PROJECT -1

COURSE : DEVOPS

Trainer : Mr . MADHUKAR

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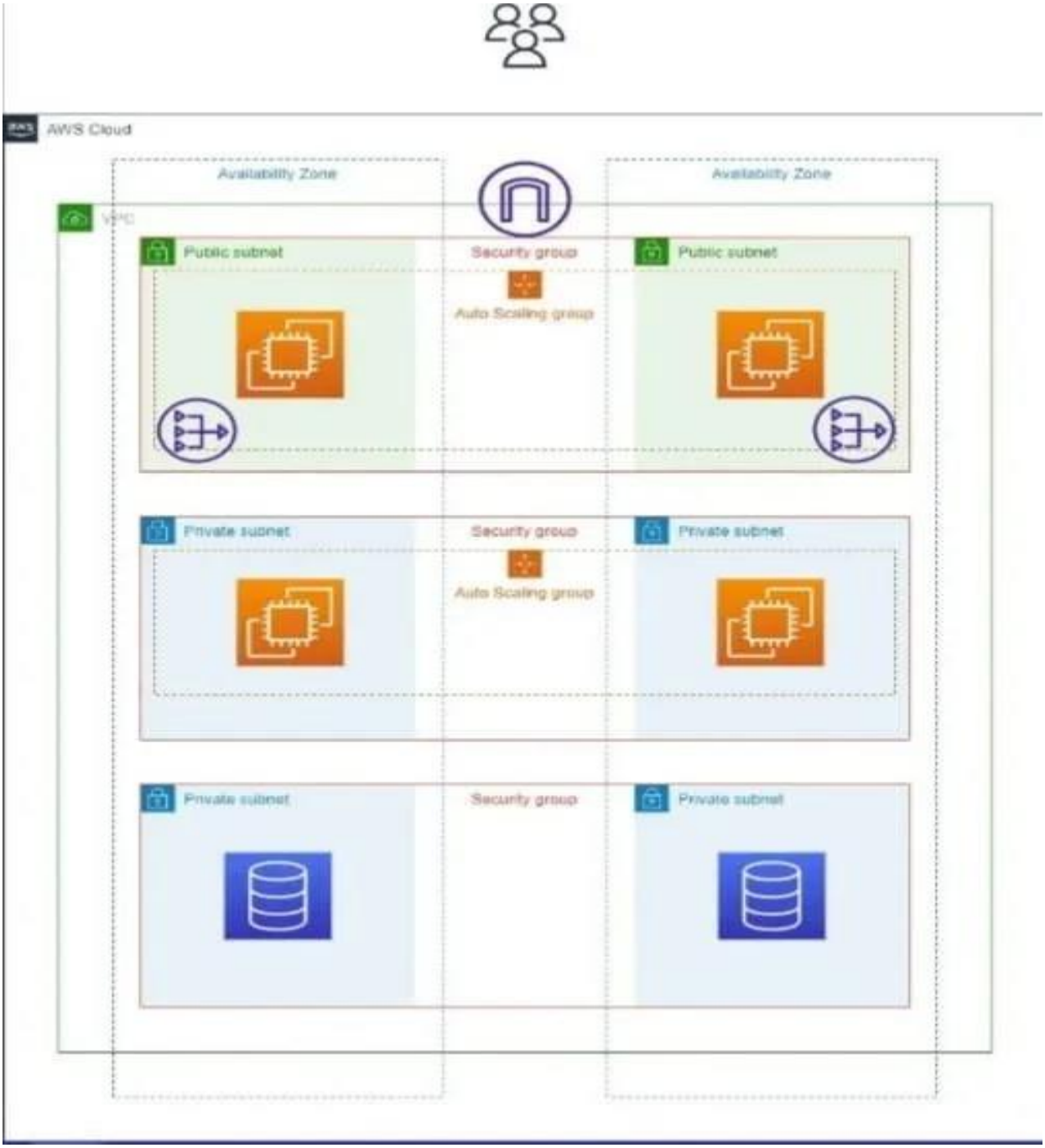
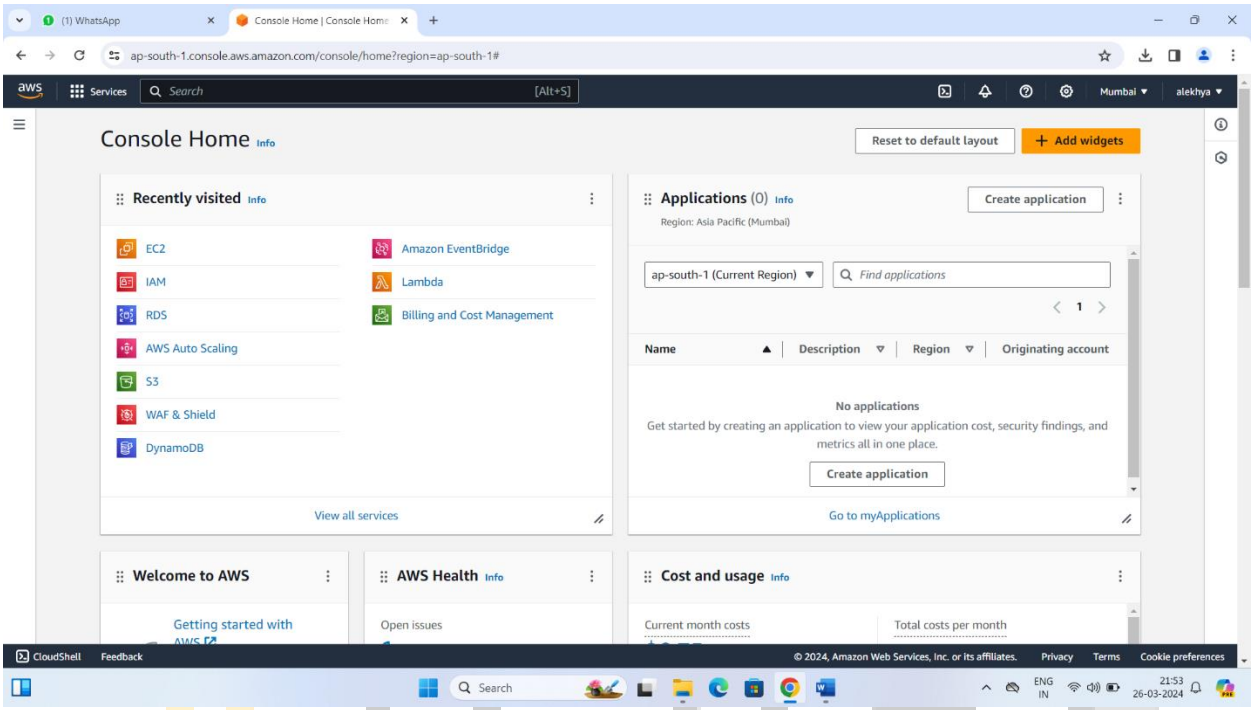
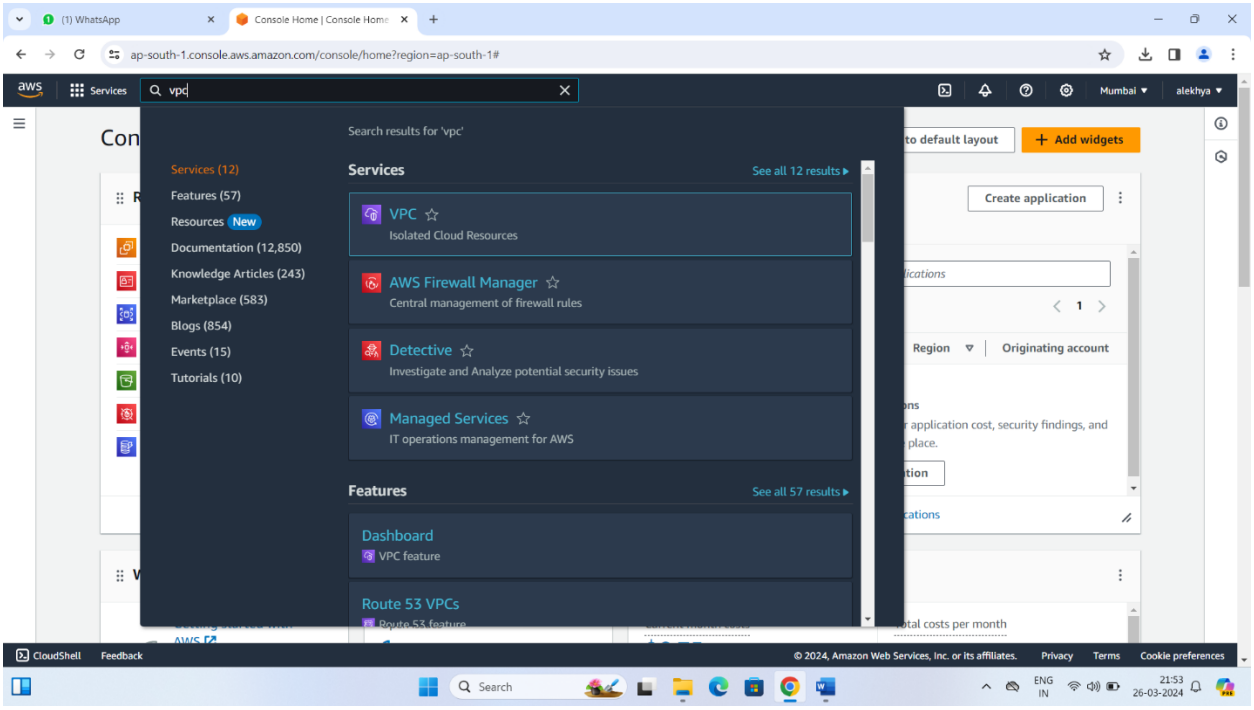
Mail id :alekhyalucky88@gmail.com


AWS Cloud
Availability Zone
Availability Zone
VPC
Public subnet
Security group
Auto Scaling group
Public subnet
Private subnet
Security group
Auto Scaling group
Private subnet
Private subnet
Security group
Private subnet

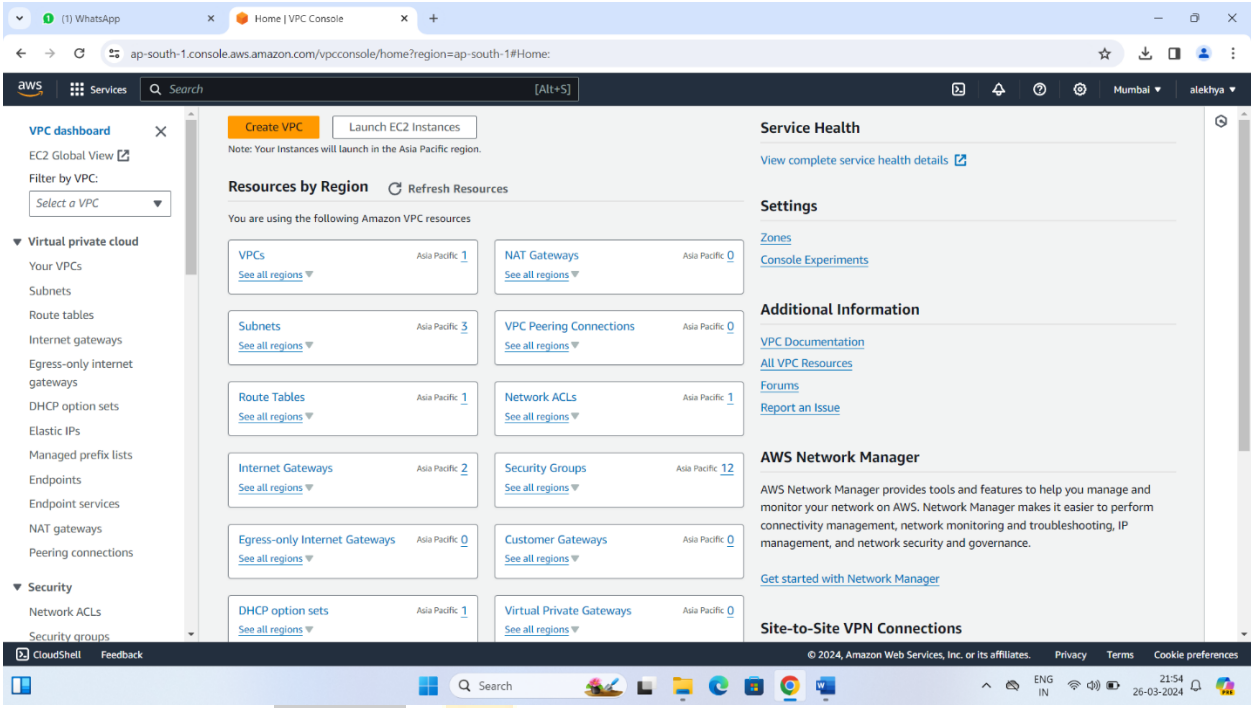
➢ Create VPC and connect subnets through Auto scaling and connect RDS

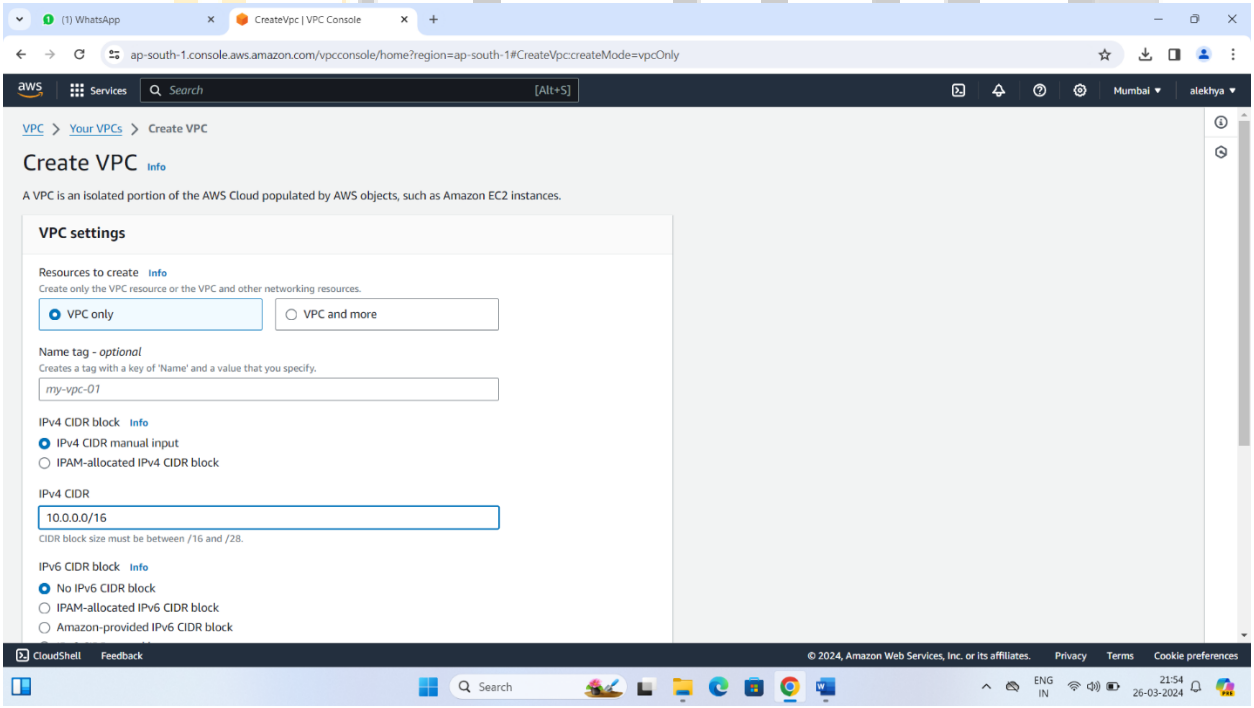
- First Go to Amazon Console Home and search VPC.

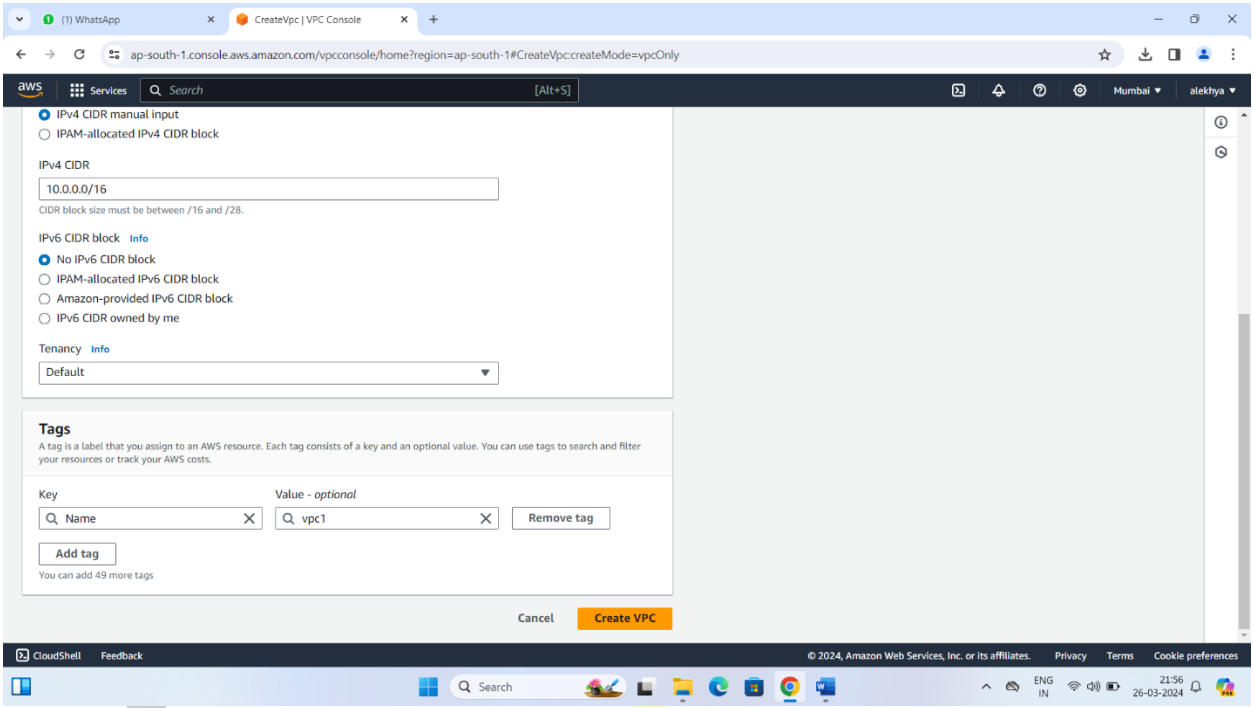




- Click on Create VPC
- Enter VPC Name and enter CIDR Number then Click on create VPC






