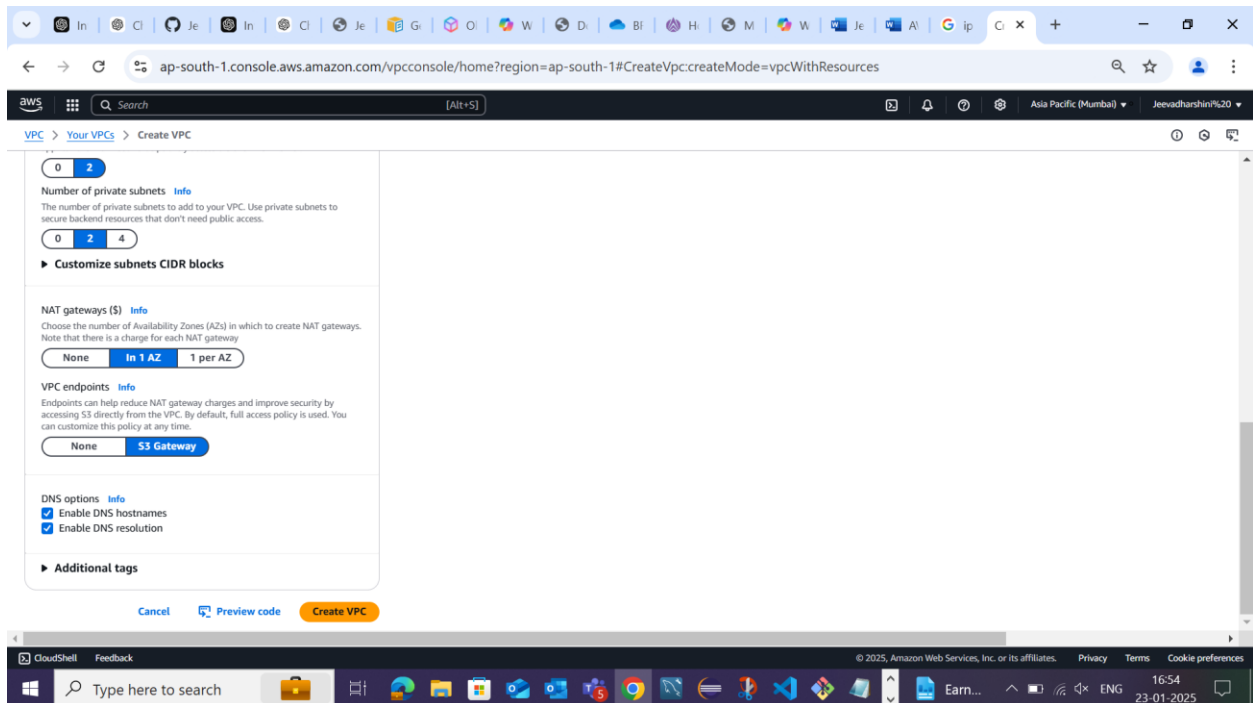
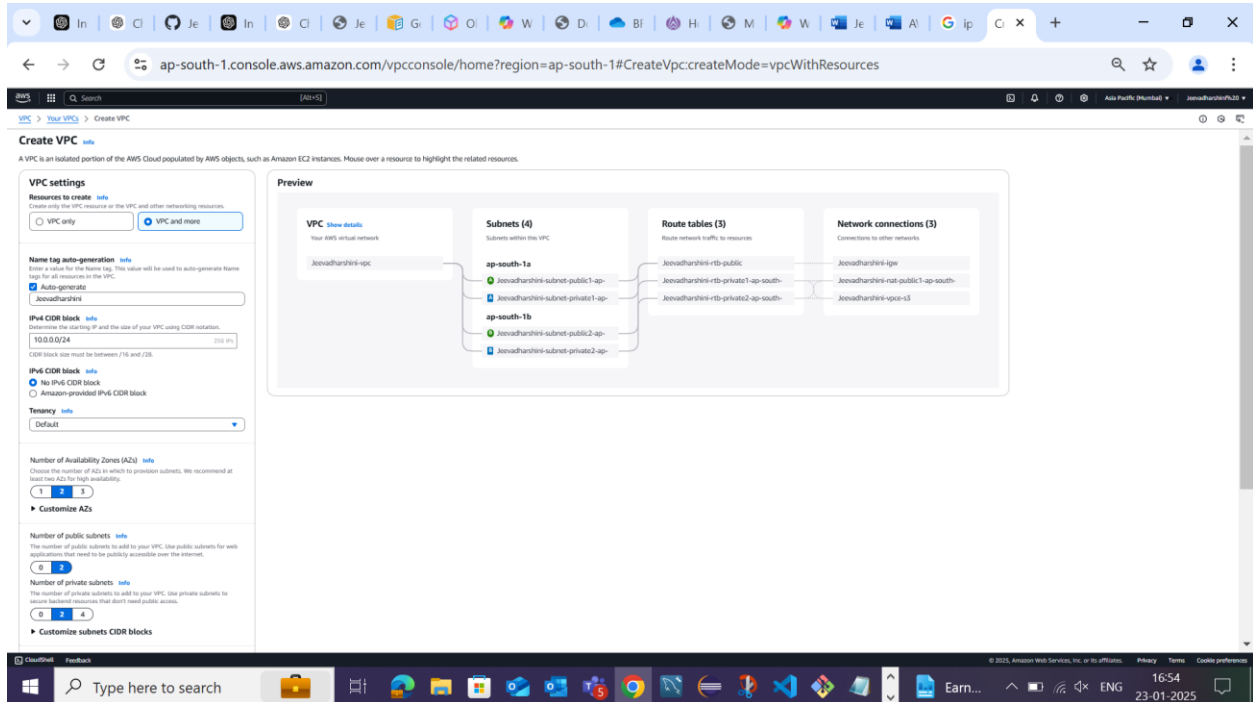


