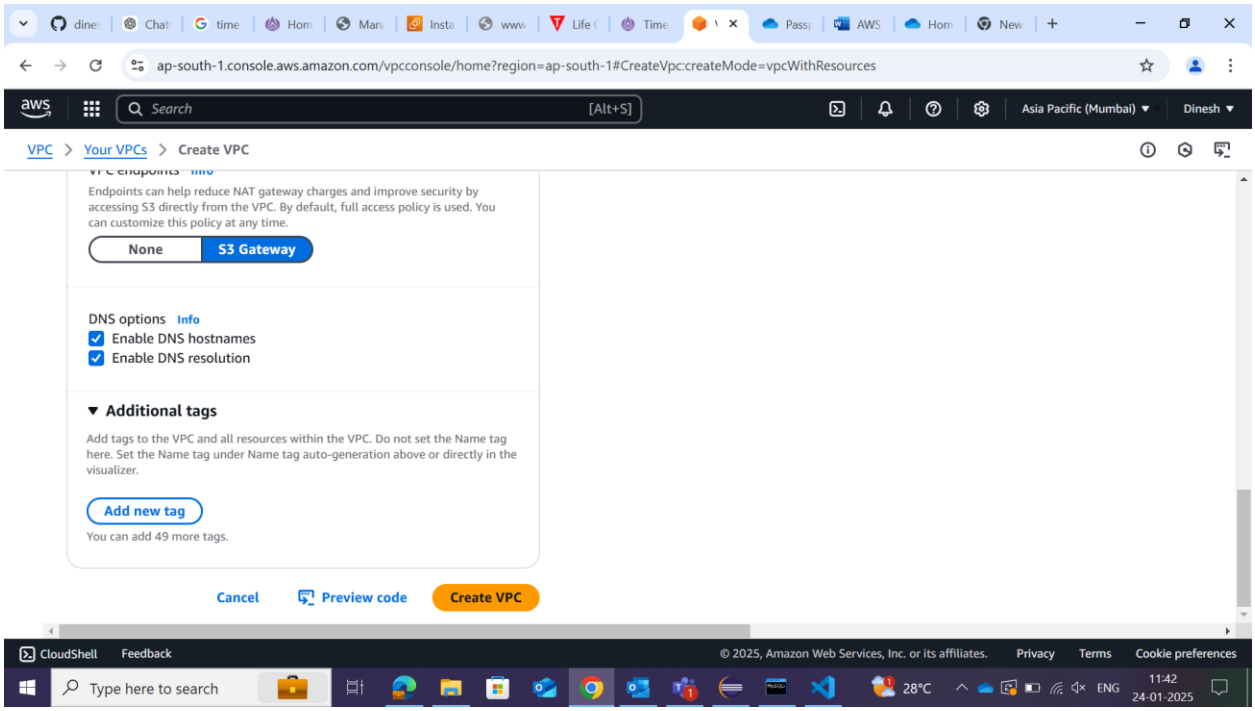
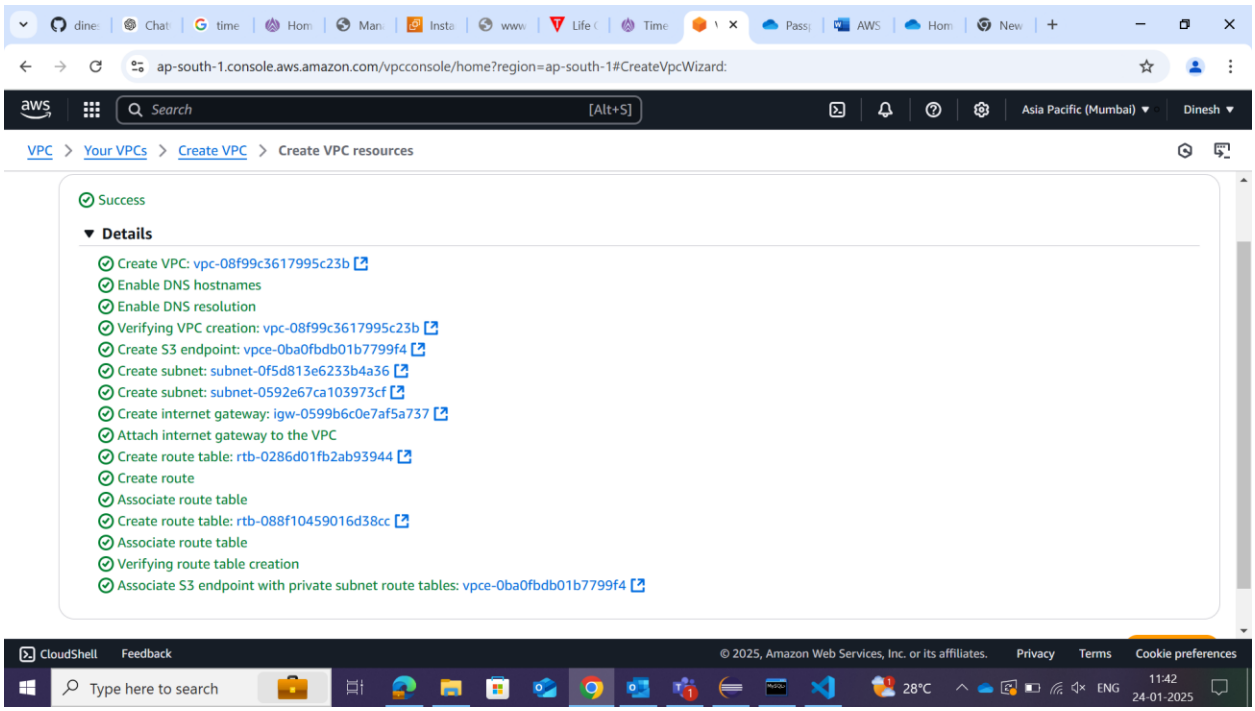
AWS TASK – 3

Create VPC and Providing Private connection






ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#CreateVpcWizard:
Search [Alt+S]
Asia Pacific (Mumbai)
Dinesh
VPC > Your VPCs > Create VPC > Create VPC resources
Success
Details
Create VPC: vpc-08f99c3617995c23b
Enable DNS hostnames
Enable DNS resolution
Verifying VPC creation: vpc-08f99c3617995c23b
Create S3 endpoint: vpce-0ba0fbdb01b7799f4