(1) WhatsApp
CreateVpc | VPC Console
ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#CreateVpc:createMode=vpcOnly
Services
Search
[Alt+S]
Mumbai
alekhya
IPv4 CIDR manual input
IPAM-allocated IPv4 CIDR block
IPv4 CIDR
10.0.0.0/16
CIDR block size must be between /16 and /28.
IPv6 CIDR block Info
No IPv6 CIDR block
IPAM-allocated IPv6 CIDR block
Amazon-provided IPv6 CIDR block
IPv6 CIDR owned by me
Tenancy Info
Default
Tags
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.
Key
Value - optional
Name
vpc1
Remove tag
Add tag
You can add 49 more tags
Cancel
Create VPC
CloudShell
Feedback
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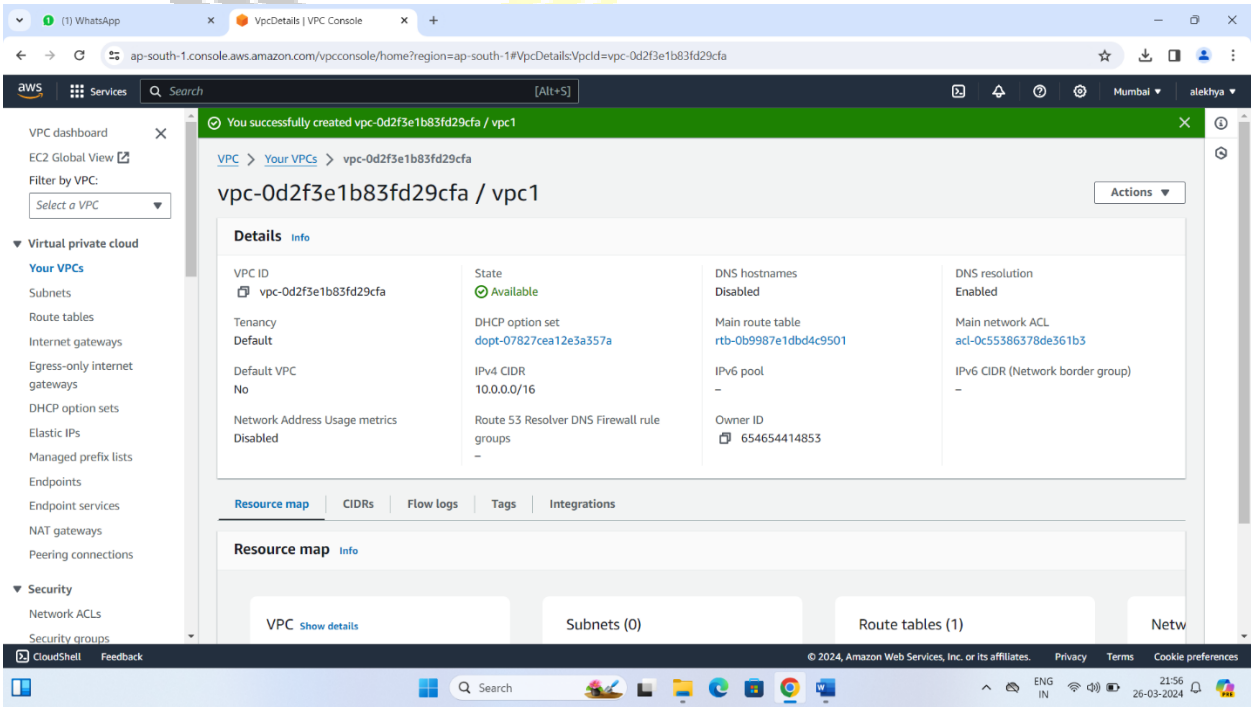
(1) WhatsApp
VpcDetails | VPC Console
ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#VpcDetails:VpcId=vpc-0d2f3e1b83fd29cfa
Services
Search
[Alt+S]
Mumbai
alekhya
VPC dashboard
EC2 Global View
Filter by VPC:
Select a VPC
Virtual private cloud
Your VPCs
Subnets
Route tables
Internet gateways
Egress-only internet gateways
DHCP option sets
Elastic IPs
Managed prefix lists
Endpoints
Endpoint services
NAT gateways
Peering connections
Security
Network ACLs
Security groups
You successfully created vpc-0d2f3e1b83fd29cfa / vpc1
VPC > Your VPCs > vpc-0d2f3e1b83fd29cfa
vpc-0d2f3e1b83fd29cfa / vpc1
Actions
Details Info
VPC ID
vpc-0d2f3e1b83fd29cfa
State
Available
DNS hostnames
Disabled
DNS resolution
Enabled
Tenancy
Default
DHCP option set
dopt-07827cea12e3a357a
Main route table
rtb-0b9987e1dbd4c9501
Main network ACL
acl-0c55386378de361b3
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
654654414853
Resource map
CIDRs
Flow logs
Tags
Integrations
Resource map Info
VPC Show details
Subnets (0)
Route tables (1)
Netw
CloudShell
Feedback
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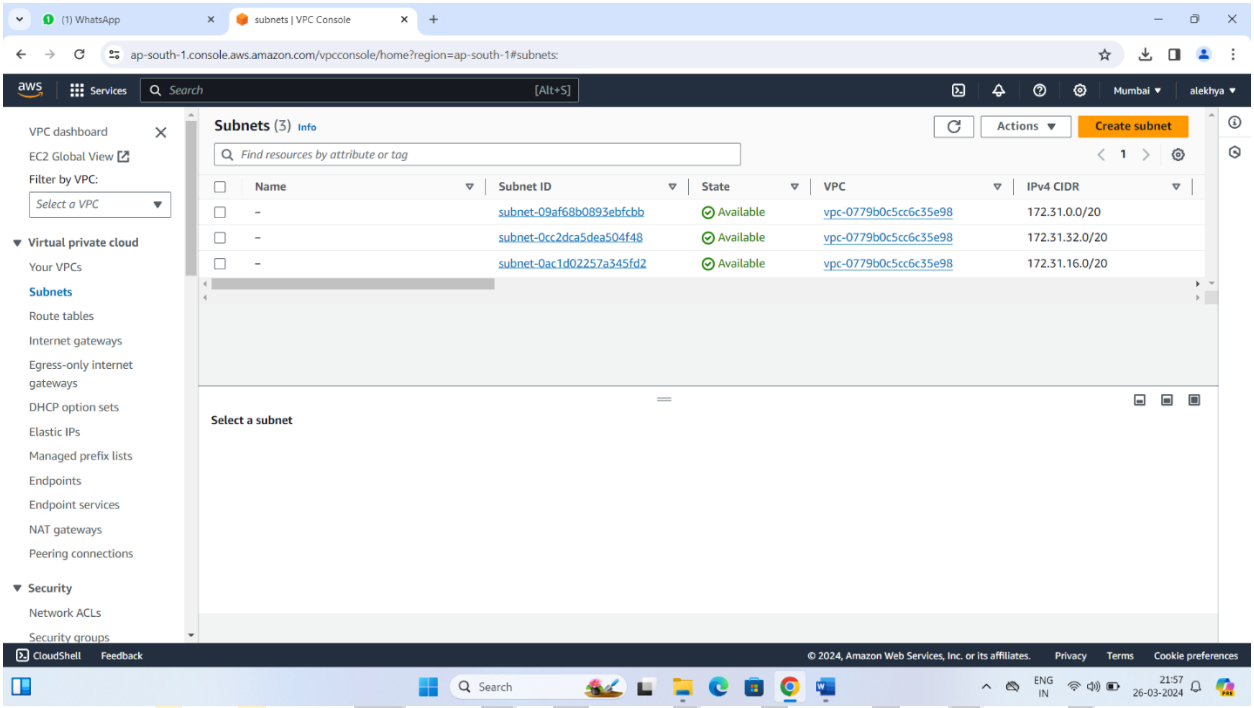
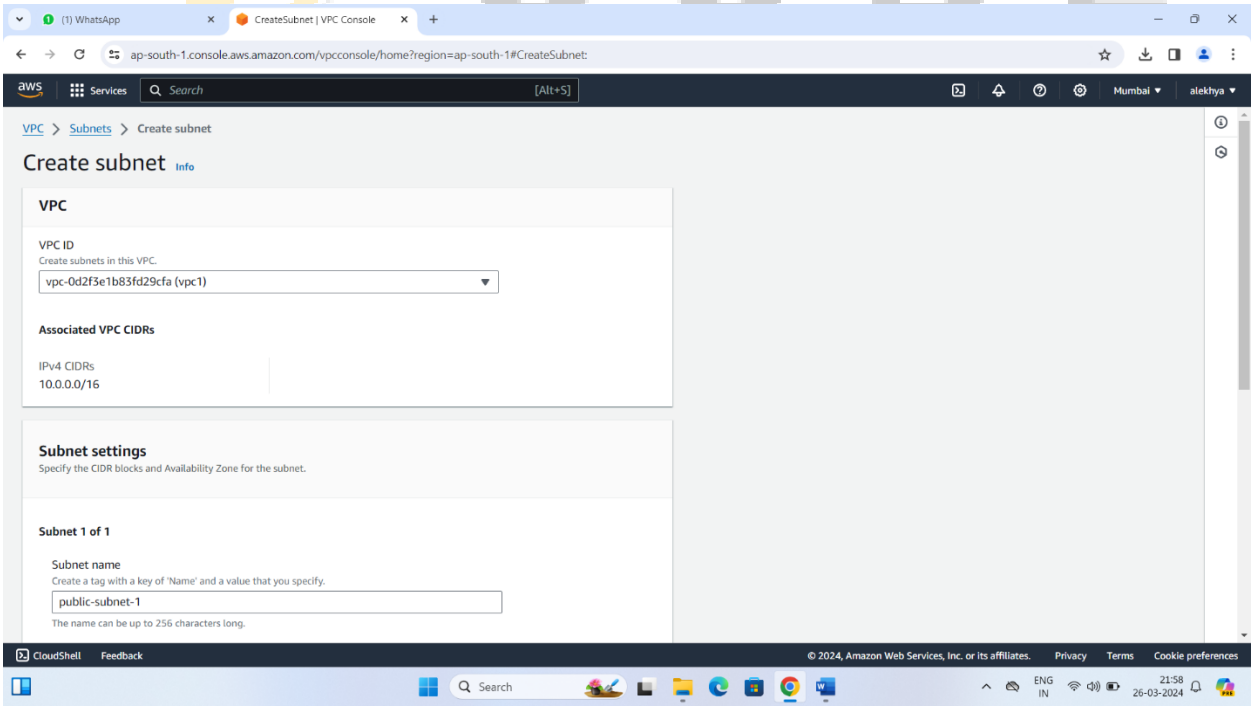
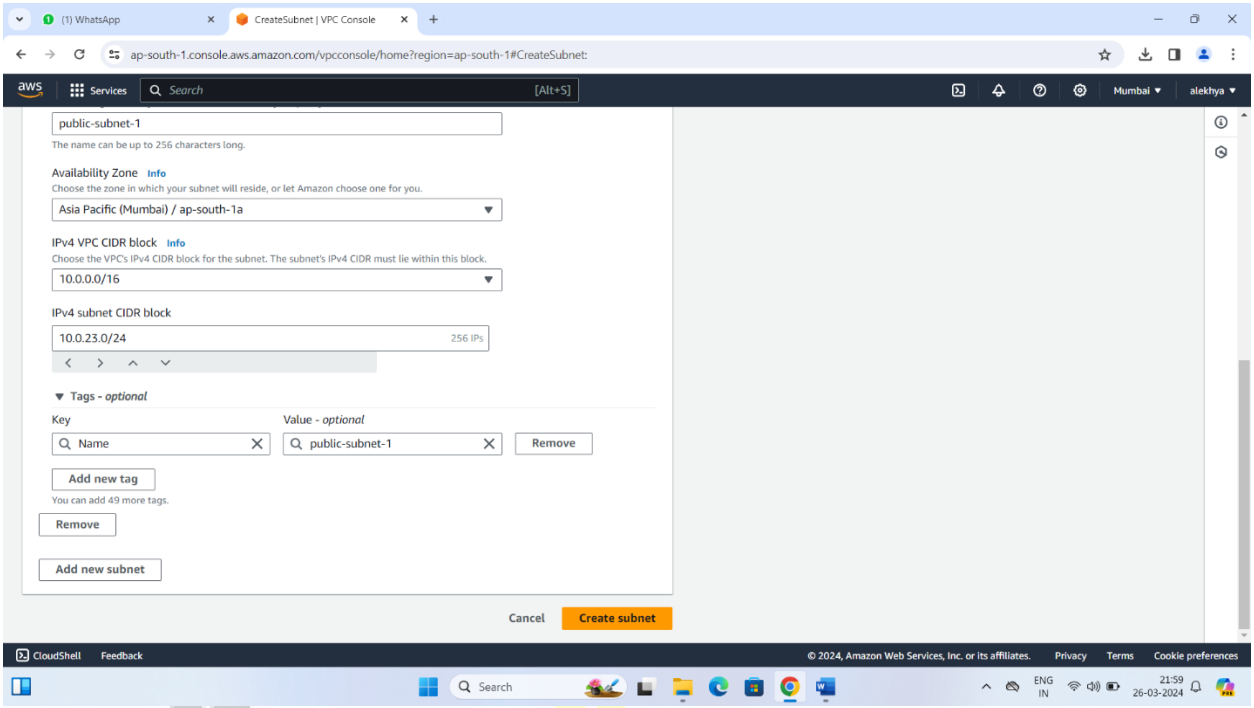
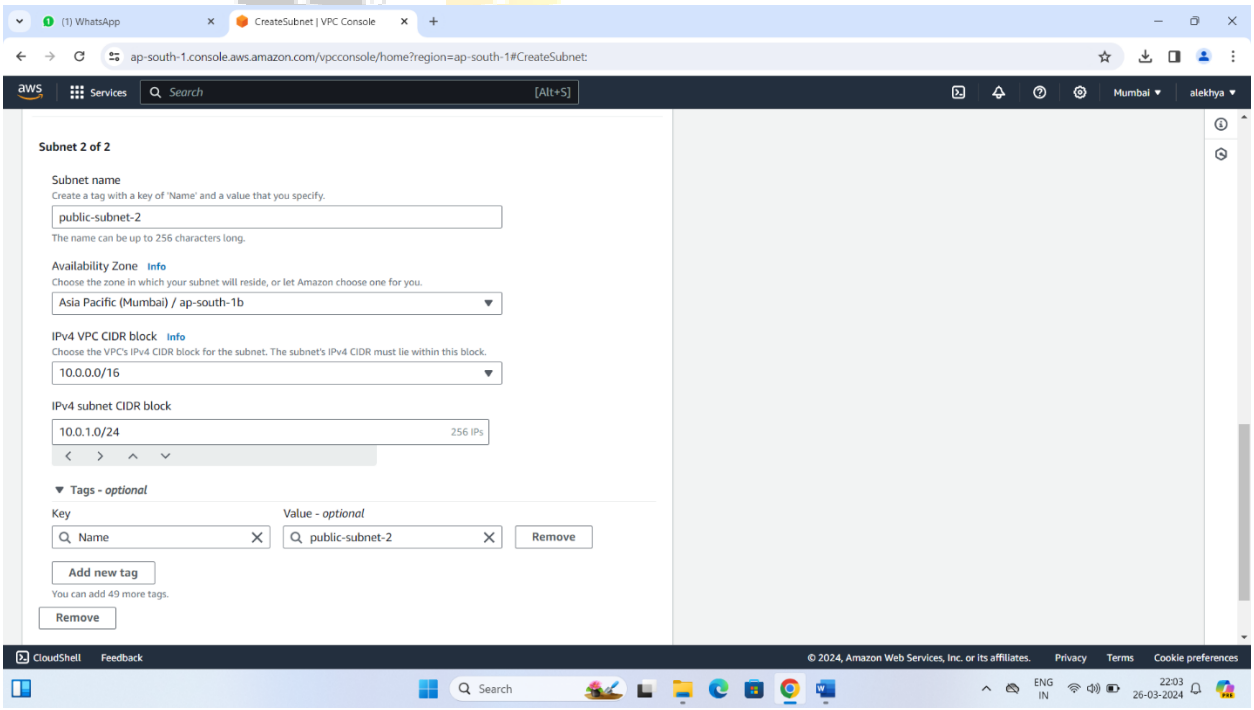
- Go to Subnets and Click on create 2 public Subnets
- Select our VPC then enter Public subnet name and select One region then ipv4 subnet CIDR Number
- Click on add new subnet

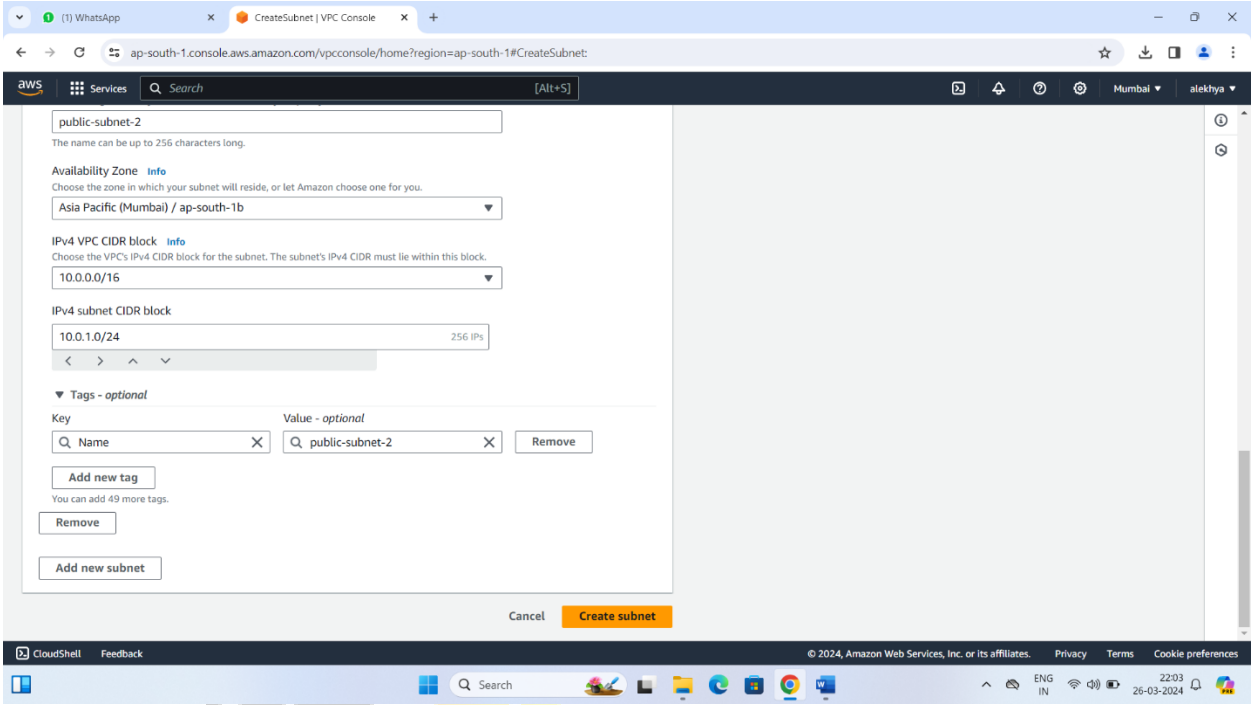








- Enter public subnet name and select another region then ipv4 subnet CIDR Number then Click on Create Subnet


(1) WhatsApp
CreateSubnet | VPC Console
ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#CreateSubnet:
Services
Search
[Alt+S]
Mumbai
alekhya
public-subnet-2
The name can be up to 256 characters long.
Availability Zone Info
Choose the zone in which your subnet will reside, or let Amazon choose one for you.
Asia Pacific (Mumbai) / ap-south-1b
IPv4 VPC CIDR block Info
Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.
10.0.0.0/16
IPv4 subnet CIDR block
10.0.1.0/24
256 IPs
Tags - optional
Key
Value - optional
Name
public-subnet-2
Remove
Add new tag
You can add 49 more tags.
Remove
Add new subnet
Cancel
Create subnet
CloudShell
Feedback
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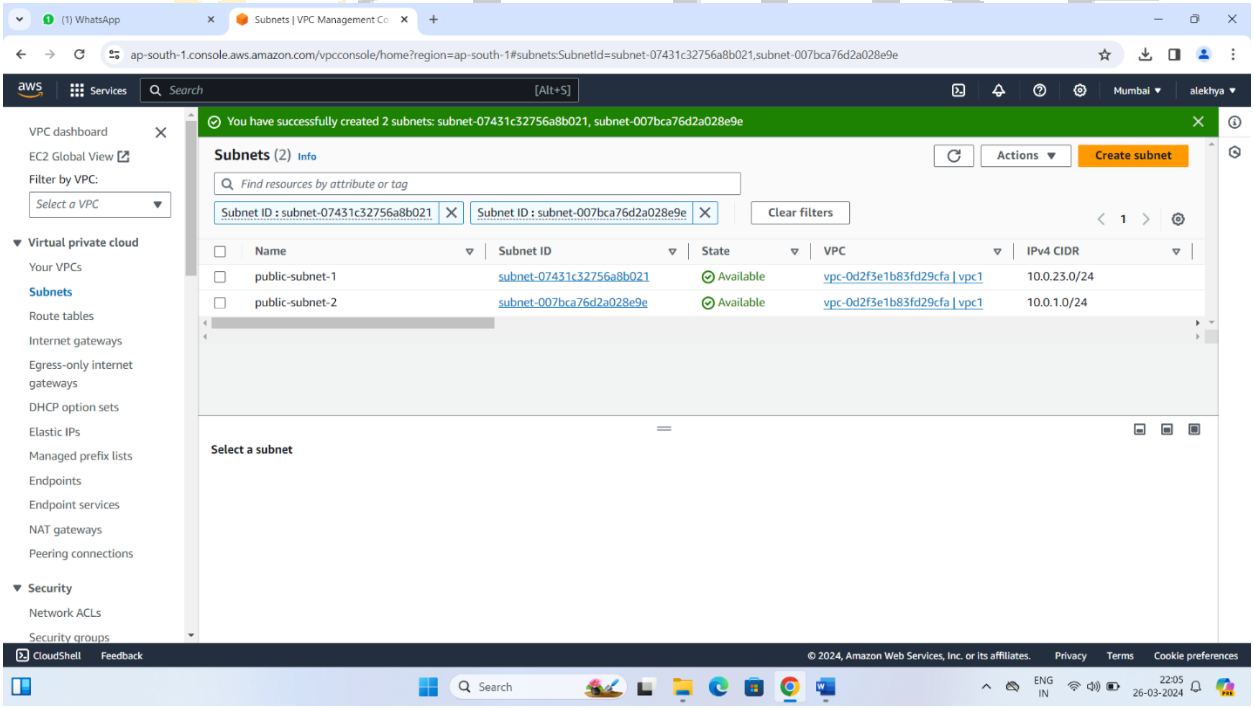
(1) WhatsApp
Subnets | VPC Management Co
ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#subnets:SubnetId=subnet-07431c32756a8b021,subnet-007bca76d2a028e9e
Services
Search
[Alt+S]
Mumbai
alekhya
You have successfully created 2 subnets: subnet-07431c32756a8b021, subnet-007bca76d2a028e9e
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
Network ACLs
Security groups
Subnets (2) Info
Actions
Create subnet
Find resources by attribute or tag
Subnet ID : subnet-07431c32756a8b021
Subnet ID : subnet-007bca76d2a028e9e
Clear filters
Name
Subnet ID
State
VPC
IPv4 CIDR
public-subnet-1
subnet-07431c32756a8b021
Available
vpc-0d2f3e1b83fd29cfa | vpc1
10.0.23.0/24
public-subnet-2
subnet-007bca76d2a028e9e
Available
vpc-0d2f3e1b83fd29cfa | vpc1
10.0.1.0/24
Select a subnet
CloudShell
Feedback
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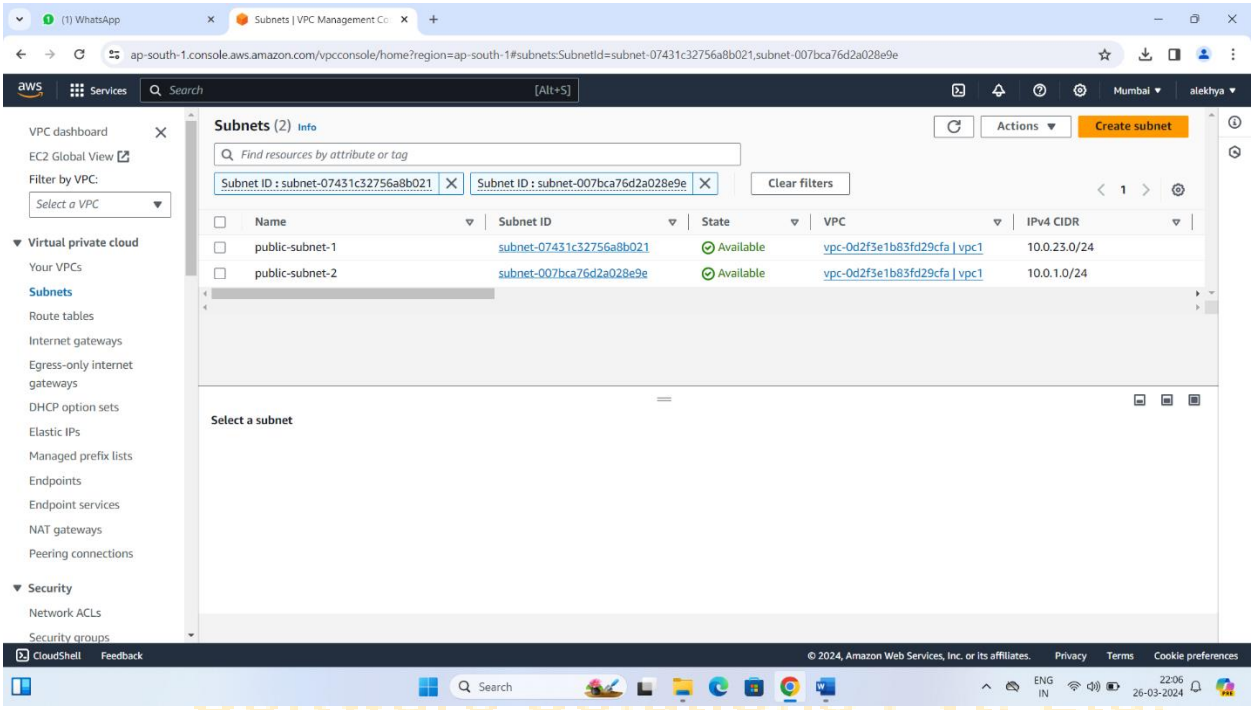
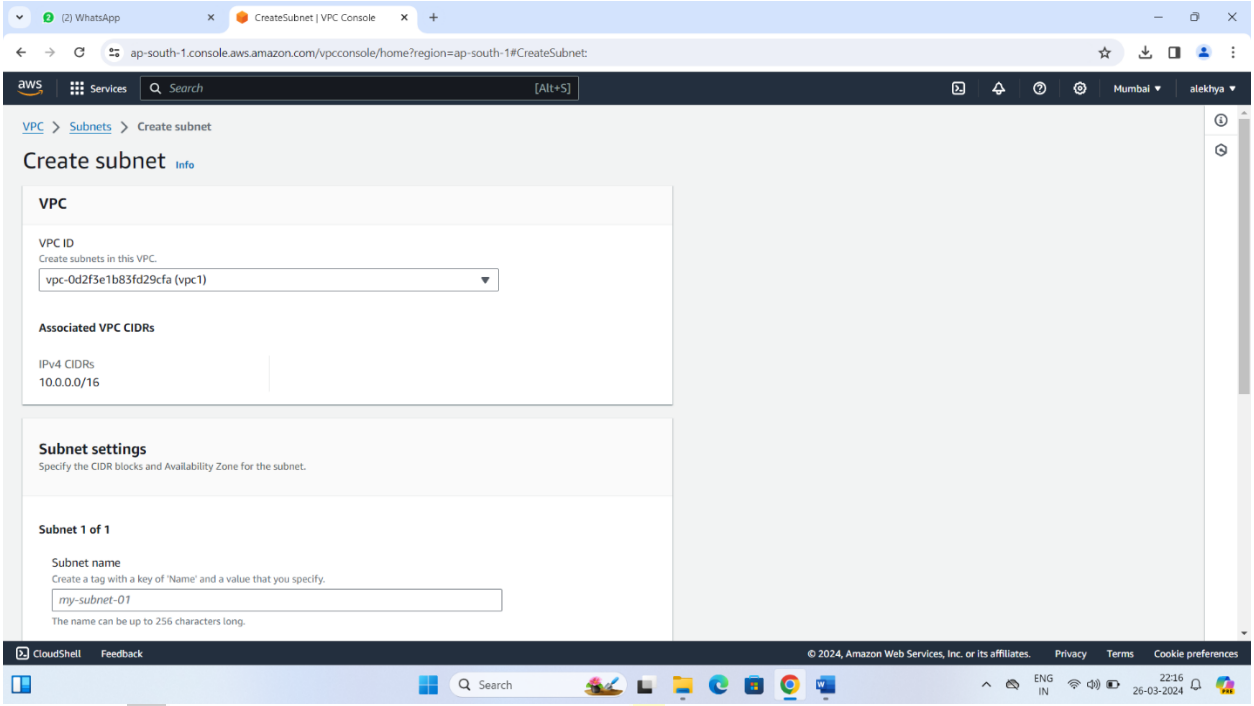
- Go to Subnets and Click on create 2 Private Subnets
- Select our VPC then enter Private subnet name and select One region then ipv4 subnet CIDR Number
- Click on add new subnet