## AWS TASK 3

### 1.Creating of VPC



ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#CreateVpcWizard:

### Create VPC workflow

Success

Details

- ✓ Create VPC: vpc-071bac2e5adb461f5
- ✓ Enable DNS hostnames
- ✓ Enable DNS resolution
- ✓ Verifying VPC creation: vpc-071bac2e5adb461f5
- ✓ Create S3 endpoint: vpce-02f0b576603eca4cf
- ✓ Create subnet: subnet-0aba4aa353df6d336
- ✓ Create subnet: subnet-0ab4dce8a904e240
- ✓ Create subnet: subnet-0436d987a1ae0a2
- ✓ Create subnet: subnet-0d7914be0becba2d6
- ✓ Create internet gateway: igw-007e271cbe762384
- ✓ Attach internet gateway to the VPC
- ✓ Create route table: rtb-002de12e802dbf2d
- ✓ Create route
- ✓ Associate route table
- ✓ Associate route table
- ✓ Create route table: rtb-026621d1837578cce
- ✓ Associate route table
- ✓ Create route table: rtb-0f11cd62f21e5c4db
- ✓ Associate route table
- ✓ Verifying route table creation
- ✓ Associate S3 endpoint with private subnet route tables: vpce-02f0b576603eca4cf

View VPC

CloudShell Feedback

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## 2. VPC created

ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#VpcDetails:VpcId=vpc-071bac2e5adb461f5

### vpc-071bac2e5adb461f5 / Jeevadarshini-vpc

Details

VPC ID: vpc-071bac2e5adb461f5

DNS resolution: Enabled

Main network ACL: acl-070b62d957c167604

IPv6 CIDR (Network border group): -

State: Available

Tenancy: default

Default VPC: No

Network Address Usage metrics: Disabled

Block Public Access: Off

DHCP option set: dhcp-05a6b309d972664f

IPv4 CIDR: 10.0.0.0/24

Route 53 Resolver DNS Firewall rule groups: -

DNS hostnames: Enabled

Main route table: rtb-0091078f43d7b27ac

IPv6 pool: -

Owner ID: 084375578708

Resource map

Subnets (4)

Route tables (4)

Network connections (2)

VPC details

Subnets within this VPC

Route tables within this VPC

Network connections to other networks

ap-south-1a

ap-south-1b

Je...vadarshini-rb-private1-ap-south...

Je...vadarshini-rb-private1-a...

Je...vadarshini-rb-private2-ap-south...

Je...vadarshini-rb-private2-a...

Je...vadarshini-rb-private1-ap-south...

Je...vadarshini-rb-private1-a...

Je...vadarshini-rb-private2-ap-south...

Je...vadarshini-rb-private2-a...

Je...vadarshini-igw

Je...vadarshini-vpc-s3

Virtual private cloud

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

Security

Network ACLs

Security groups

PrivateLink and Lattice

Getting started

Endpoint services

Service networks

Lattice services

Resource configurations

Resource gateways

Target groups

DNS Firewall

Rule groups

Domain lists

Network Firewall

CloudShell Feedback

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29°C 16:57 23-01-2025

## 3. EC2 Instance Created

The screenshot shows the AWS Management Console for the 'ap-south-1' region. The 'Instances' page displays a list of instances. The instance 'i-03476789899bb0001' is selected, showing its details. The instance is in the 'Running' state, using the 't2.micro' instance type. It is associated with the 'vpc-071bac2e5adb461f5' VPC and the 'subnet-04436d987af1ae0a2' subnet. The IAM Role is 'AmazonEC2RoleforAWSCLI'. The instance has a public IP address of '13.201.58.22' and a private IP address of '10.0.0.142'.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public
i-03476789899bb0001	i-03476789899bb0001	Running	t2.micro	2/2 checks passed	View alarms +	ap-south-1a	ec2-13-201-58-22.ap-s...	13.201.58.22

**i-03476789899bb0001**

Parameter	Value
Answer private resource DNS name	-
Auto-assigned IP address	13.201.58.22 [Public IP]
IAM Role	-
IMDSv2	Required
Instance type	t2.micro
VPC ID	vpc-071bac2e5adb461f5 (Jeevadarshini-vpc)
Subnet ID	subnet-04436d987af1ae0a2 (Jeevadarshini-subnet-private1-ap-south-1a)
Instance ARN	arn:aws:ec2:ap-south-1:084375578708:instance/i-034767898
Elastic IP addresses	-
AWS Compute Optimizer finding	Opt-in to AWS Compute Optimizer for recommendations.   Learn more
Auto Scaling Group name	-
Managed	false

## 4. VPC attached to EC2

The screenshot shows the 'Networking' tab for the instance 'i-03476789899bb0001'. It displays various network configuration details. The Public IPv4 address is '13.201.58.22'. The Private IPv4 address is '10.0.0.142'. The VPC ID is 'vpc-071bac2e5adb461f5'. The Subnet ID is 'subnet-04436d987af1ae0a2'. The Availability zone is 'ap-south-1a'. The Network Interfaces table shows one interface with ID 'eni-0c7118f0bde1e7522'.

Interface ID	Device index	Card index	Description	Public IPv4 address	Private IPv4 address	Private IPv4 DNS	IPv6 addresses
eni-0c7118f0bde1e7522	0	0	-	13.201.58.22	10.0.0.142	ip-10-0-0-142.ap-so...	-