Create subnet: subnet-0f5d813e6233b4a36
Create subnet: subnet-0592e67ca103973cf
Create internet gateway: igw-0599b6c0e7af5a737
Attach internet gateway to the VPC
Create route table: rtb-0286d01fb2ab93944
Create route
Associate route table
Create route table: rtb-088f10459016d38cc
Associate route table
Verifying route table creation
Associate S3 endpoint with private subnet route tables: vpce-0ba0fbdb01b7799f4
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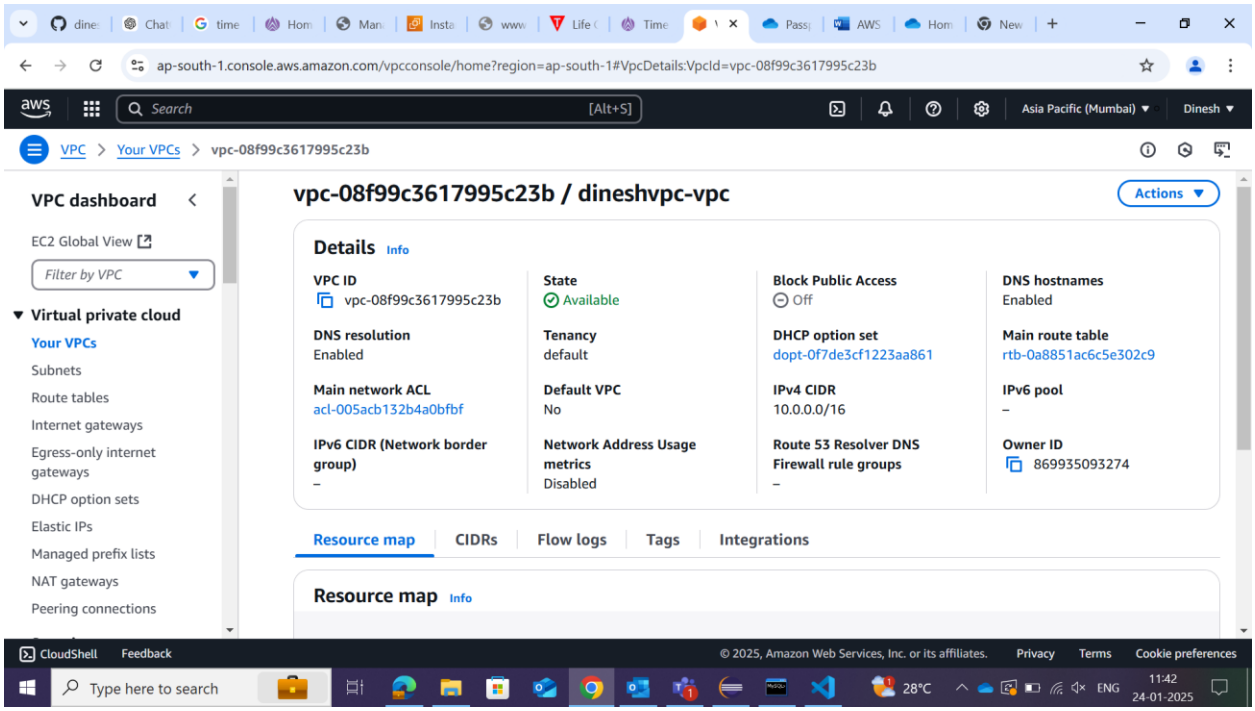
ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#VpcDetails:VpcId=vpc-08f99c3617995c23b
Search [Alt+S]
Asia Pacific (Mumbai)
Dinesh
VPC > Your VPCs > vpc-08f99c3617995c23b
VPC dashboard
EC2 Global View
Filter by VPC
Virtual private cloud
Your VPCs
Subnets
Route tables
Internet gateways
Egress-only internet gateways
DHCP option sets
Elastic IPs
Managed prefix lists
NAT gateways
Peering connections
vpc-08f99c3617995c23b / dineshvpc-vpc
Actions
Details Info
VPC ID
vpc-08f99c3617995c23b
State
Available
Block Public Access
Off
DNS hostnames
Enabled
DNS resolution
Enabled
Tenancy
default
DHCP option set
dopt-0f7de3cf1223aa861
Main route table
rtb-0a8851ac6c5e302c9
Main network ACL
acl-005acb132b4a0bfbf
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
869935093274
Resource map
CIDRs
Flow logs
Tags
Integrations
Resource map Info
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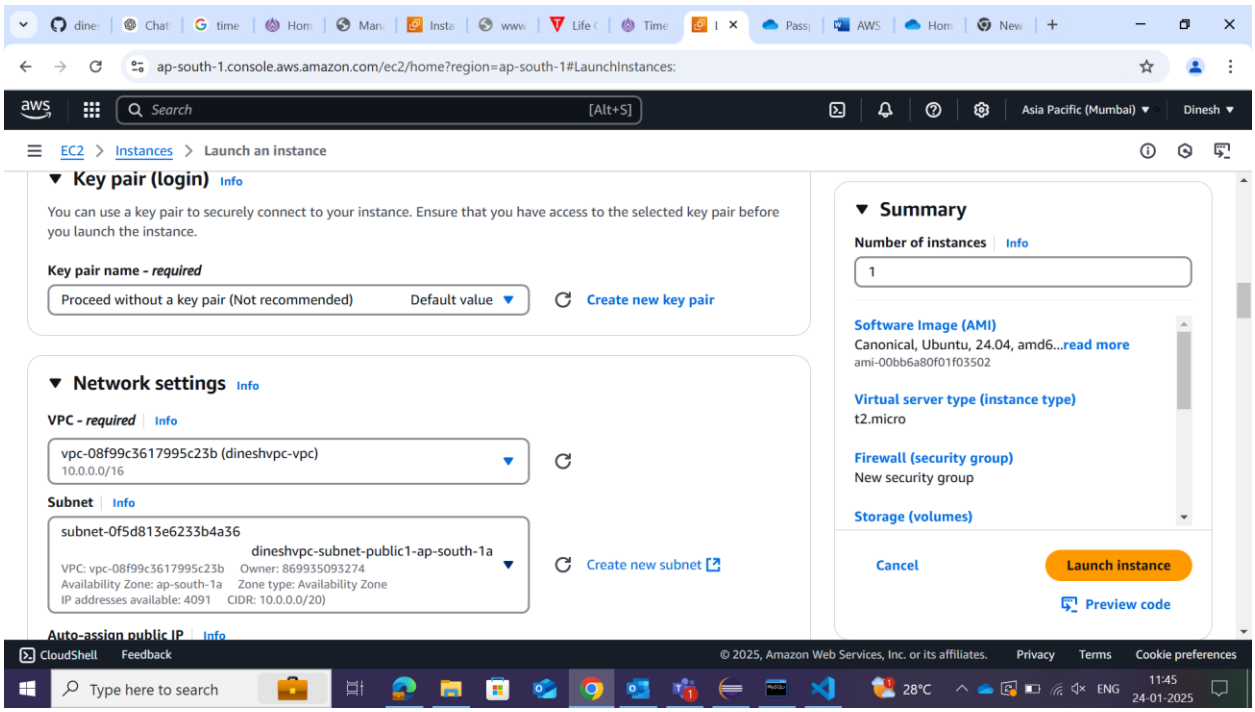
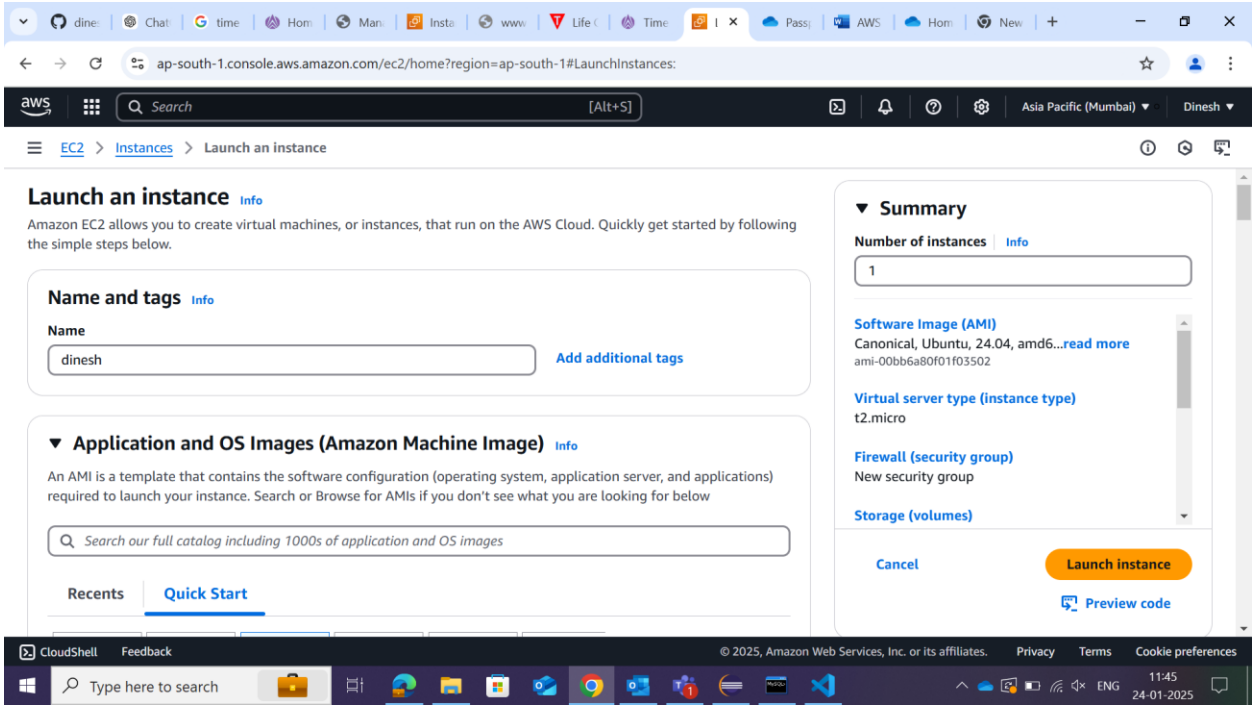
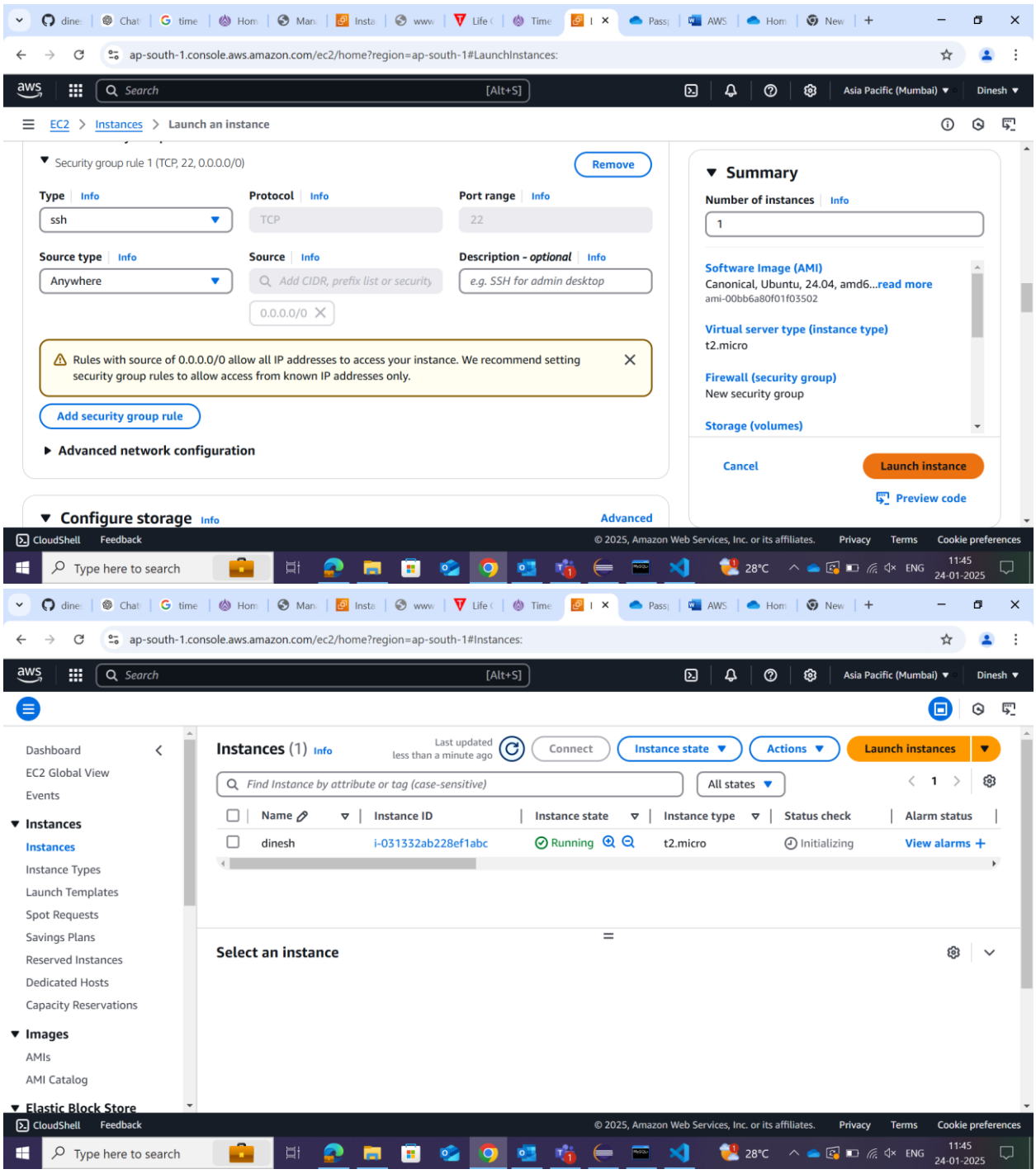
Creating EC2 instance with the created VPC






ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances:
Search [Alt+S]
Asia Pacific (Mumbai)
Dinesh
EC2 > Instances > Launch an instance
Security group rule 1 (TCP, 22, 0.0.0.0/0)
Remove
Type Info
ssh
Protocol Info
TCP
Port range Info
22
Source type Info
Anywhere
Source Info
Add CIDR, prefix list or security
0.0.0.0/0
Description - optional Info
e.g. SSH for admin desktop
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.