(2) WhatsApp
CreateSubnet | VPC Console
ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#CreateSubnet:
Services
Search
[Alt+S]
Mumbai
alekhya
VPC > Subnets > Create subnet
Create subnet Info
VPC
VPC ID
Create subnets in this VPC.
vpc-0d2f3e1b83fd29cfa (vpc1)
Associated VPC CIDRs
IPv4 CIDRs
10.0.0.0/16
Subnet settings
Specify the CIDR blocks and Availability Zone for the subnet.
Subnet 1 of 1
Subnet name
Create a tag with a key of 'Name' and a value that you specify.
my-subnet-01
The name can be up to 256 characters long.
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Search
ENG
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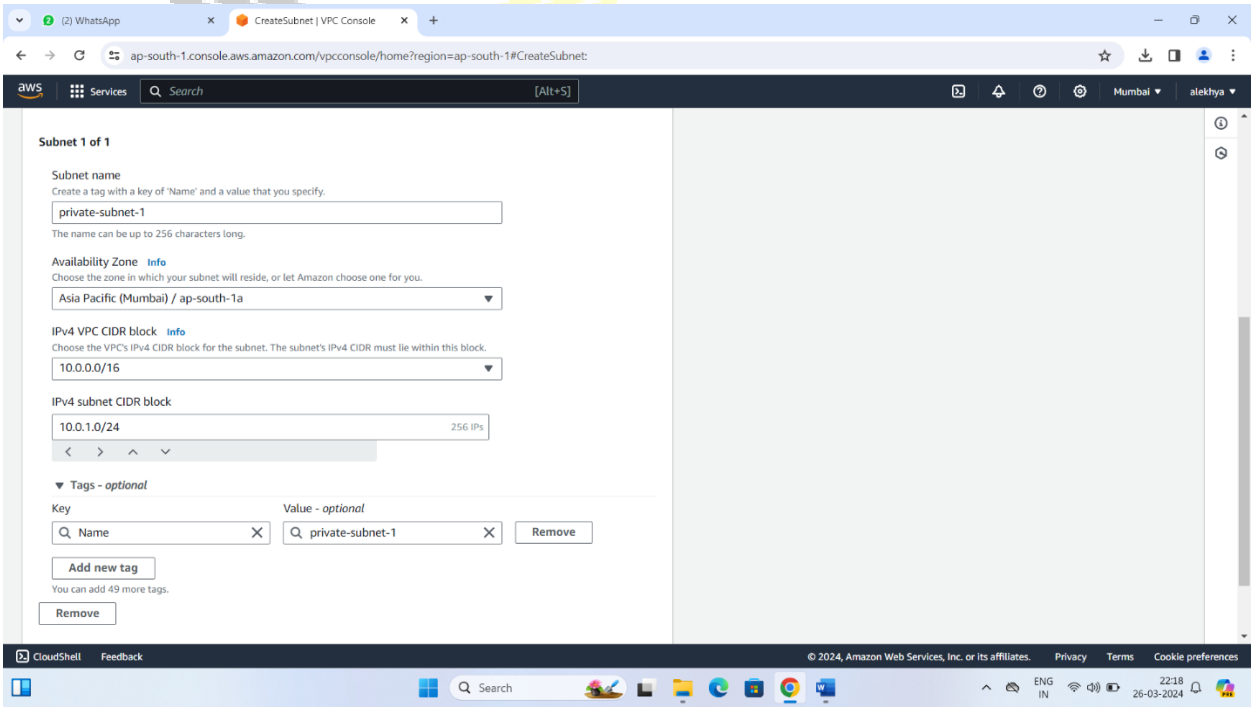
22:16
26-03-2024


(2) WhatsApp
CreateSubnet | VPC Console
ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#CreateSubnet:
Services
Search
[Alt+S]
Mumbai
alekhya
Subnet 1 of 1
Subnet name
Create a tag with a key of 'Name' and a value that you specify.
private-subnet-1
The name can be up to 256 characters long.
Availability Zone Info
Choose the zone in which your subnet will reside, or let Amazon choose one for you.
Asia Pacific (Mumbai) / ap-south-1a
IPv4 VPC CIDR block Info
Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.
10.0.0.0/16
IPv4 subnet CIDR block
10.0.1.0/24
256 IPs
Tags - optional
Key
Value - optional
Name
private-subnet-1
Remove
Add new tag
You can add 49 more tags.
Remove
CloudShell
Feedback
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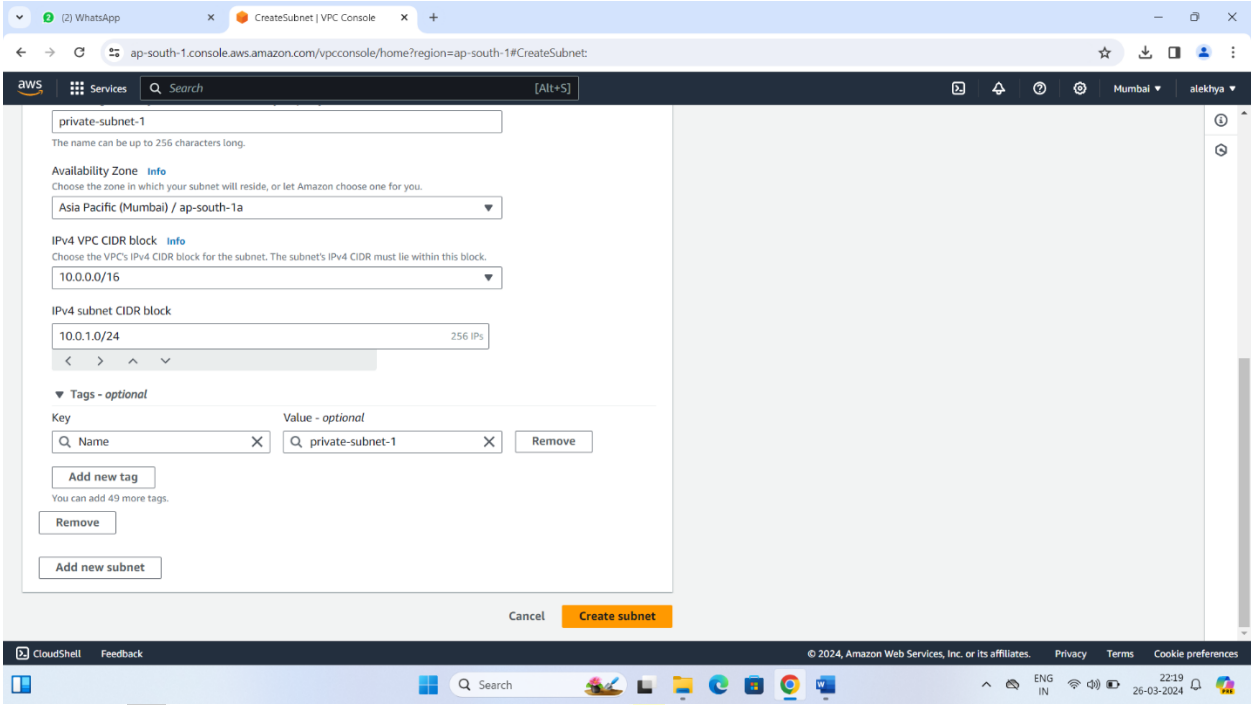
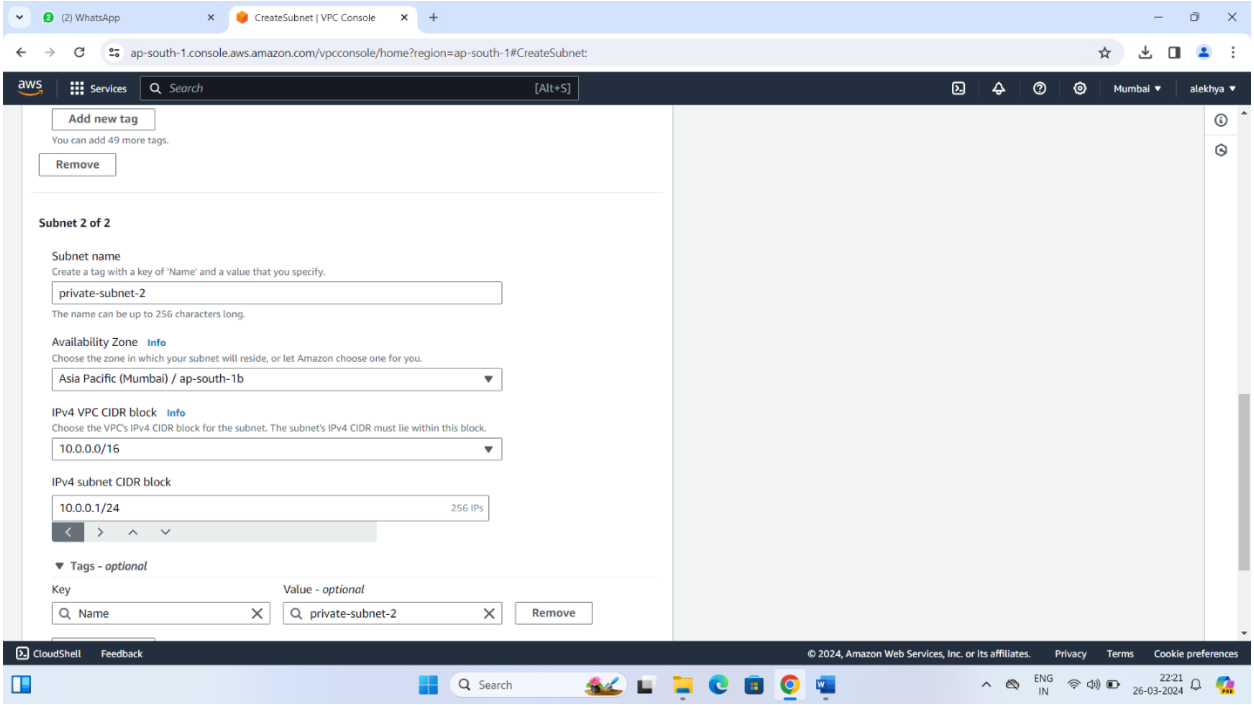
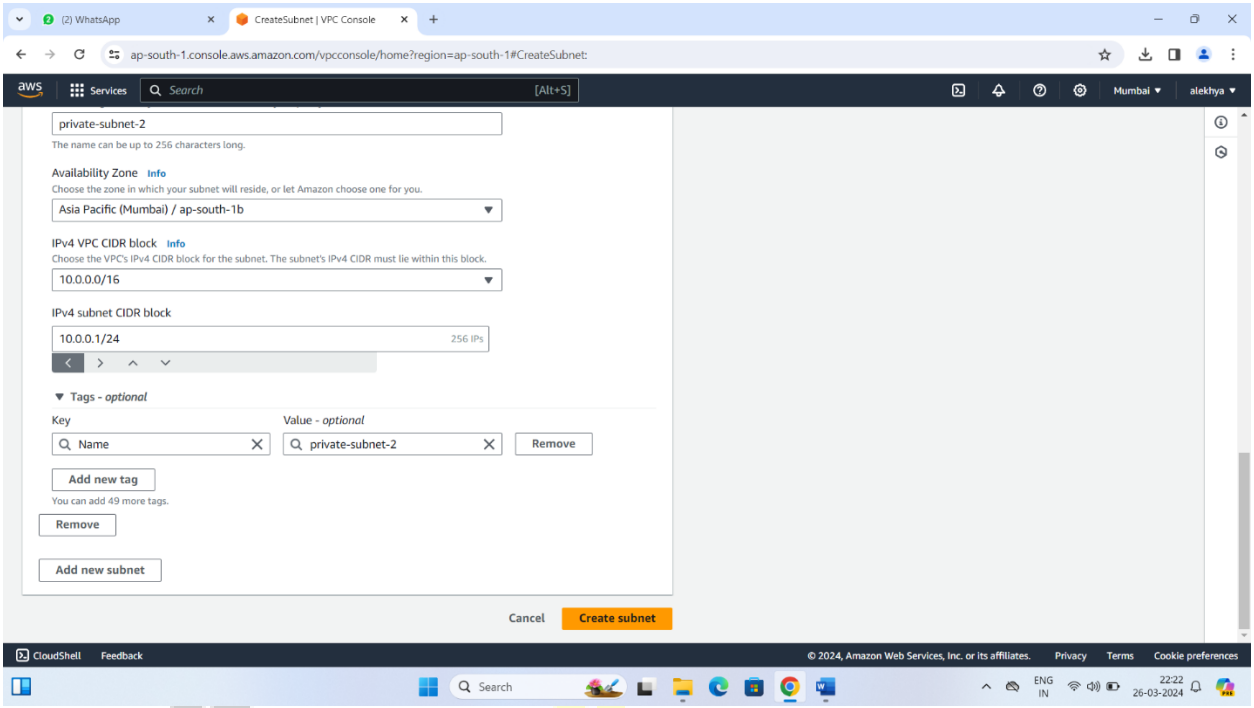
Terms
Cookie preferences
Search
ENG
IN
22:18
26-03-2024

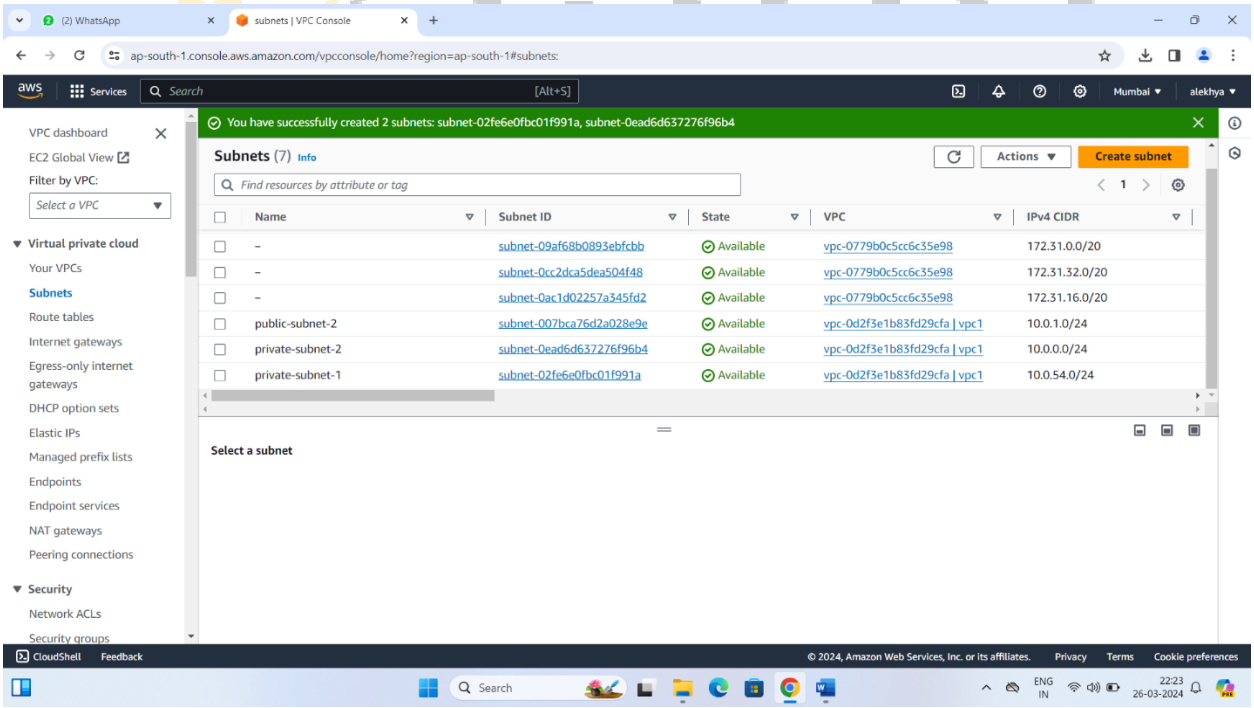


- Enter public subnet name and select another region then ipv4 subnet CIDR Number then Click on Create Subnet

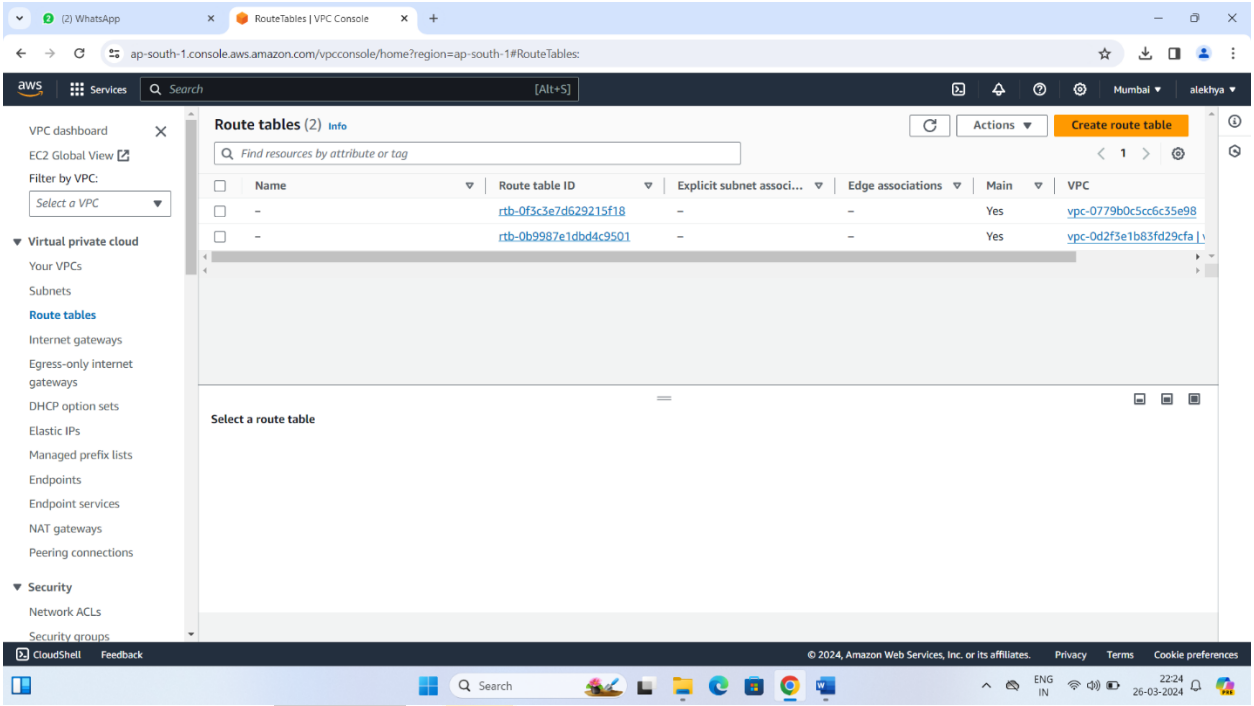




- After Successfully created public and private go to route tables

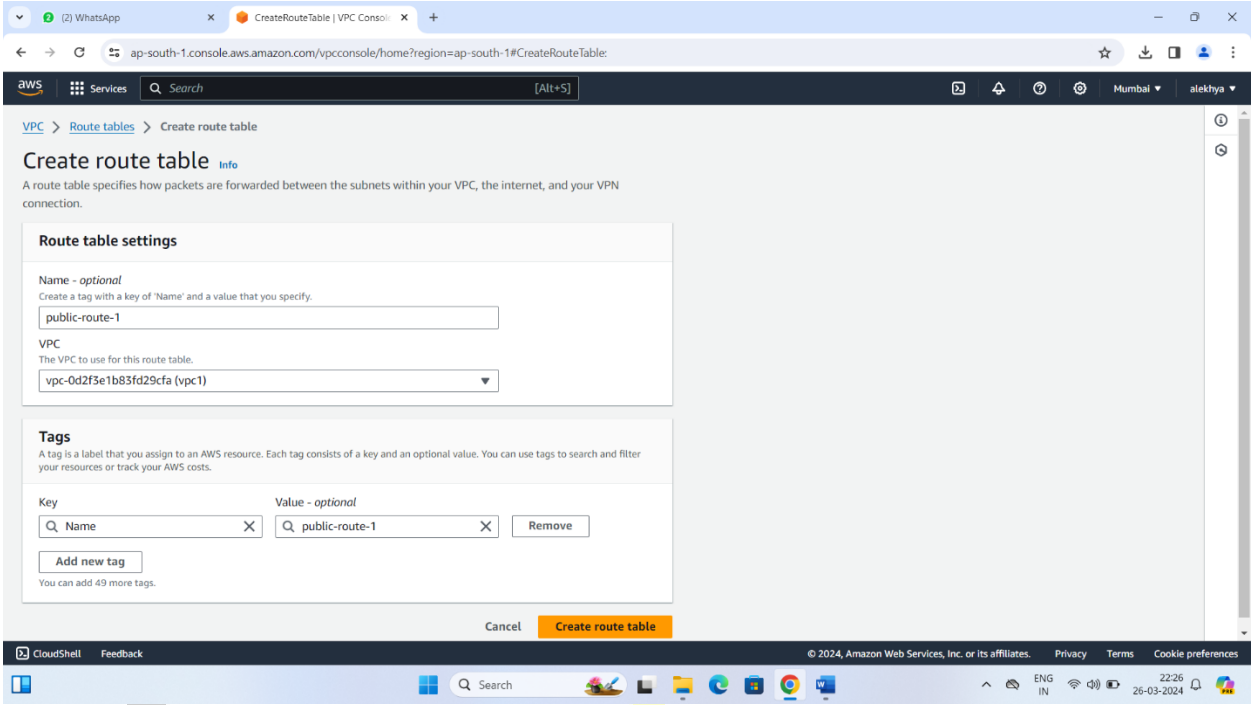


- Create 2 route tables (public and private)
- Click on create route table

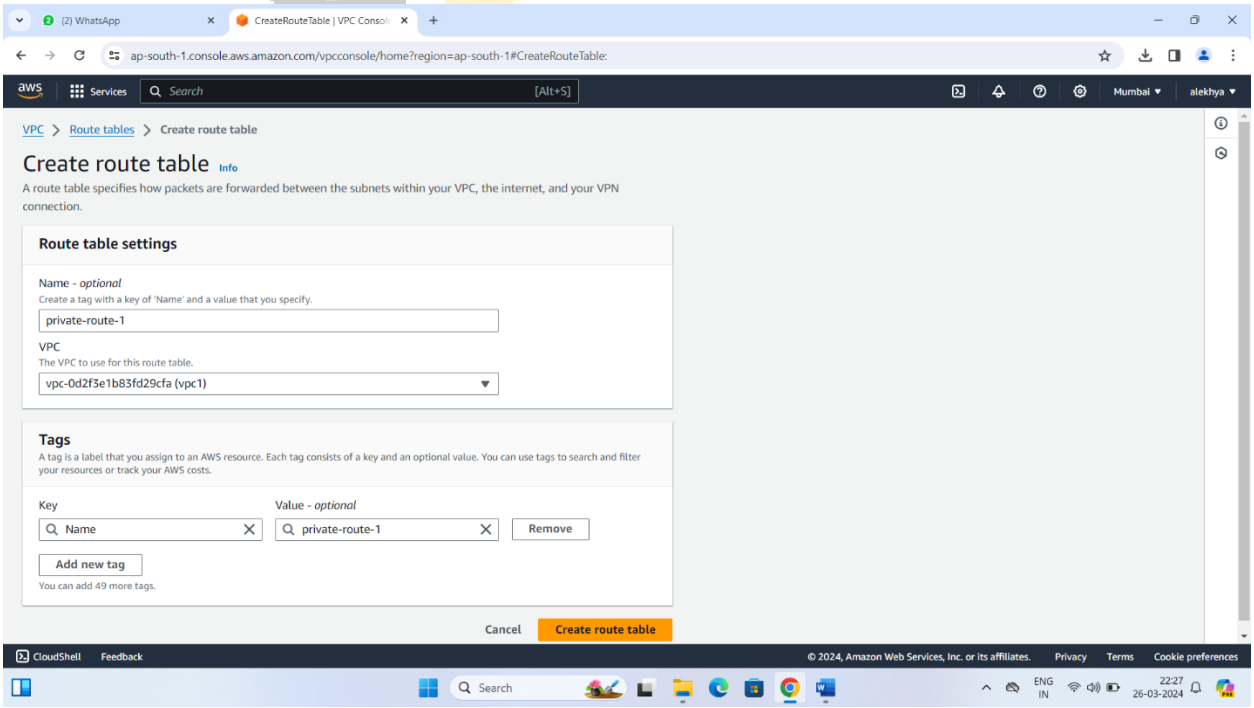


- Enter route table name for public then select our VPC then click on create route table

VCUBE
Software Solutions Pvt. Ltd.

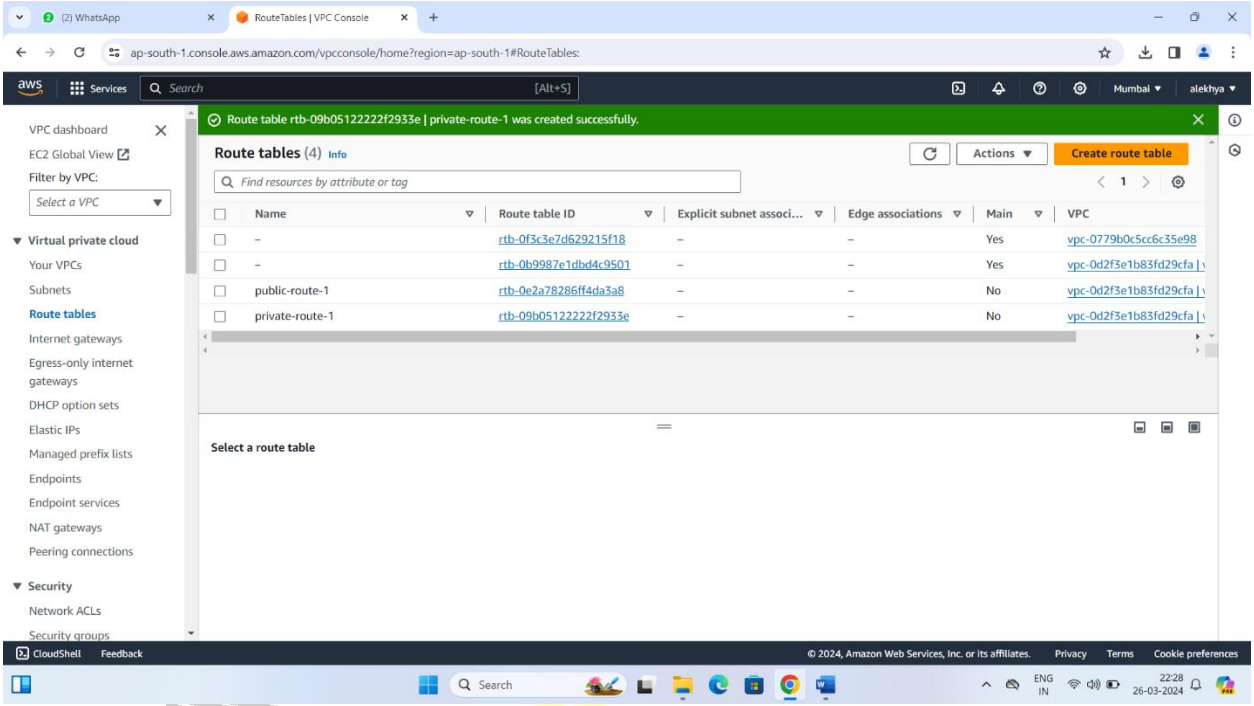


- Enter route table name for private then select our VPC then click on create route table

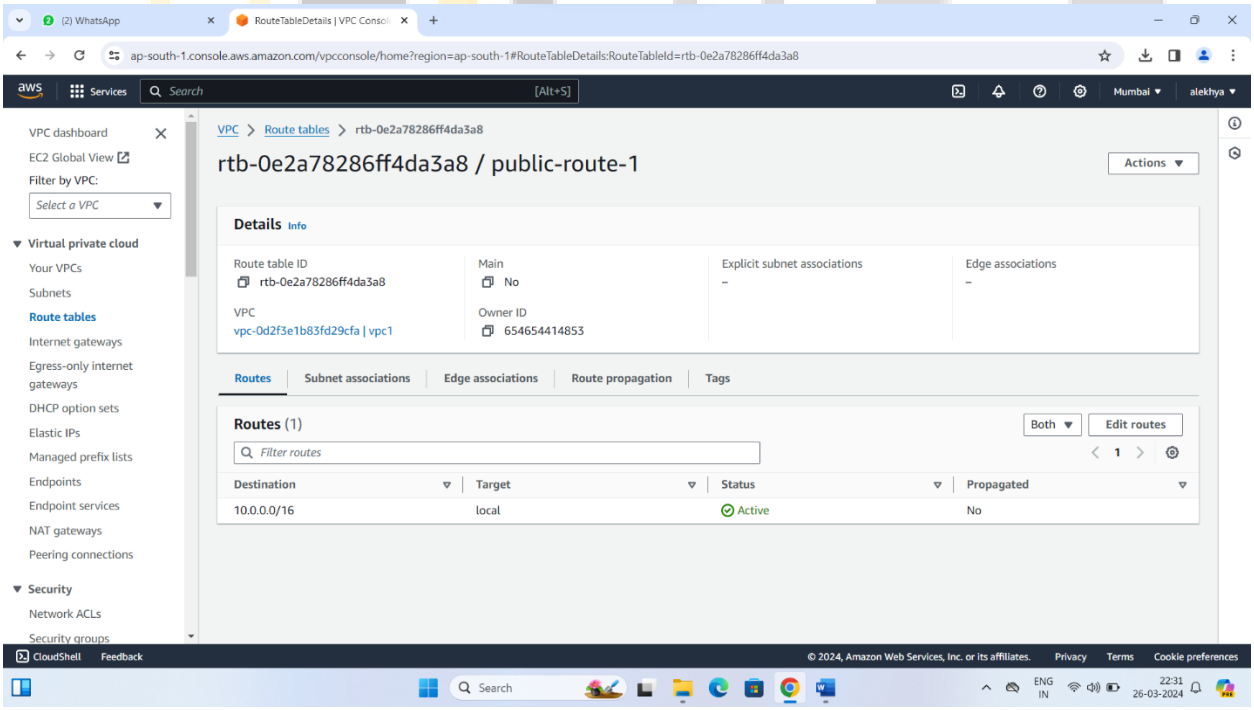


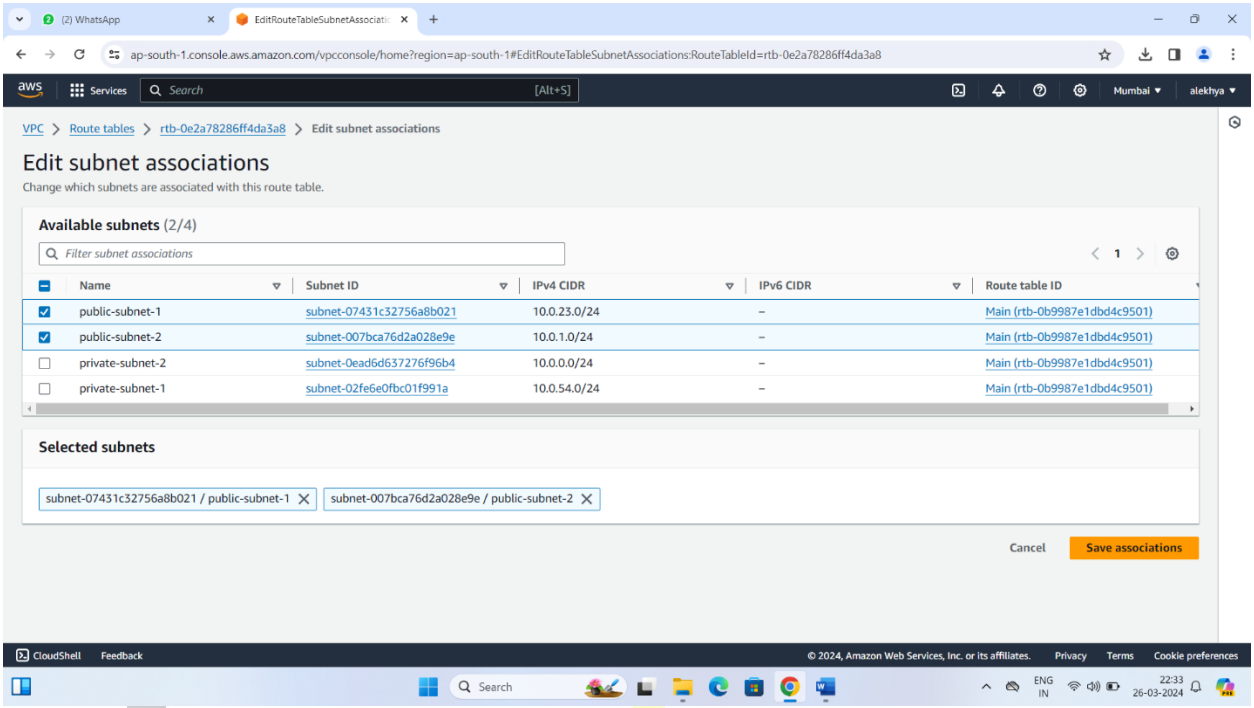
- Click on Public route table id then go to subnet association

- Go to edit subnet association select public subnets then save changes.

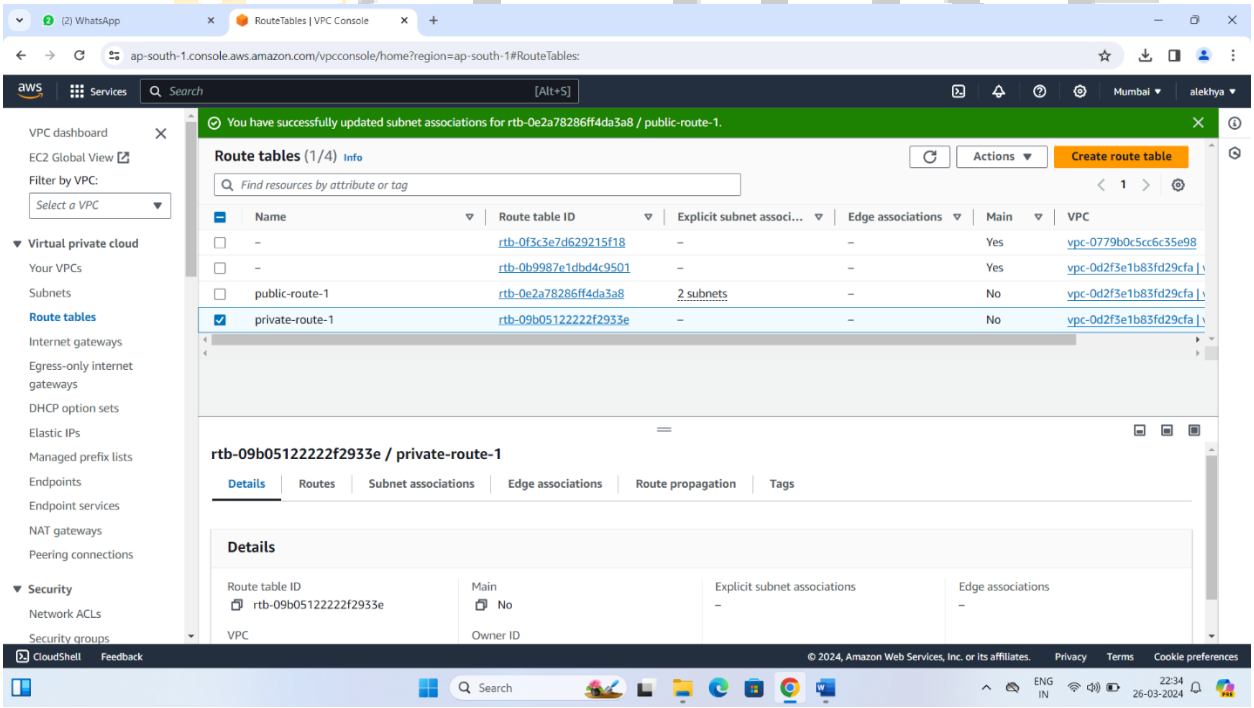


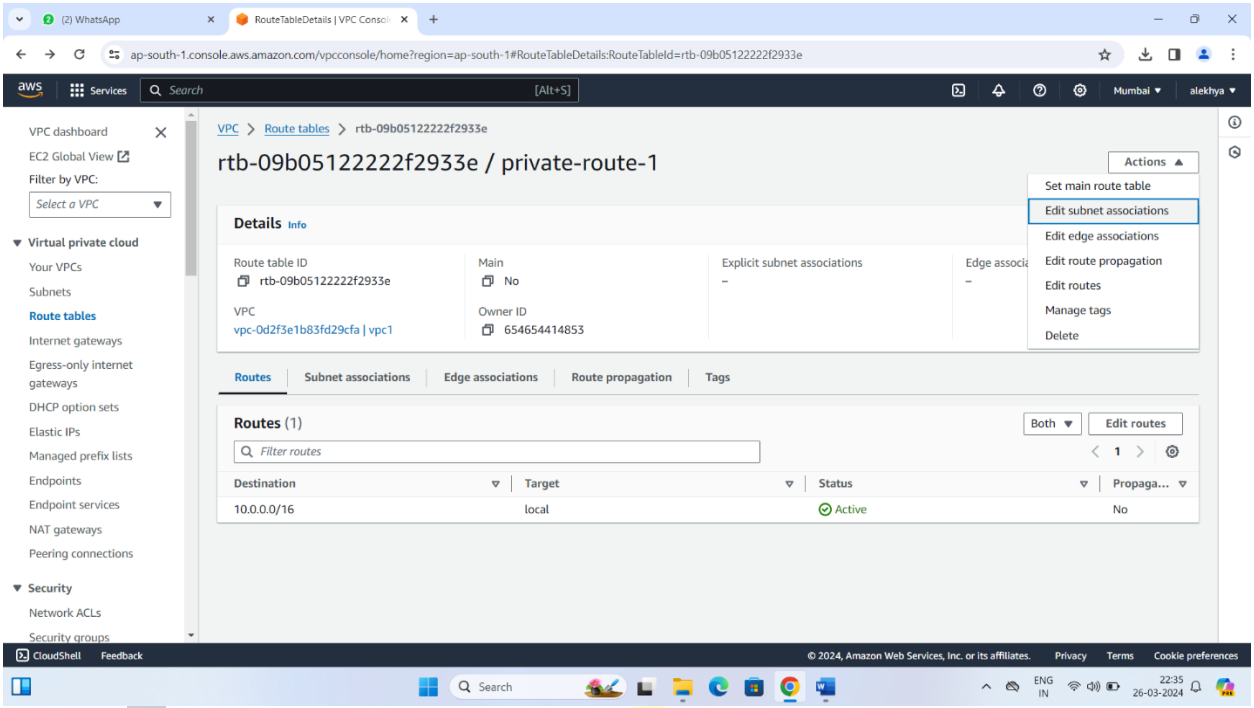
;





- Click on Private route table id then go to subnet association
- Go to edit subnet association select private subnets then save changes.




ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#RouteTableDetails:RouteTableId=rtb-09b05122222f2933e
VPC > Route tables > rtb-09b05122222f2933e
rtb-09b05122222f2933e / private-route-1
Actions
Set main route table
Edit subnet associations
Edit edge associations
Edit route propagation
Edit routes
Manage tags
Delete
Details Info
Route table ID
rtb-09b05122222f2933e
Main
No
Explicit subnet associations
–
VPC
vpc-0d2f3e1b83fd29cfa | vpc1
Owner ID
654654414853
Routes
Subnet associations
Edge associations
Route propagation
Tags
Routes (1)
Both
Edit routes
Filter routes
Destination
Target
Status
Propaga...
10.0.0.0/16
local
Active
No
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
Network ACLs
Security groups
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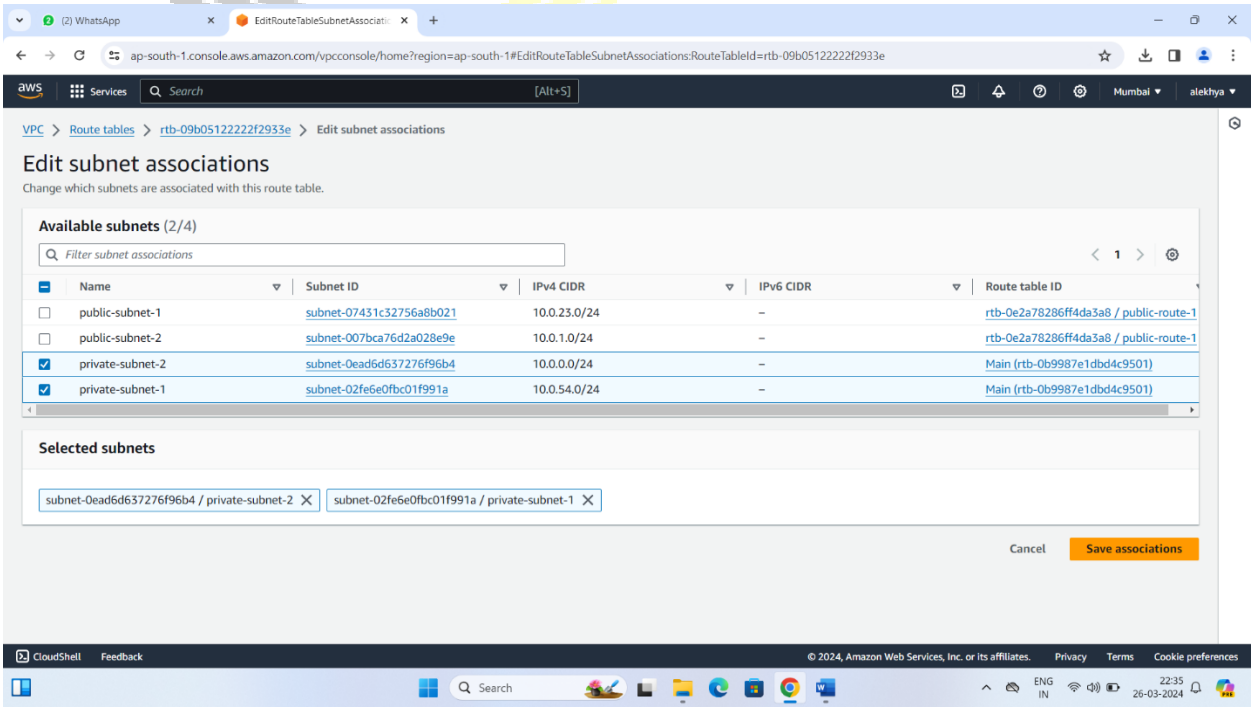
ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#EditRouteTableSubnetAssociations:RouteTableId=rtb-09b05122222f2933e
VPC > Route tables > rtb-09b05122222f2933e > Edit subnet associations
Edit subnet associations
Change which subnets are associated with this route table.
Available subnets (2/4)
Filter subnet associations
Name
Subnet ID
IPv4 CIDR
IPv6 CIDR
Route table ID
public-subnet-1
subnet-07431c32756a8b021
10.0.23.0/24
–
rtb-0e2a78286ff4da3a8 / public-route-1
public-subnet-2
subnet-007bca76d2a028e9e
10.0.1.0/24
–
rtb-0e2a78286ff4da3a8 / public-route-1
private-subnet-2
subnet-0ead6d637276f96b4
10.0.0.0/24
–
Main (rtb-0b9987e1dbd4c9501)
private-subnet-1
subnet-02fe6e0fbc01f991a
10.0.54.0/24
–
Main (rtb-0b9987e1dbd4c9501)
Selected subnets
subnet-0ead6d637276f96b4 / private-subnet-2
subnet-02fe6e0fbc01f991a / private-subnet-1
Cancel
Save associations
CloudShell
Feedback
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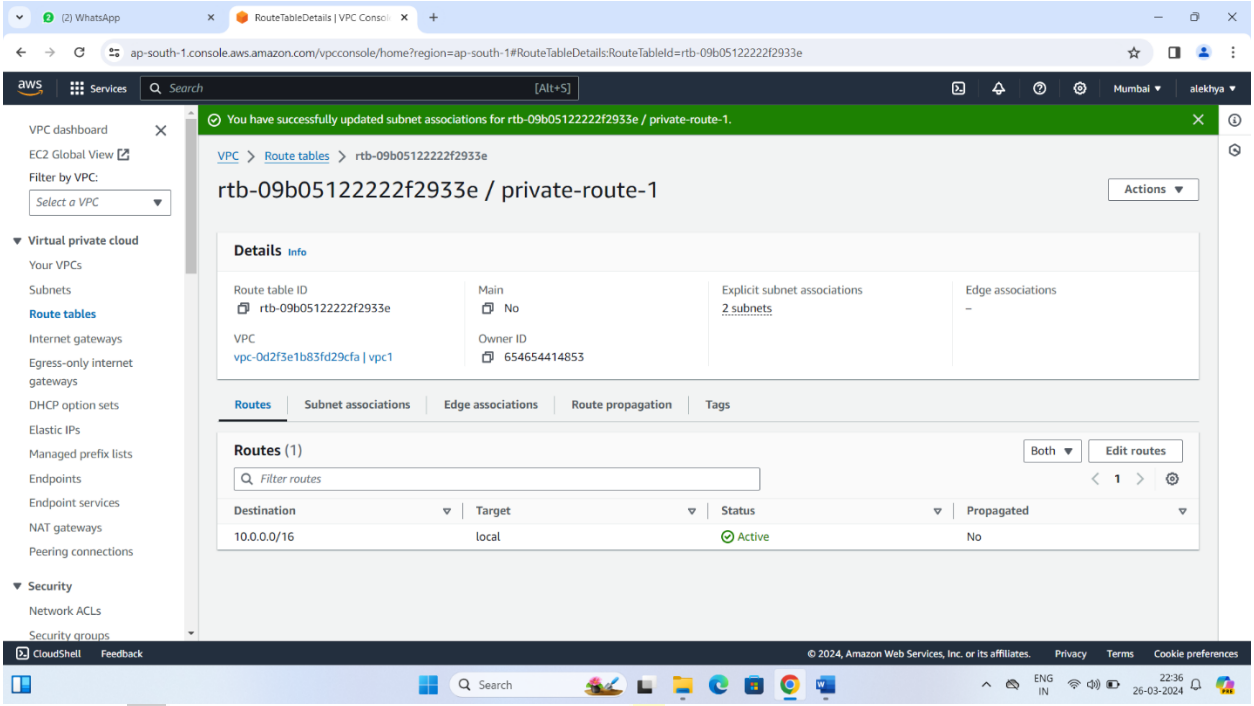
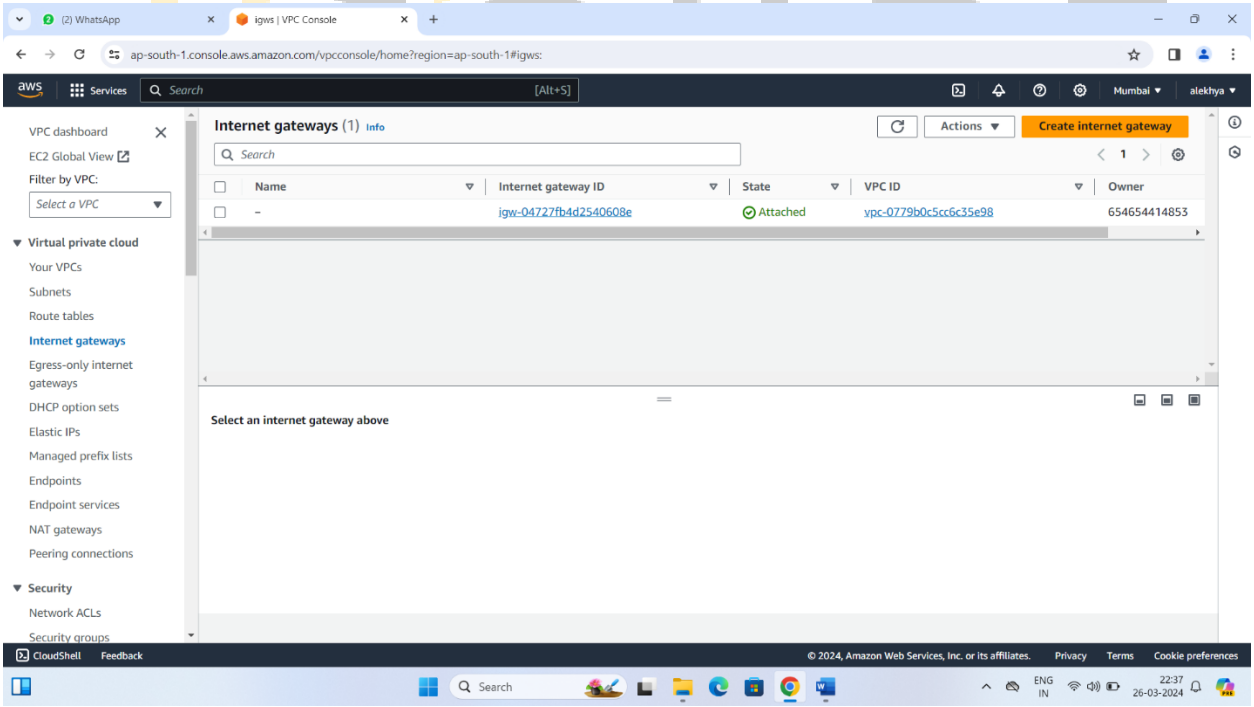
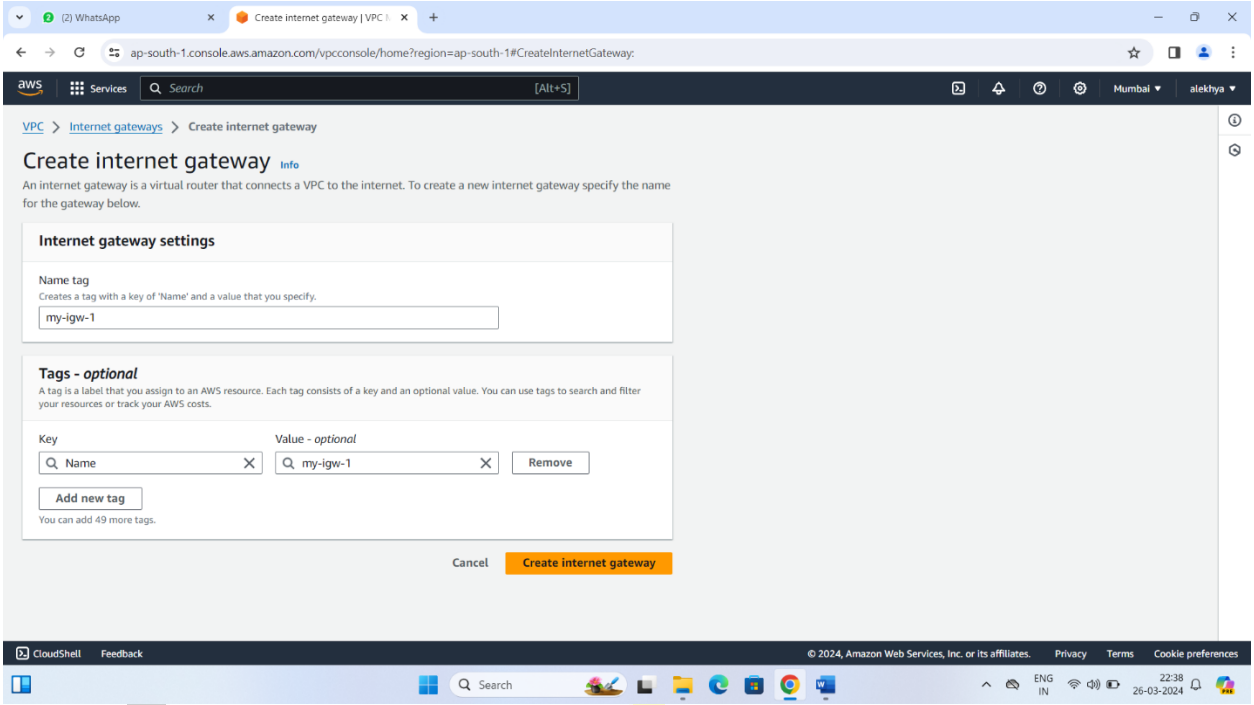
Privacy
Terms
Cookie preferences