Add security group rule
Advanced network configuration
Configure storage Info
Advanced
Summary
Number of instances Info
1
Software Image (AMI)
Canonical, Ubuntu, 24.04, amd6...read more
ami-00bb6a80f01f03502
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
Cancel
Launch instance
Preview code
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ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:
Search [Alt+S]
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Dinesh
Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Instances (1) Info
Last updated less than a minute ago
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
All states
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
dinesh
i-031332ab228ef1abc
Running
t2.micro
Initializing
View alarms
Select an instance
CloudShell
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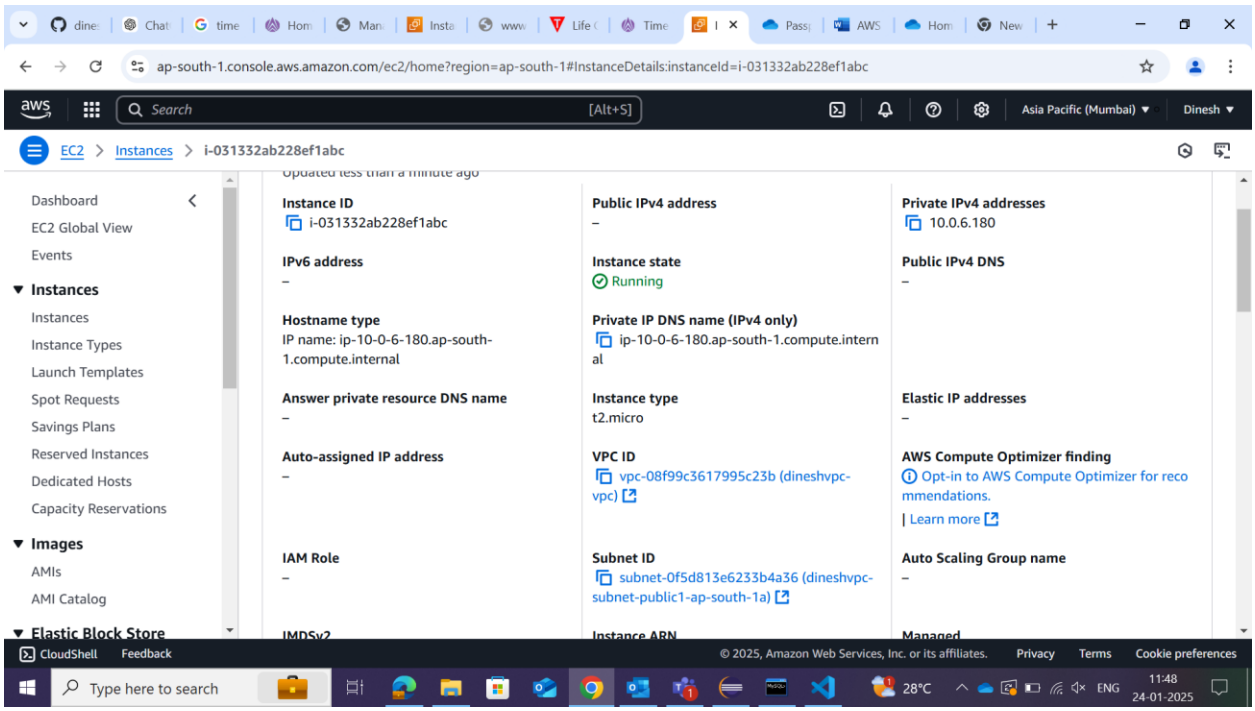
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#InstanceDetails:instanceId=i-031332ab228ef1abc
Search
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Dinesh
EC2 > Instances > i-031332ab228ef1abc
Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Instance ID
i-031332ab228ef1abc
IPv6 address
–
Hostname type
IP name: ip-10-0-6-180.ap-south-1.compute.internal
Answer private resource DNS name
–
Auto-assigned IP address
–
IAM Role
–
Public IPv4 address
–
Instance state
Running
Private IP DNS name (IPv4 only)
ip-10-0-6-180.ap-south-1.compute.internal
Instance type
t2.micro
VPC ID
vpc-08f99c3617995c23b (dineshvpc-vpc)
Subnet ID
subnet-0f5d813e6233b4a36 (dineshvpc-subnet-public1-ap-south-1a)
Private IPv4 addresses
10.0.6.180
Public IPv4 DNS
–
Elastic IP addresses
–
AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations.
Learn more
Auto Scaling Group name
–
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