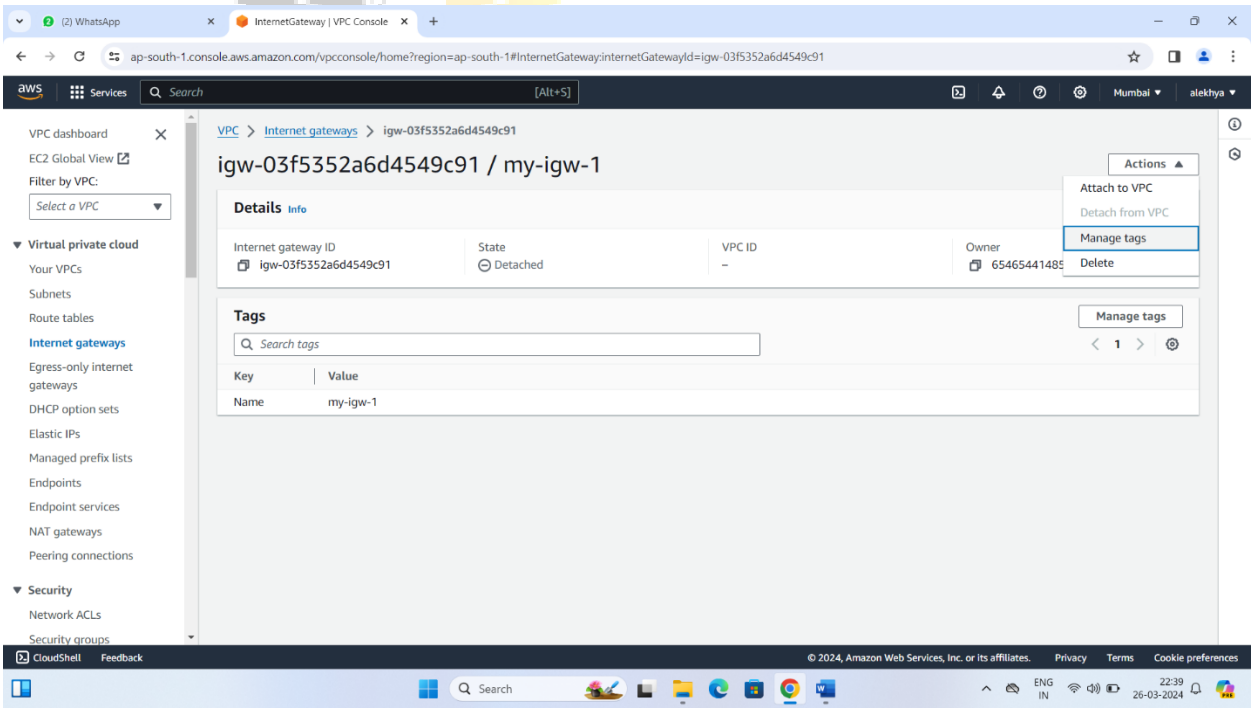


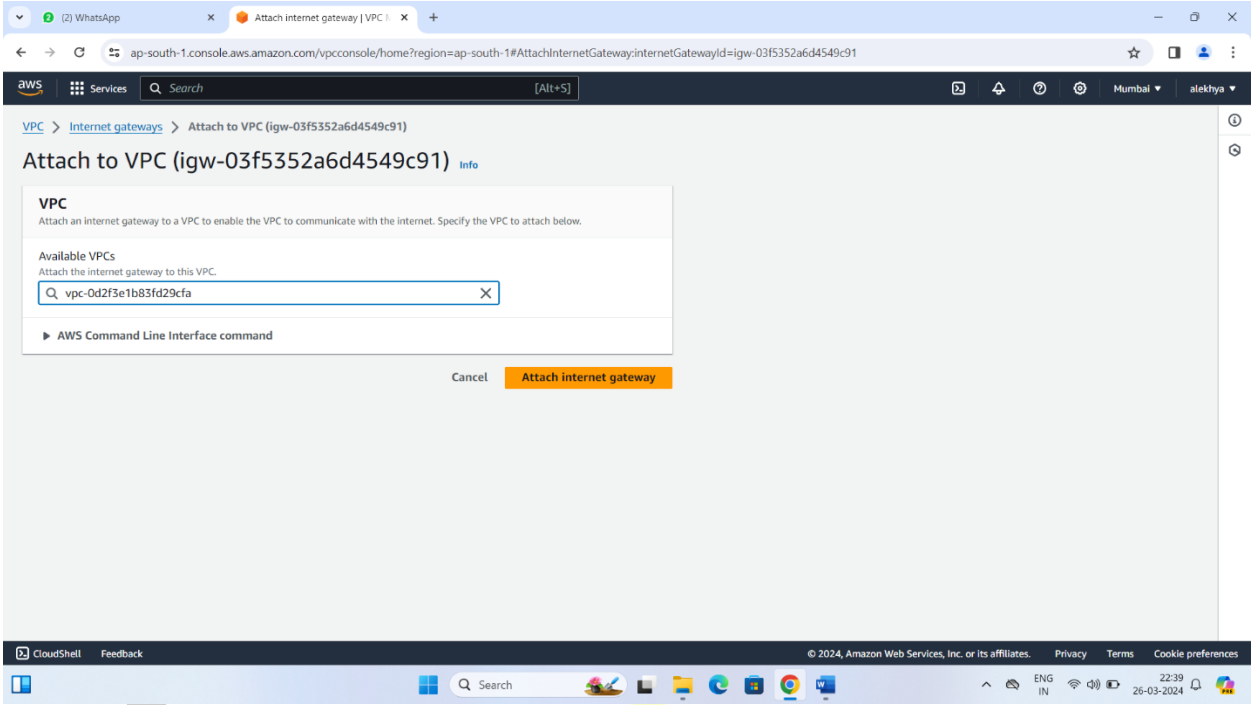
- Now go to Internet gateway then click on create internet gateway
- Enter internet gateway name then click on create internet gateway



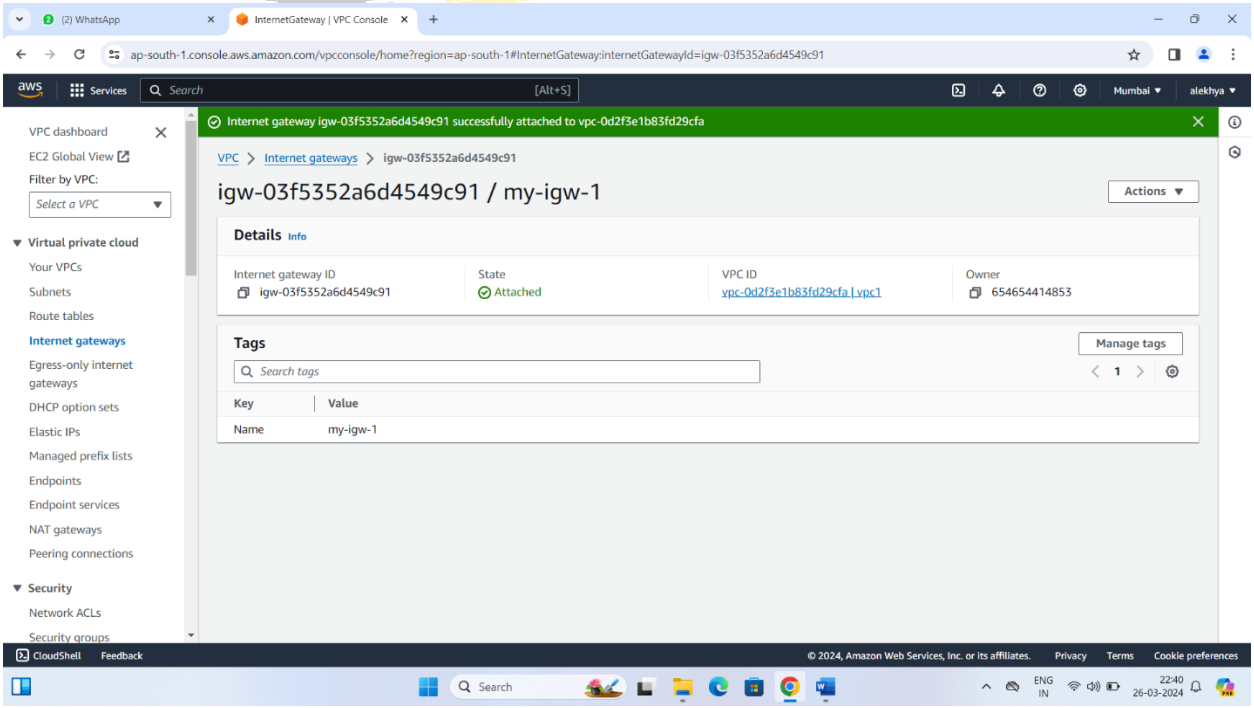


- Go to actions then attach to VPC
- Select our VPC then click on attach internet gateway

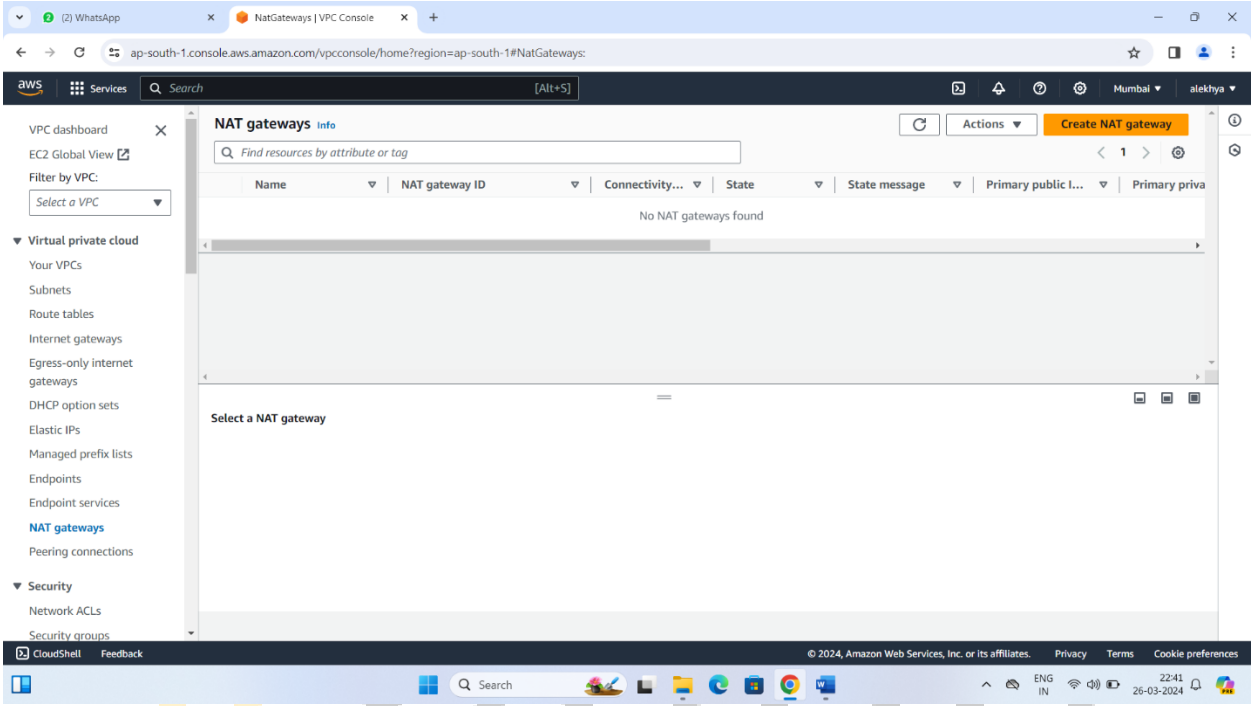


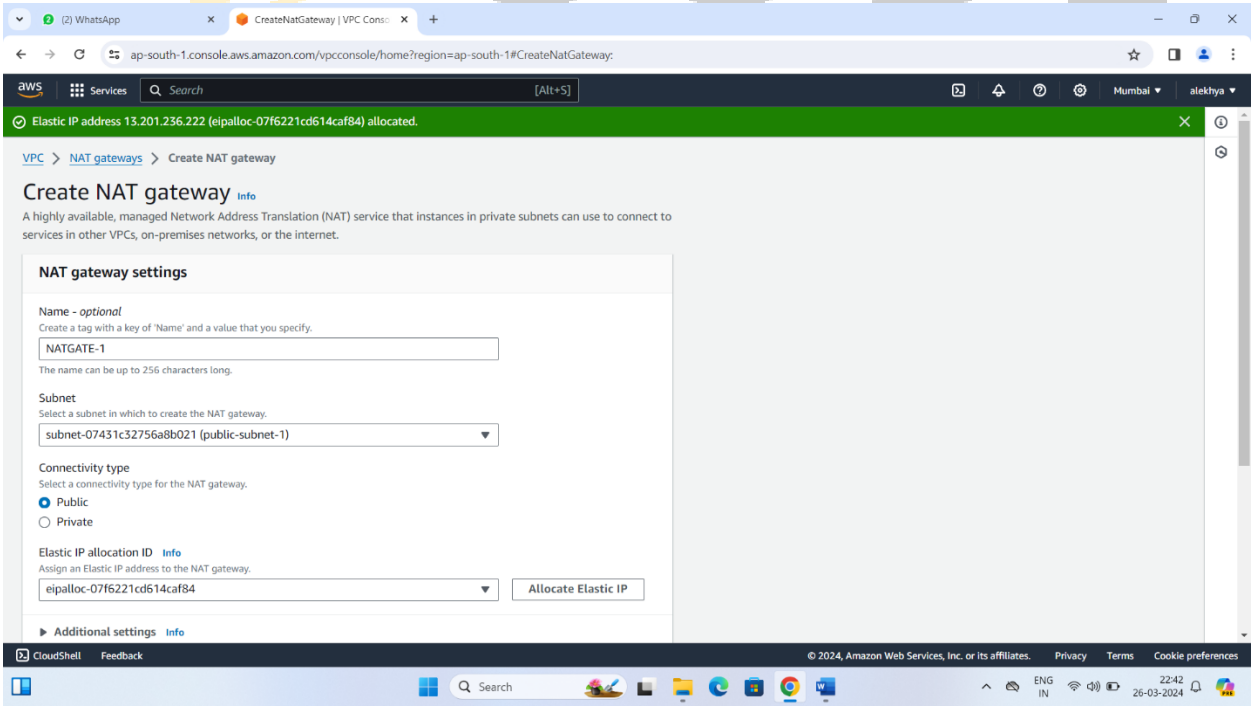


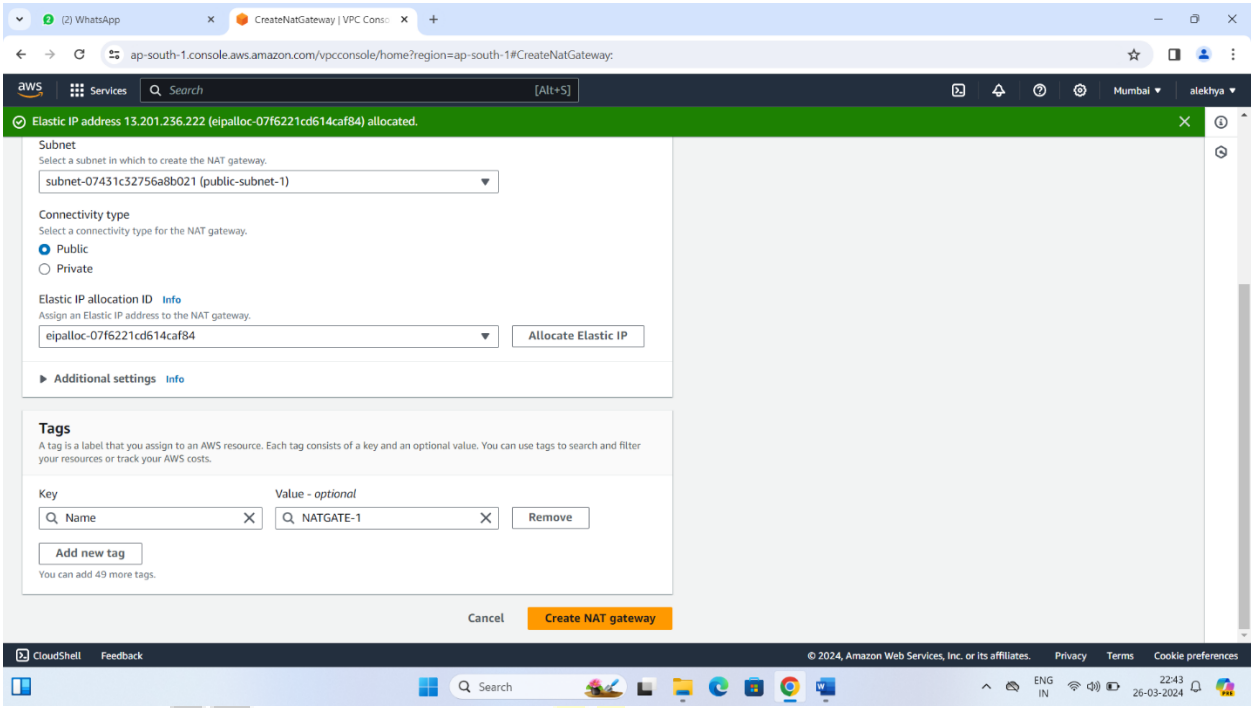
- Go to NAT Gateway



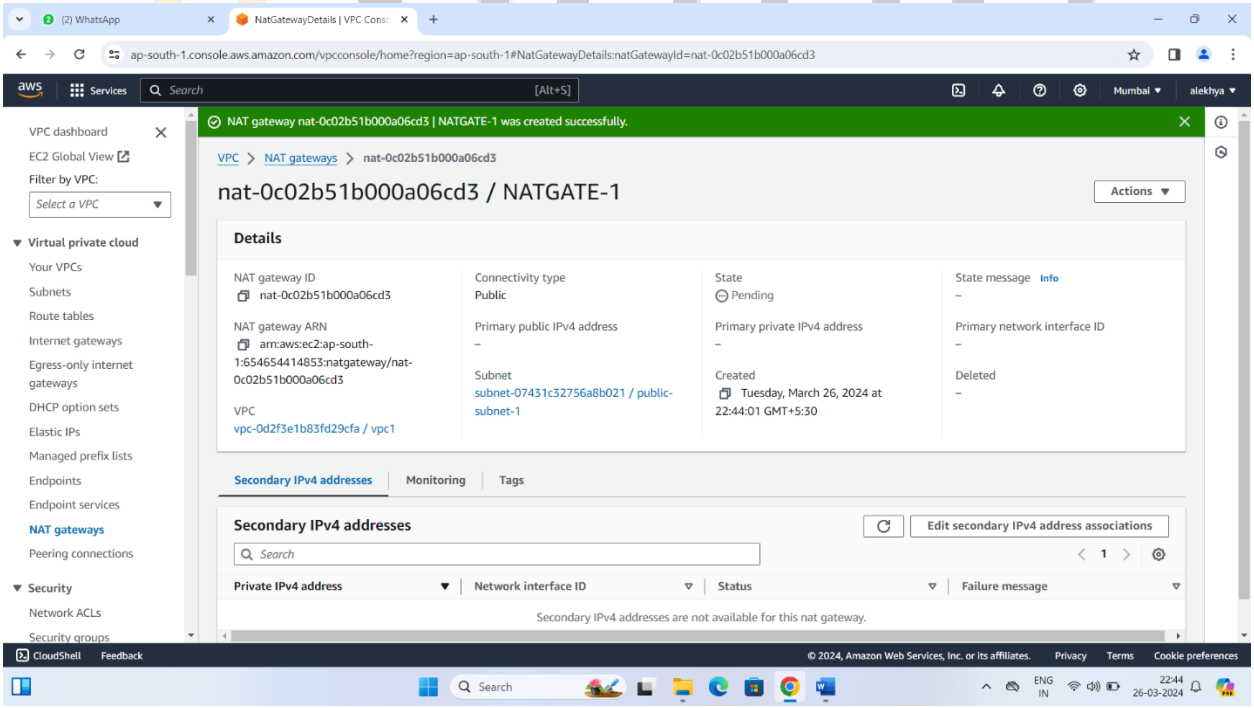
- Click on create NAT gateway
- Enter Name and select public subnet then click on allocate elastic ip then click on create NAT gateway



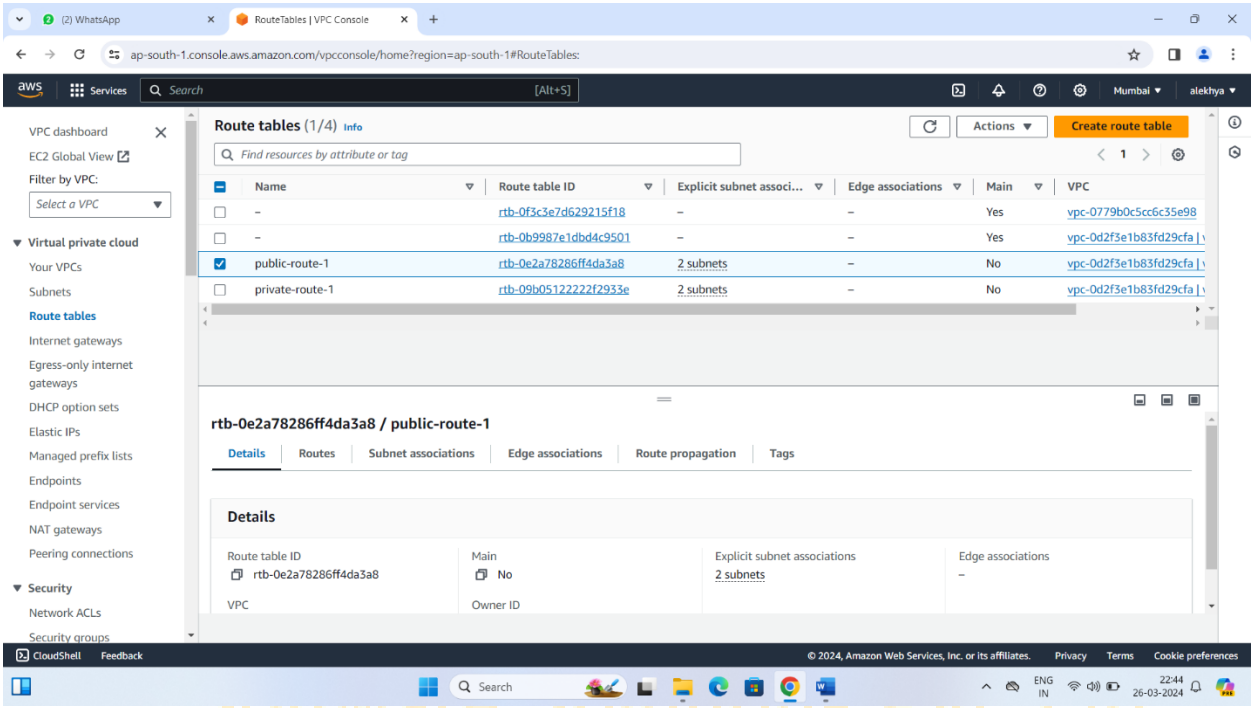


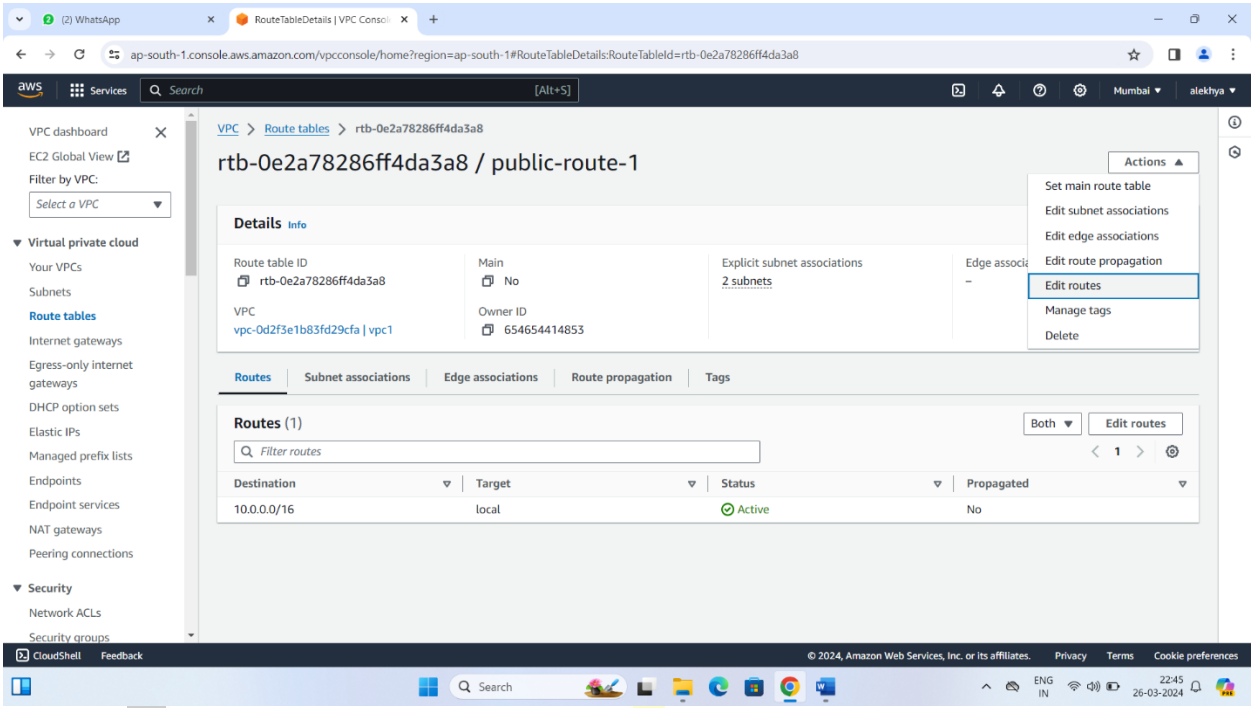


- Go to Route Tables and add routes to the tables



- Click on Public route table id then go to actions
- Click on edit routes
- Click on add route select Destination 0.0.0.0/0
- Select target group is Internet gateway and NAT gateway then click on save changes




(2) WhatsApp
RouteTableDetails | VPC Consol
ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#RouteTableDetails:RouteTableId=rtb-0e2a78286ff4da3a8
aws
Services
Search
[Alt+S]
Mumbai
alekhya
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
Network ACLs
Security groups
VPC > Route tables > rtb-0e2a78286ff4da3a8
rtb-0e2a78286ff4da3a8 / public-route-1
Actions
Set main route table
Edit subnet associations
Edit edge associations
Edit route propagation
Edit routes
Manage tags
Delete
Details Info
Route table ID
rtb-0e2a78286ff4da3a8
Main
No
Explicit subnet associations
2 subnets
Edge associa
–
VPC
vpc-0d2f3e1b83fd29cfa | vpc1
Owner ID
654654414853
Routes
Subnet associations
Edge associations
Route propagation
Tags
Routes (1)
Both
Edit routes
Filter routes
1
Destination
Target
Status
Propagated
10.0.0.0/16
local
Active
No
CloudShell
Feedback
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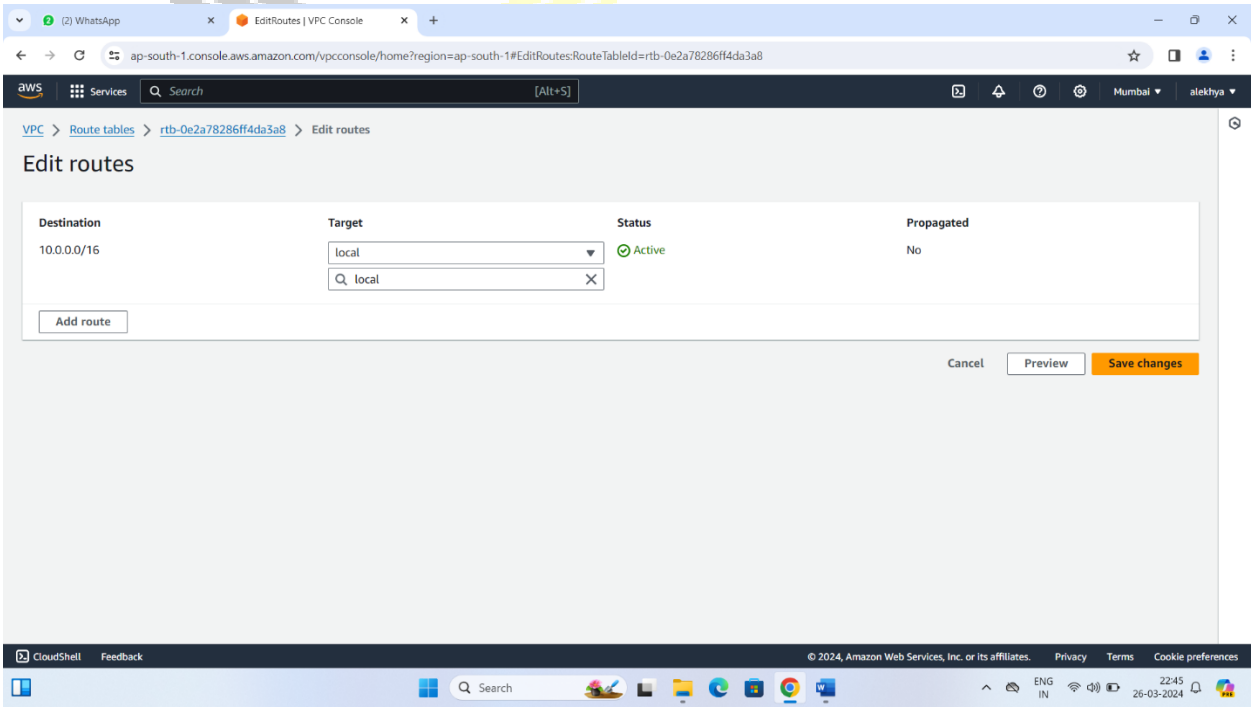
Cookie preferences
Search
ENG
IN
22:45
26-03-2024


(2) WhatsApp
EditRoutes | VPC Console
ap-south-1.console.aws.amazon.com/vpcconsole/home?region=ap-south-1#EditRoutes:RouteTableId=rtb-0e2a78286ff4da3a8
aws
Services
Search
[Alt+S]
Mumbai
alekhya
VPC > Route tables > rtb-0e2a78286ff4da3a8 > Edit routes
Edit routes
Destination
Target
Status
Propagated
10.0.0.0/16
local
local
Active
No
Add route
Cancel
Preview
Save changes
CloudShell
Feedback
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Terms
Cookie preferences
Search
ENG
IN
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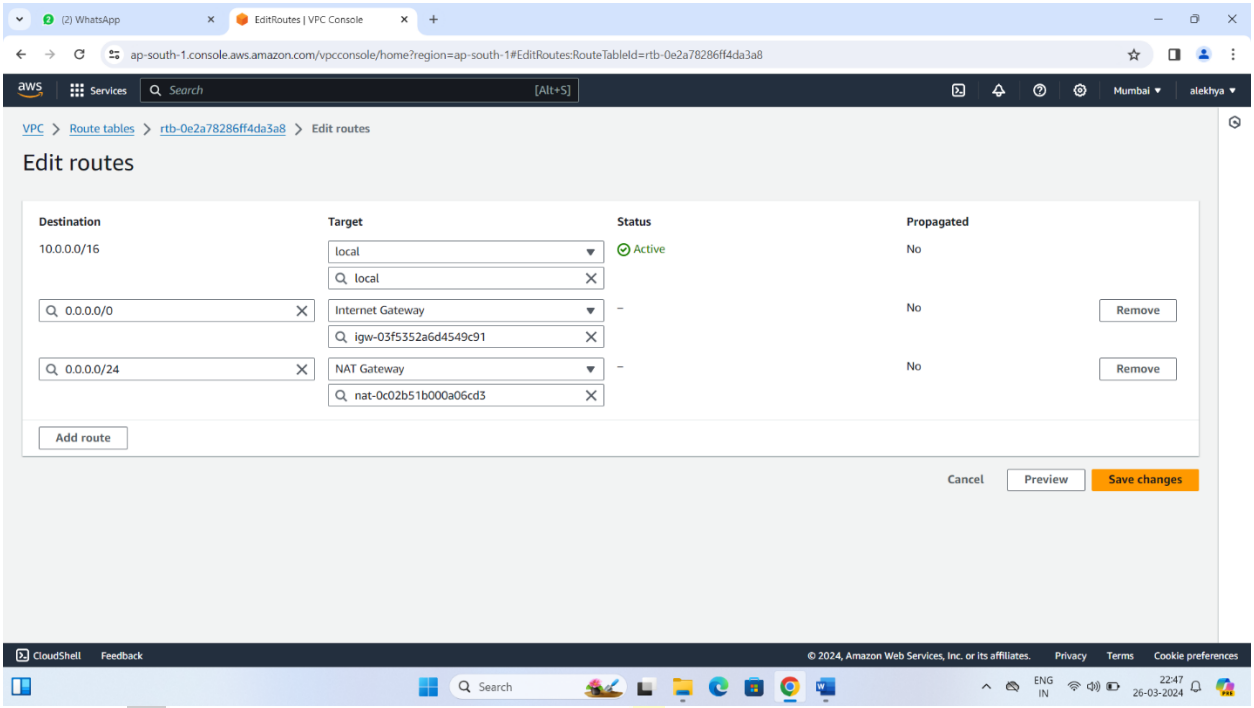
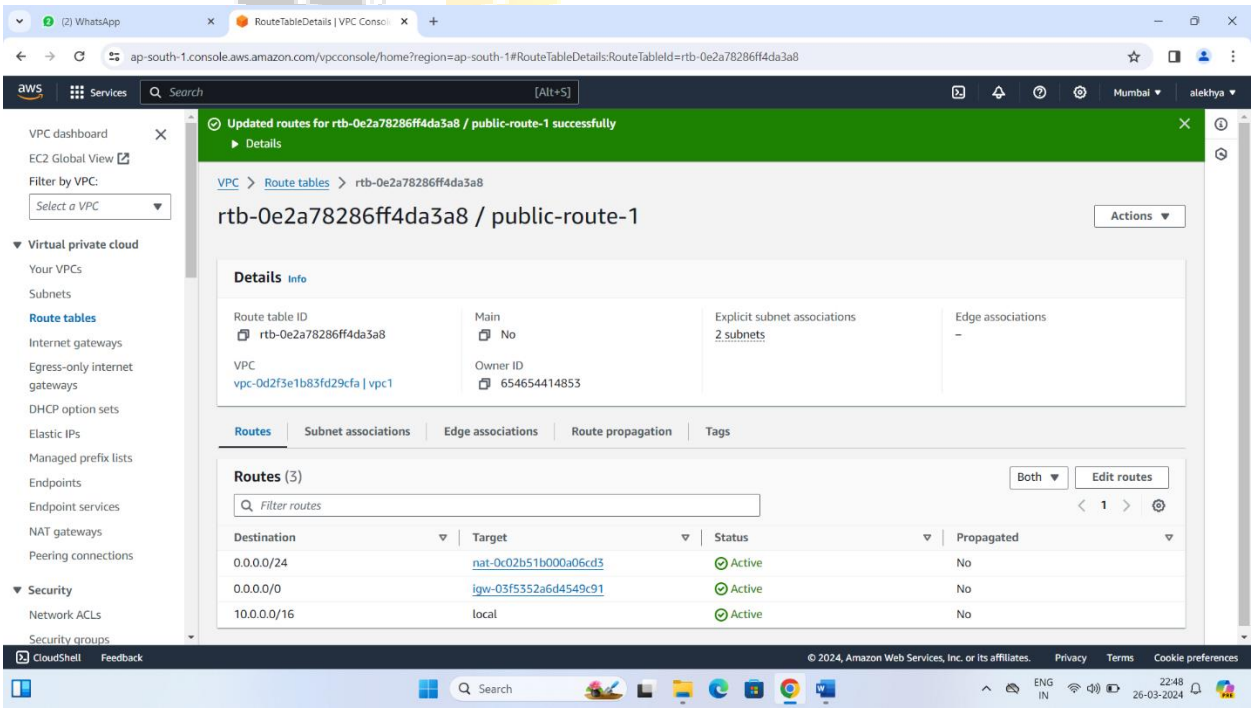
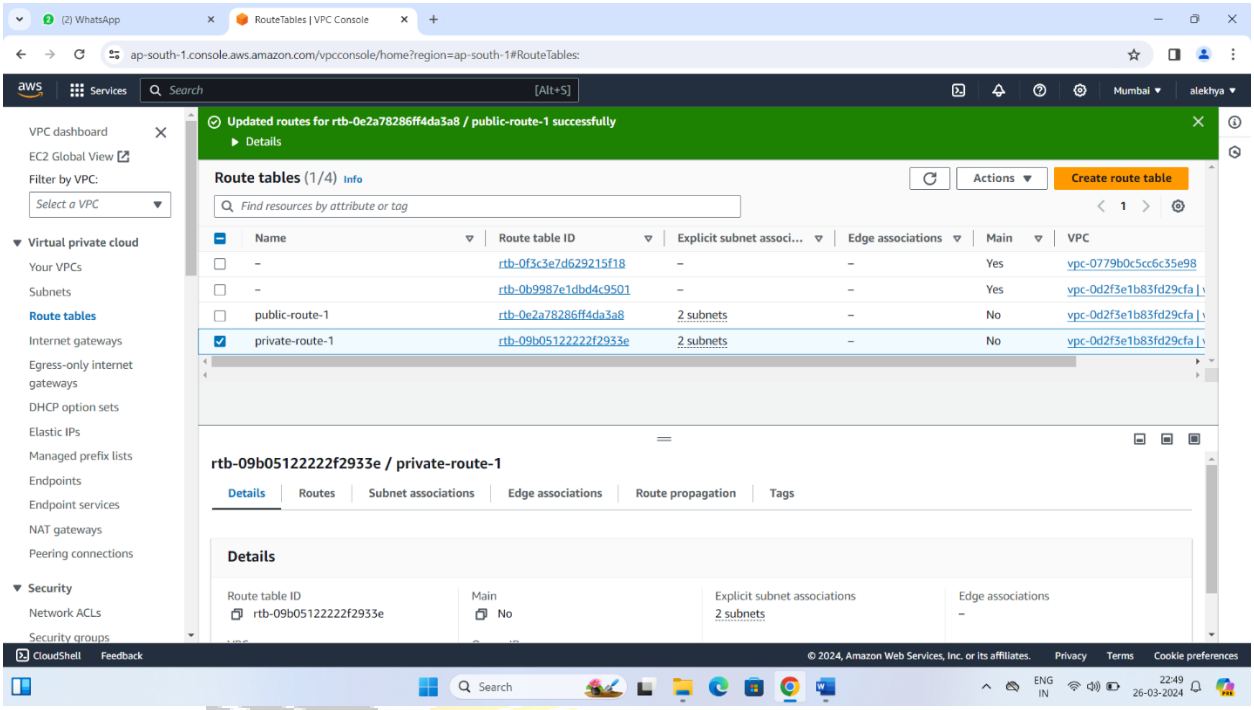
26-03-2024

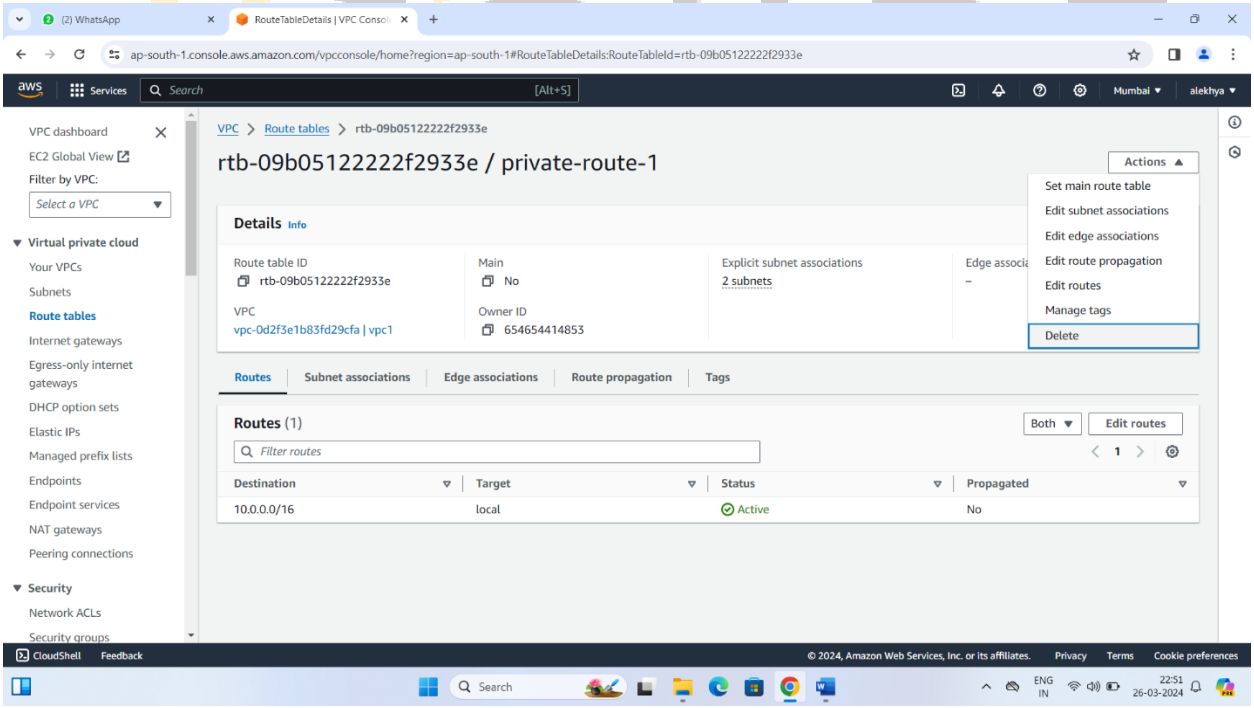


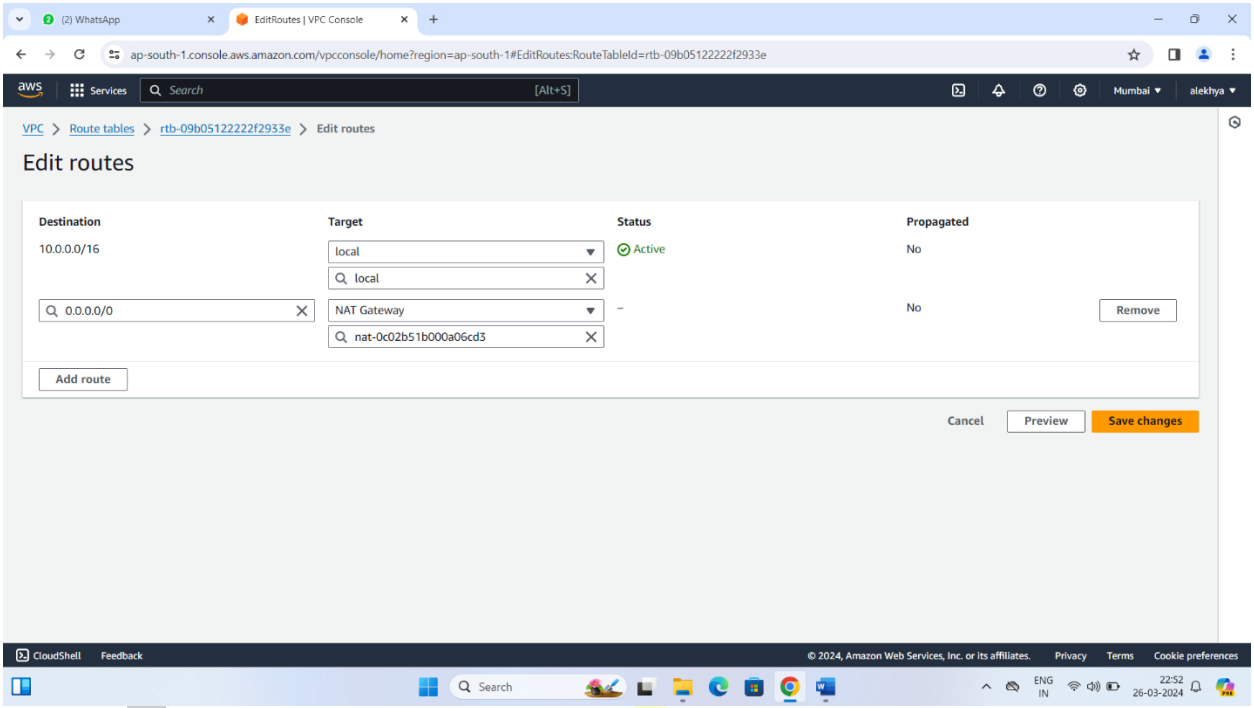


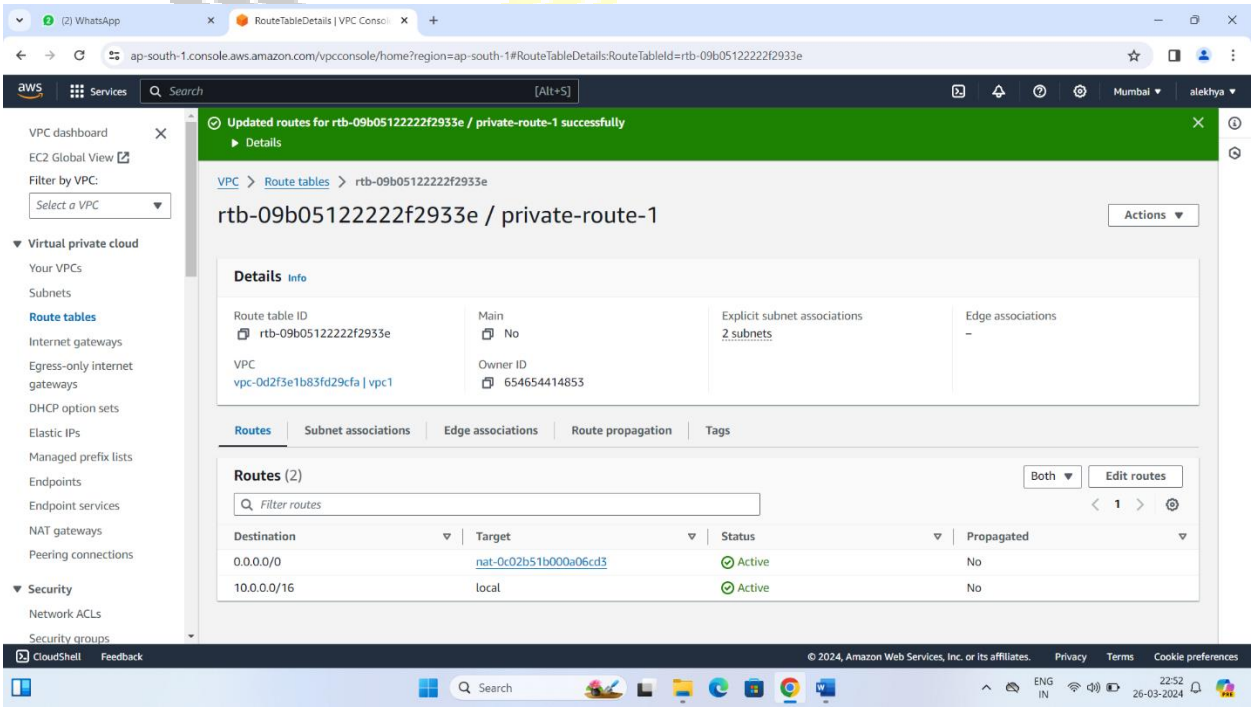
- Click on Private route table id then go to actions
- Click on edit routes

- Click on add route select Destination 0.0.0.0/0
- Select target group is NAT gateway then click on save changes

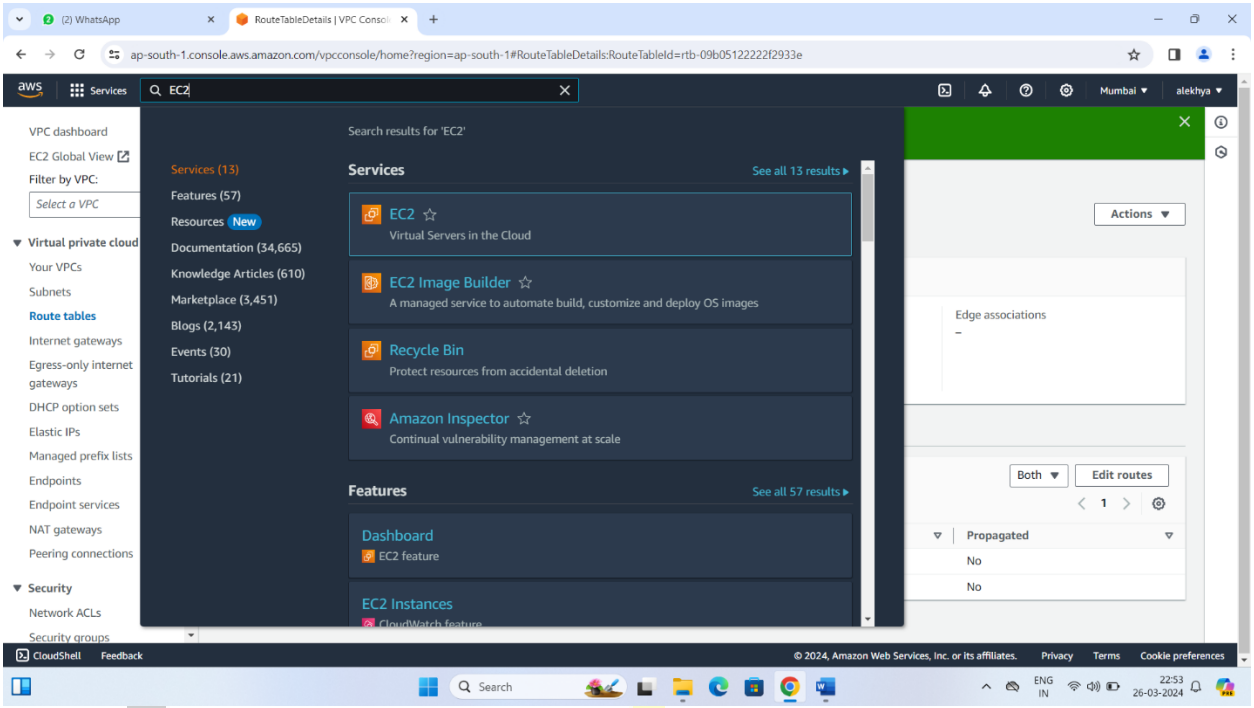




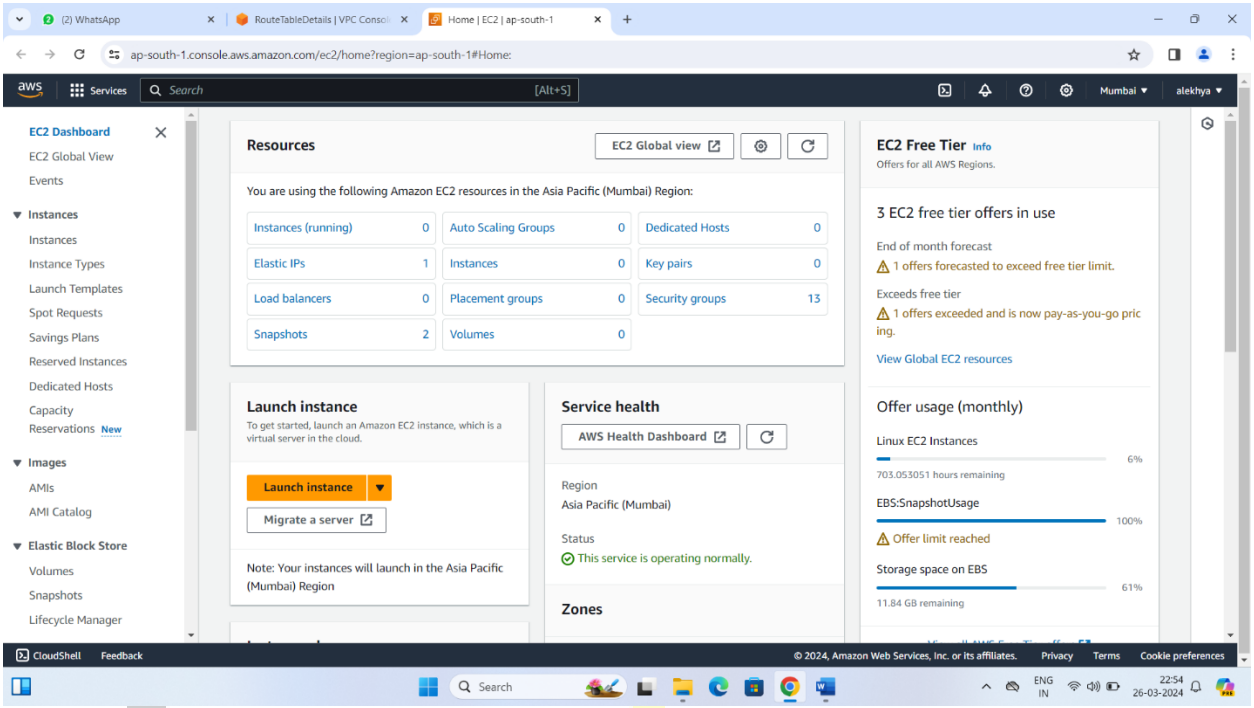




- Click on EC2 instance



- Click on Instances and click on launch instance
- Instance name then select AMI, instance type
- Click on create key pair then enter key name then click on create key pair
- Edit network settings select our VPC and select public subnet and enable auto assign ip
- Click on launch instance


(2) WhatsApp
RouteTableDetails | VPC Consol
Home | EC2 | ap-south-1
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Home:
Services
Search
[Alt+S]
Mumbai
alekhya
EC2 Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations New
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Resources
EC2 Global view
You are using the following Amazon EC2 resources in the Asia Pacific (Mumbai) Region:
Instances (running) 0
Auto Scaling Groups 0
Dedicated Hosts 0
Elastic IPs 1
Instances 0
Key pairs 0
Load balancers 0
Placement groups 0
Security groups 13
Snapshots 2
Volumes 0
Launch instance
To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.
Launch instance
Migrate a server
Note: Your instances will launch in the Asia Pacific (Mumbai) Region
Service health
AWS Health Dashboard
Region
Asia Pacific (Mumbai)
Status
This service is operating normally.
Zones
EC2 Free Tier Info
Offers for all AWS Regions.
3 EC2 free tier offers in use
End of month forecast
1 offers forecasted to exceed free tier limit.
Exceeds free tier
1 offers exceeded and is now pay-as-you-go pric ing.
View Global EC2 resources
Offer usage (monthly)
Linux EC2 Instances
6%
703.053051 hours remaining
EBS:SnapshotUsage
100%
Offer limit reached
Storage space on EBS
61%
11.84 GB remaining
CloudShell
Feedback
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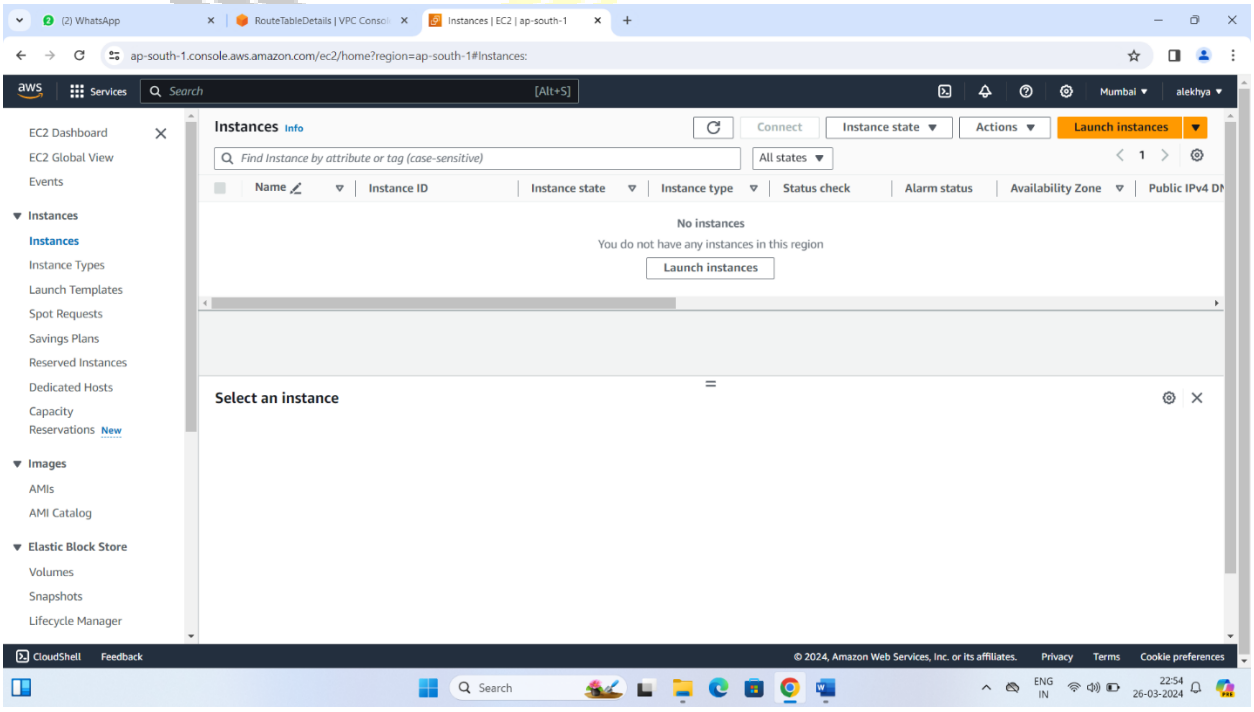
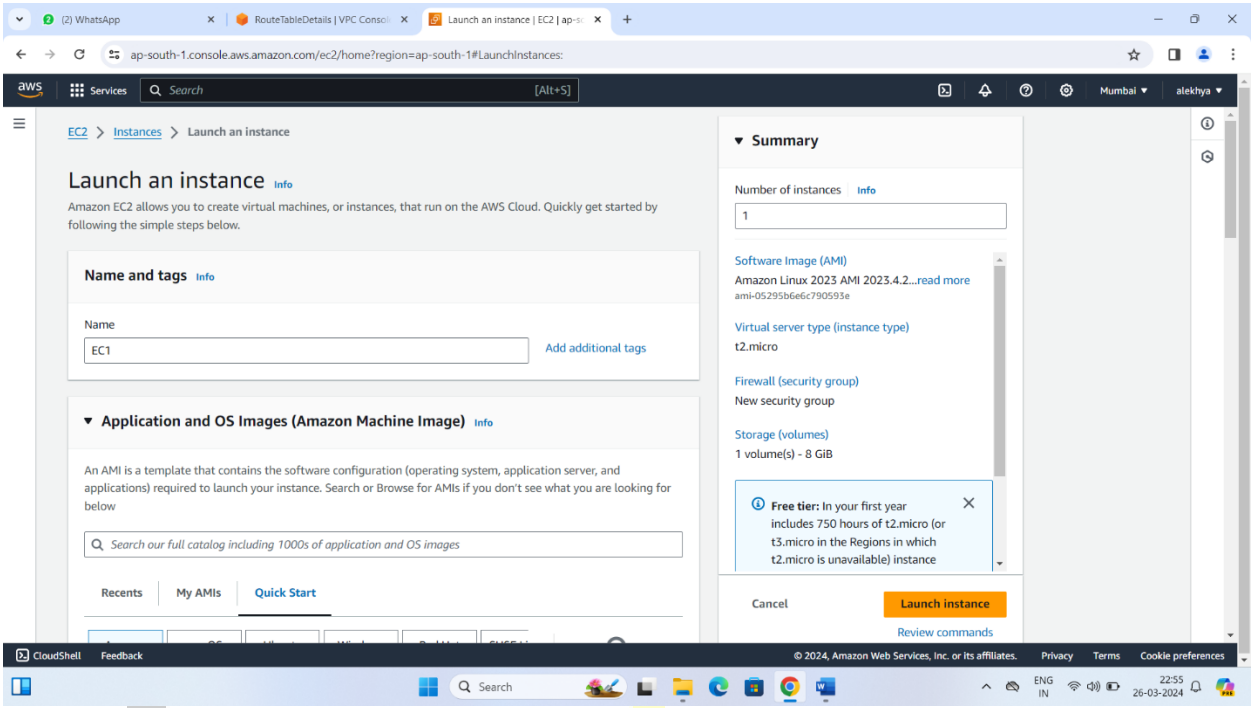
Cookie preferences
ENG IN
22:54
26-03-2024


(2) WhatsApp
RouteTableDetails | VPC Consol
Instances | EC2 | ap-south-1
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:
Services
Search
[Alt+S]
Mumbai
alekhya
EC2 Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations New
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Instances Info
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
Availability Zone
Public IPv4 DN
No instances
You do not have any instances in this region
Launch instances
Select an instance
CloudShell
Feedback
© 2024, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
ENG IN
22:54
26-03-2024


(2) WhatsApp
RouteTableDetails | VPC Consol
Launch an instance | EC2 | ap-s
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances:
aws
Services
Search
[Alt+S]
Mumbai
alekhya
EC2 > Instances > Launch an instance
Launch an instance Info
Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.
Name and tags Info
Name
EC1
Add additional tags
Application and OS Images (Amazon Machine Image) Info
An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below
Search our full catalog including 1000s of application and OS images
Recents
My AMIs
Quick Start
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2023 AMI 2023.4.2...read more
ami-05295b6e6c790593e
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance
Cancel
Launch instance
Review commands
CloudShell
Feedback
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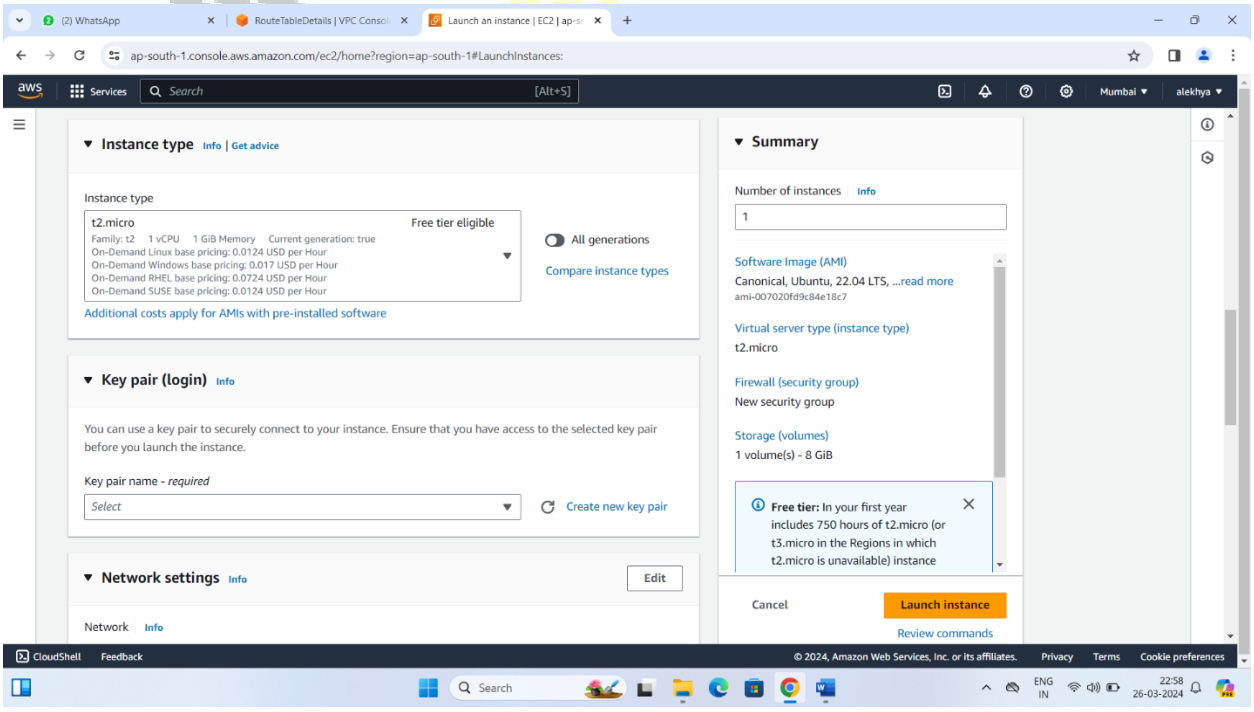
Search
ENG
IN
22:55
26-03-2024


(2) WhatsApp
RouteTableDetails | VPC Consol
Launch an instance | EC2 | ap-s
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances:
aws
Services
Search
[Alt+S]
Mumbai
alekhya
Instance type Info | Get advice
Instance type
t2.micro
Free tier eligible
Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Linux base pricing: 0.0124 USD per Hour
On-Demand Windows base pricing: 0.017 USD per Hour
On-Demand RHEL base pricing: 0.0724 USD per Hour
On-Demand SUSE base pricing: 0.0124 USD per Hour
All generations
Compare instance types
Additional costs apply for AMIs with pre-installed software
Key pair (login) Info
You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.
Key pair name - required
Select
Create new key pair
Network settings Info
Edit
Network Info
Summary
Number of instances Info
1
Software Image (AMI)
Canonical, Ubuntu, 22.04 LTS, ...read more
ami-007020fd9c84e18c7
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance
Cancel
Launch instance
Review commands
CloudShell
Feedback
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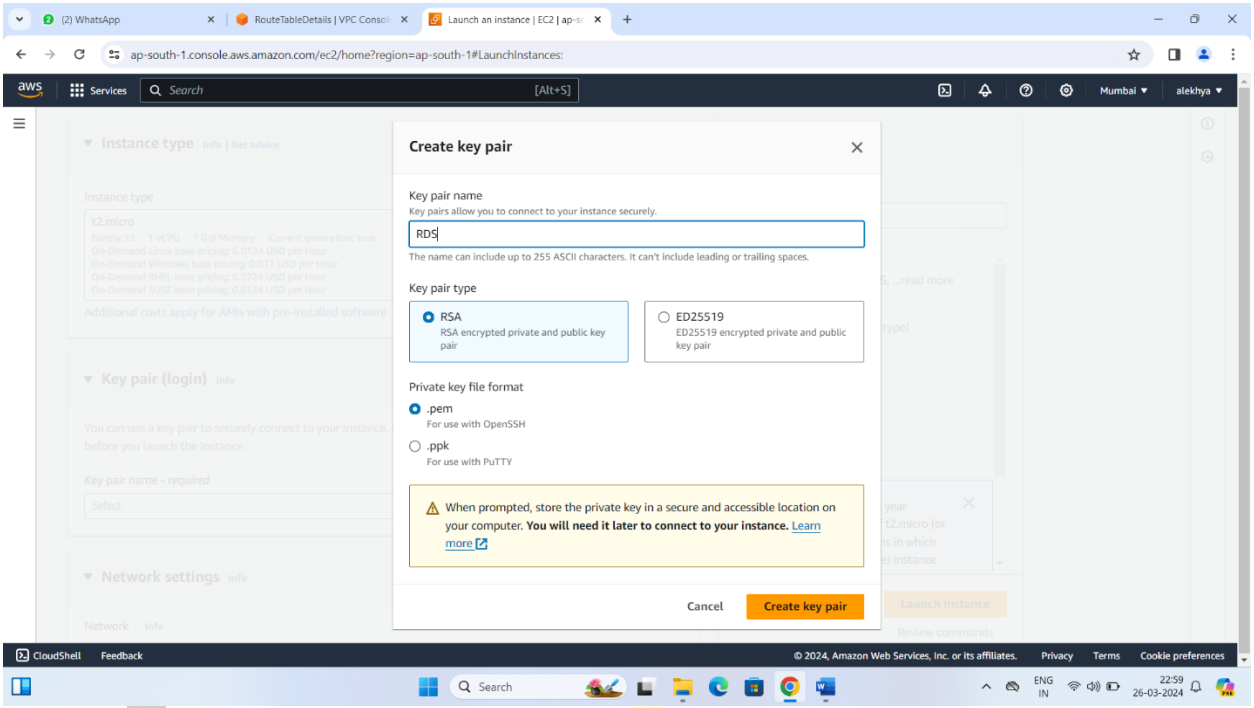
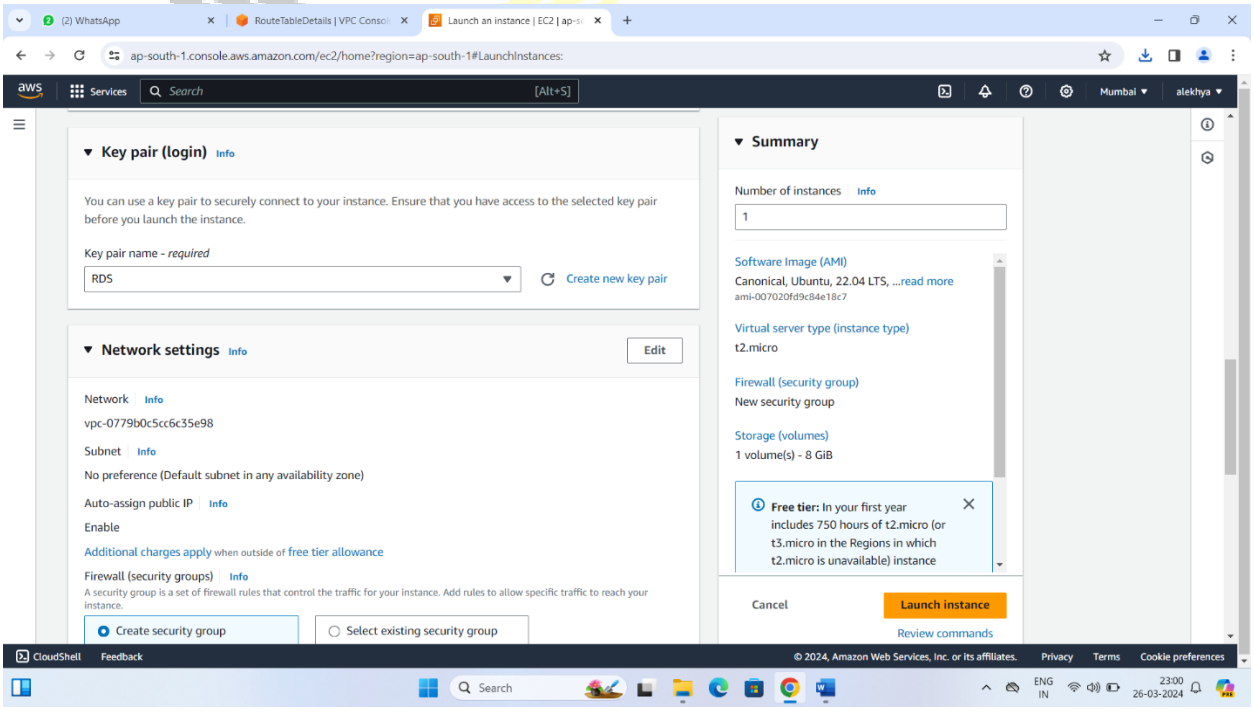
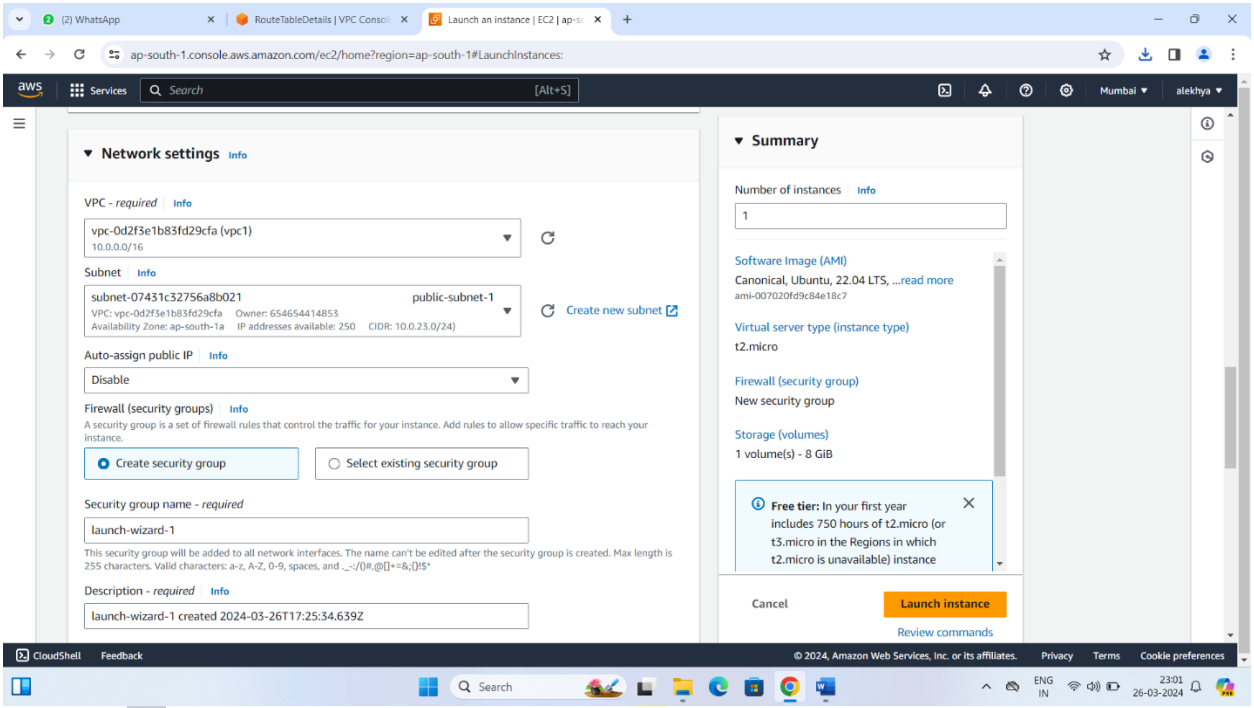
22:58
26-03-2024


Create key pair
Key pair name
Key pairs allow you to connect to your instance securely.
RDS
The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.
Key pair type
RSA
RSA encrypted private and public key pair
ED25519
ED25519 encrypted private and public key pair
Private key file format
.pem
For use with OpenSSH
.ppk
For use with PuTTY
When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. Learn more
Cancel
Create key pair


Key pair (login) Info
You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.
Key pair name - required
RDS
Create new key pair
Network settings Info
Edit
Network Info
vpc-0779b0c5cc6c35e98
Subnet Info
No preference (Default subnet in any availability zone)
Auto-assign public IP Info
Enable
Additional charges apply when outside of free tier allowance
Firewall (security groups) Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
Create security group
Select existing security group
Summary
Number of instances Info
1
Software Image (AMI)
Canonical, Ubuntu, 22.04 LTS, ...read more
ami-007020fd9c84e18c7
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance
Cancel
Launch instance
Review commands


(2) WhatsApp
RouteTableDetails | VPC Consol
Launch an instance | EC2 | ap-s
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances:
aws
Services
Search
[Alt+S]
Mumbai
alekhya
Network settings Info
VPC - required Info
vpc-0d2f3e1b83fd29cfa (vpc1)
10.0.0.0/16
Subnet Info
subnet-07431c32756a8b021
public-subnet-1
VPC: vpc-0d2f3e1b83fd29cfa Owner: 654654414853
Availability Zone: ap-south-1a IP addresses available: 250 CIDR: 10.0.23.0/24)
Create new subnet
Auto-assign public IP Info
Disable
Firewall (security groups) Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
Create security group
Select existing security group
Security group name - required
launch-wizard-1
This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and ._-:/()#,@[]+=&;{}!$*
Description - required Info
launch-wizard-1 created 2024-03-26T17:25:34.639Z
Summary
Number of instances Info
1
Software Image (AMI)
Canonical, Ubuntu, 22.04 LTS, ...read more
ami-007020fd9c84e18c7
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance
Cancel
Launch instance
Review commands
CloudShell
Feedback
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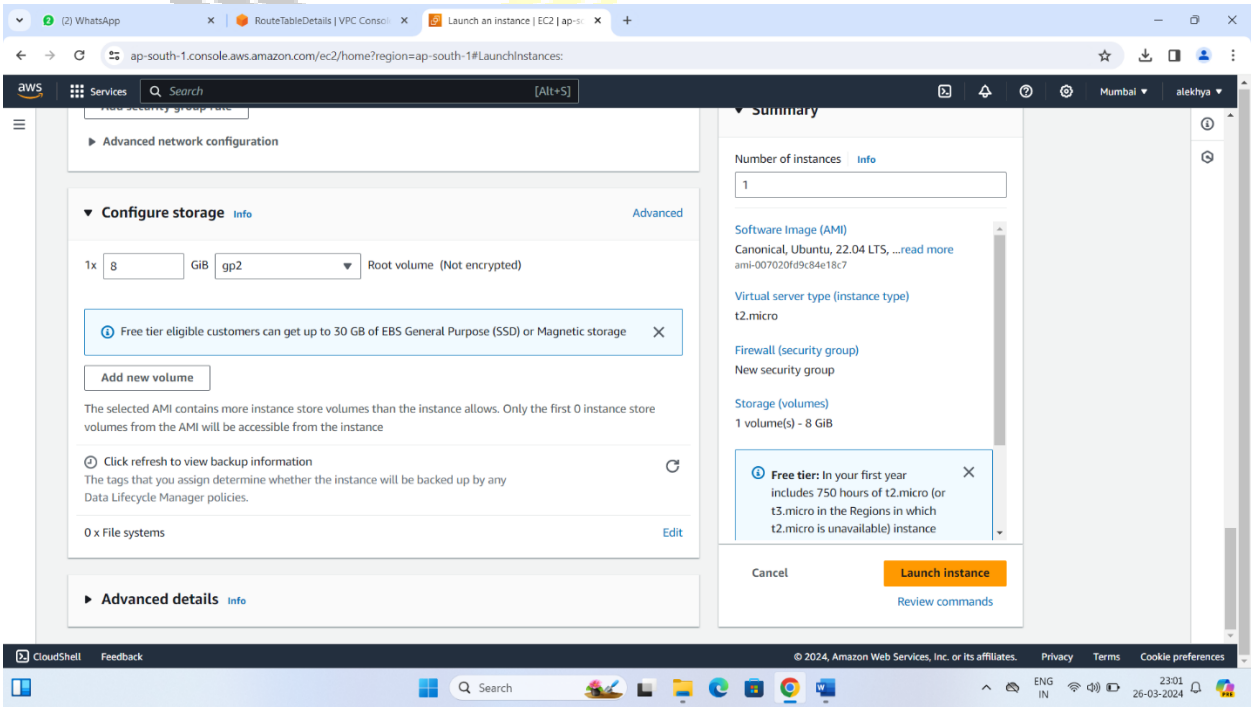
Cookie preferences
Search
ENG
IN
23:01
26-03-2024


(2) WhatsApp
RouteTableDetails | VPC Consol
Launch an instance | EC2 | ap-s
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances:
aws
Services
Search
[Alt+S]
Mumbai
alekhya
Advanced network configuration
Configure storage Info
Advanced
1x
8
GiB
gp2
Root volume (Not encrypted)
Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage
Add new volume
The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance
Click refresh to view backup information
The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.
0 x File systems
Edit
Advanced details Info
Summary
Number of instances Info
1
Software Image (AMI)
Canonical, Ubuntu, 22.04 LTS, ...read more
ami-007020fd9c84e18c7
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance
Cancel
Launch instance
Review commands
CloudShell
Feedback
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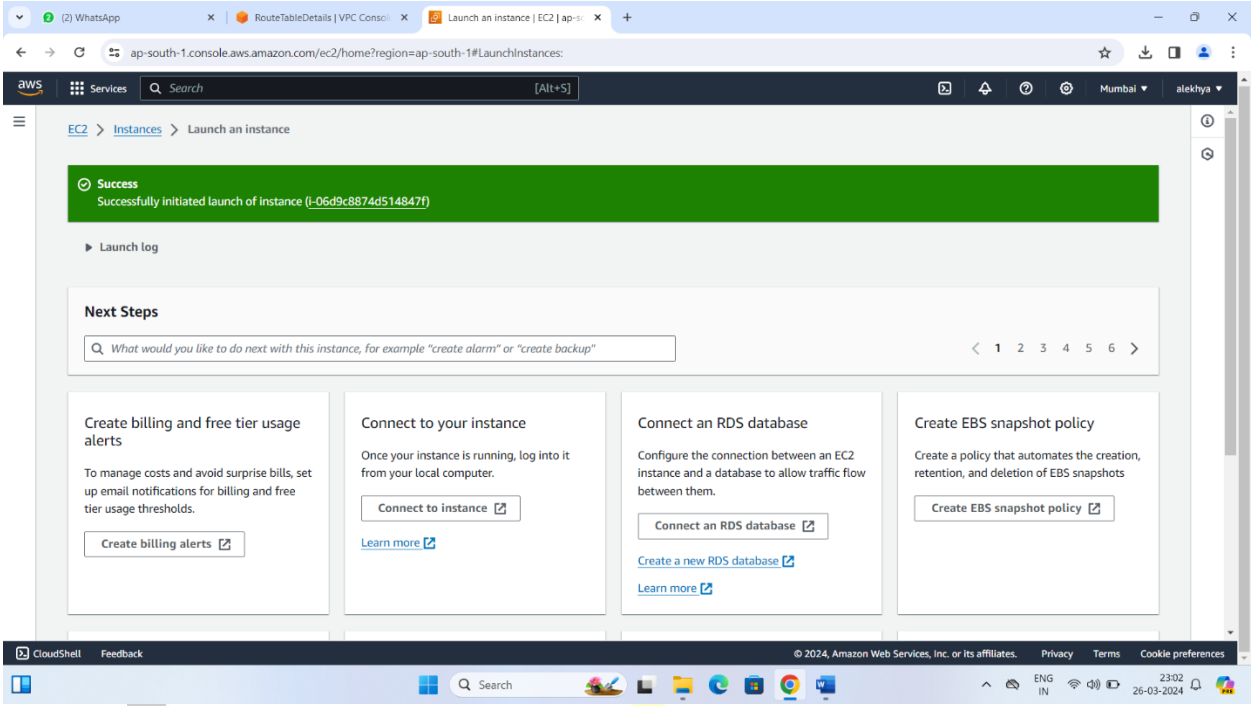
23:01
26-03-2024


(2) WhatsApp
RouteTableDetails | VPC Consol
Launch an instance | EC2 | ap-s
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#LaunchInstances:
Services
Search
[Alt+S]
Mumbai
alekhya
EC2 > Instances > Launch an instance
Success
Successfully initiated launch of instance (i-06d9c8874d514847f)
Launch log
Next Steps
What would you like to do next with this instance, for example "create alarm" or "create backup"
1 2 3 4 5 6
Create billing and free tier usage alerts
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.
Create billing alerts
Connect to your instance
Once your instance is running, log into it from your local computer.
Connect to instance
Learn more
Connect an RDS database
Configure the connection between an EC2 instance and a database to allow traffic flow between them.
Connect an RDS database
Create a new RDS database
Learn more
Create EBS snapshot policy
Create a policy that automates the creation, retention, and deletion of EBS snapshots
Create EBS snapshot policy
CloudShell
Feedback
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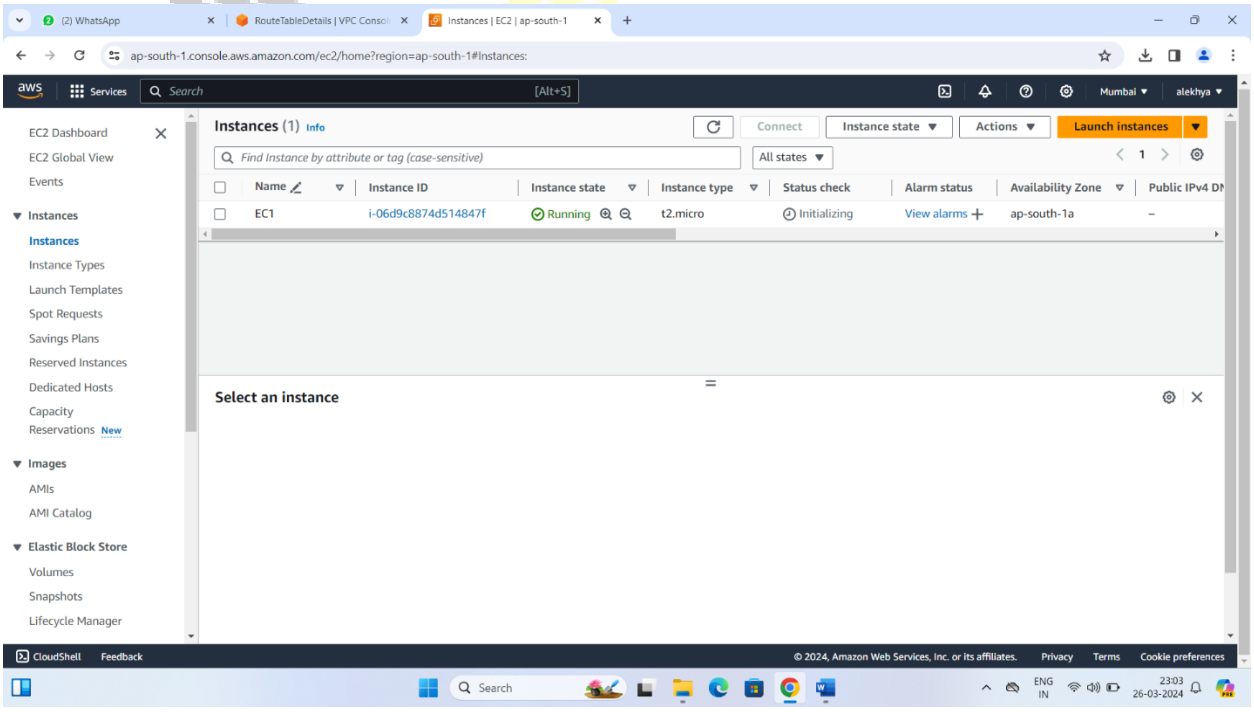
Search
ENG
IN
23:02
26-03-2024


(2) WhatsApp
RouteTableDetails | VPC Consol
Instances | EC2 | ap-south-1
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:
Services
Search
[Alt+S]
Mumbai
alekhya
EC2 Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations New
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
Instances (1) Info
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
Availability Zone
Public IPv4 DN
EC1
i-06d9c8874d514847f
Running
t2.micro
Initializing
View alarms
ap-south-1a
–
Select an instance
CloudShell
Feedback
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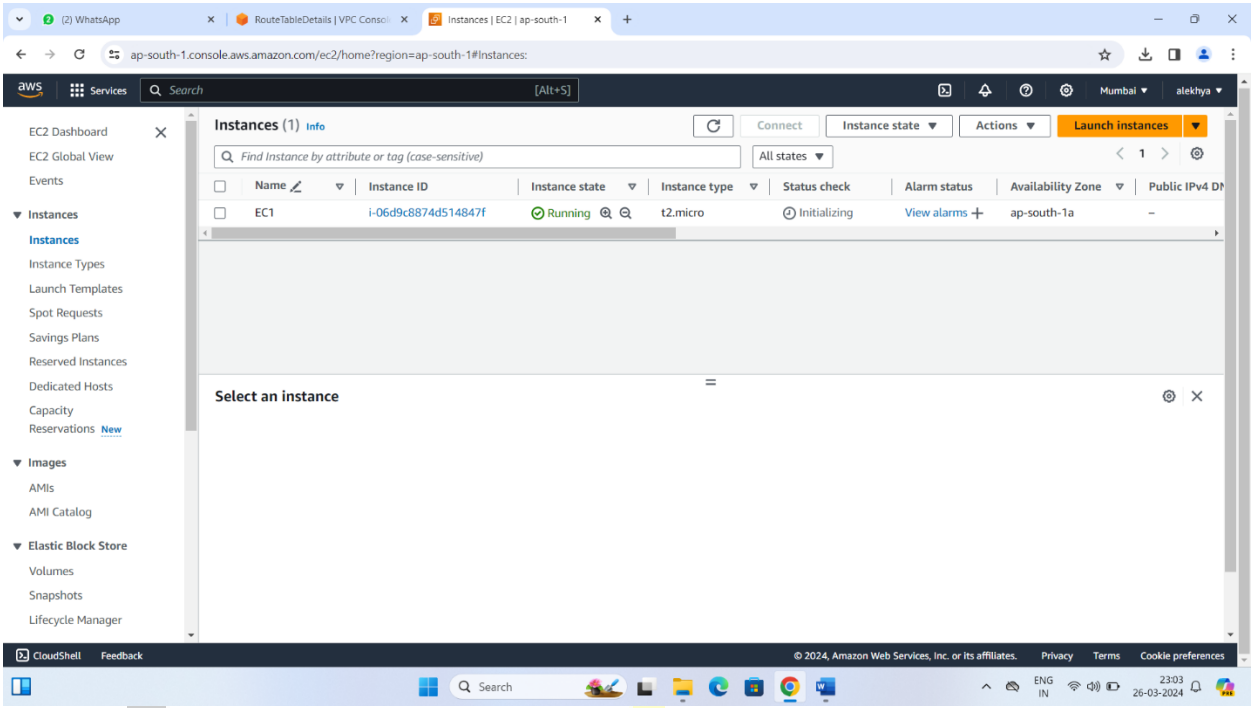
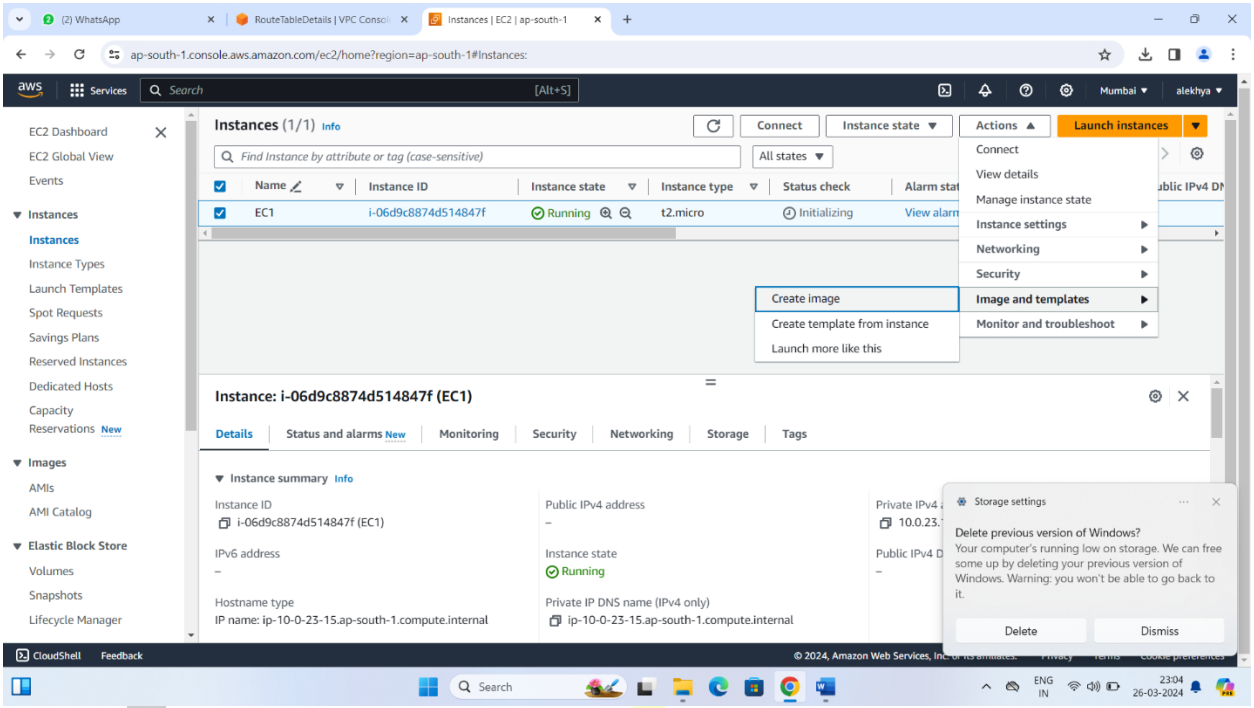
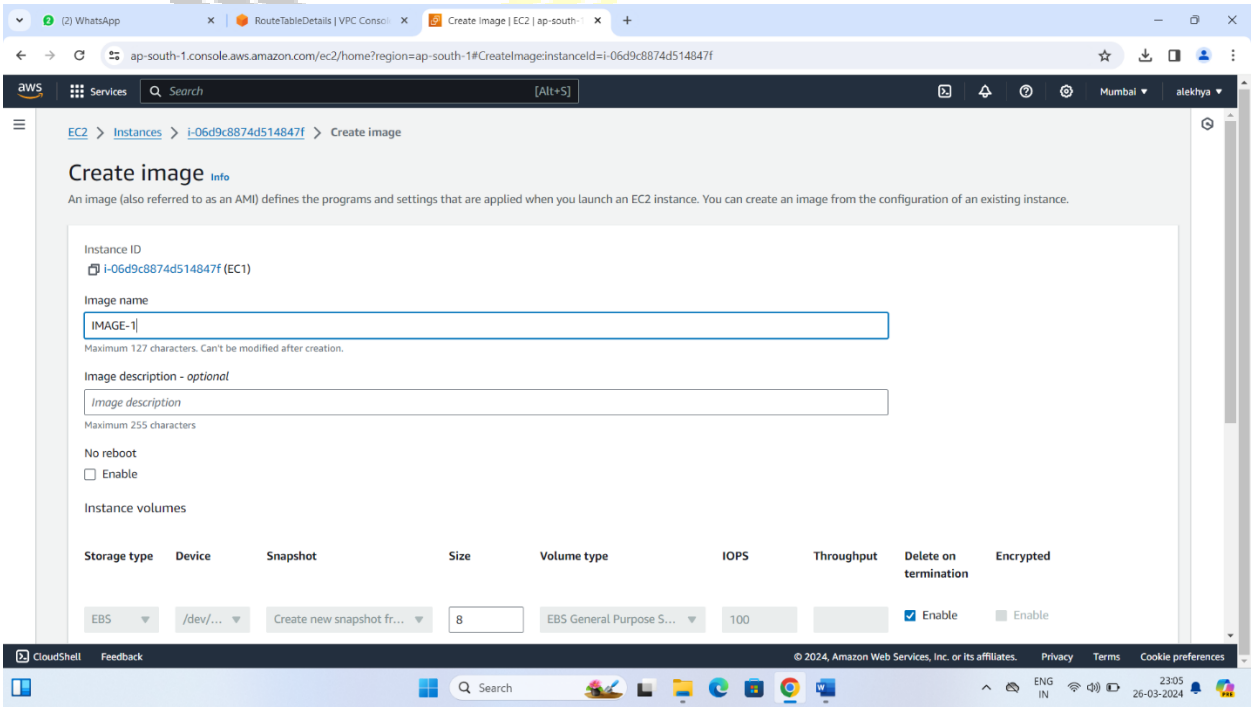
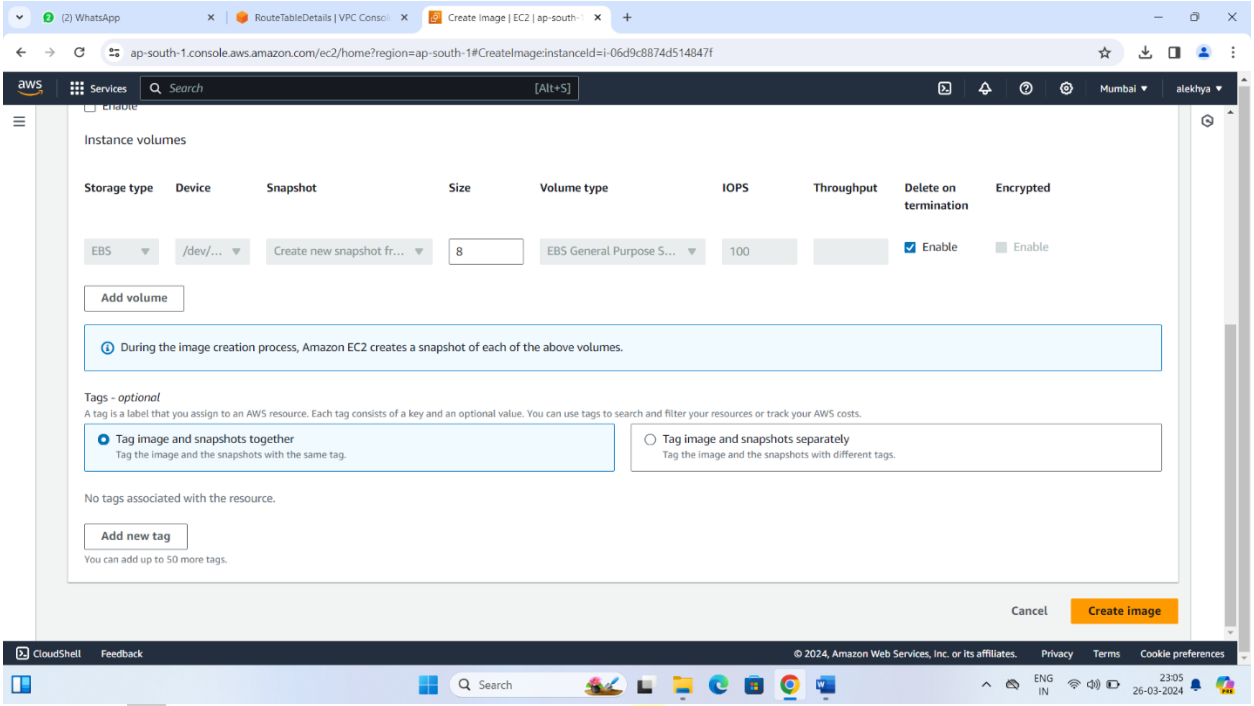
Privacy
Terms
Cookie preferences
Search
ENG
IN
23:03
26-03-2024



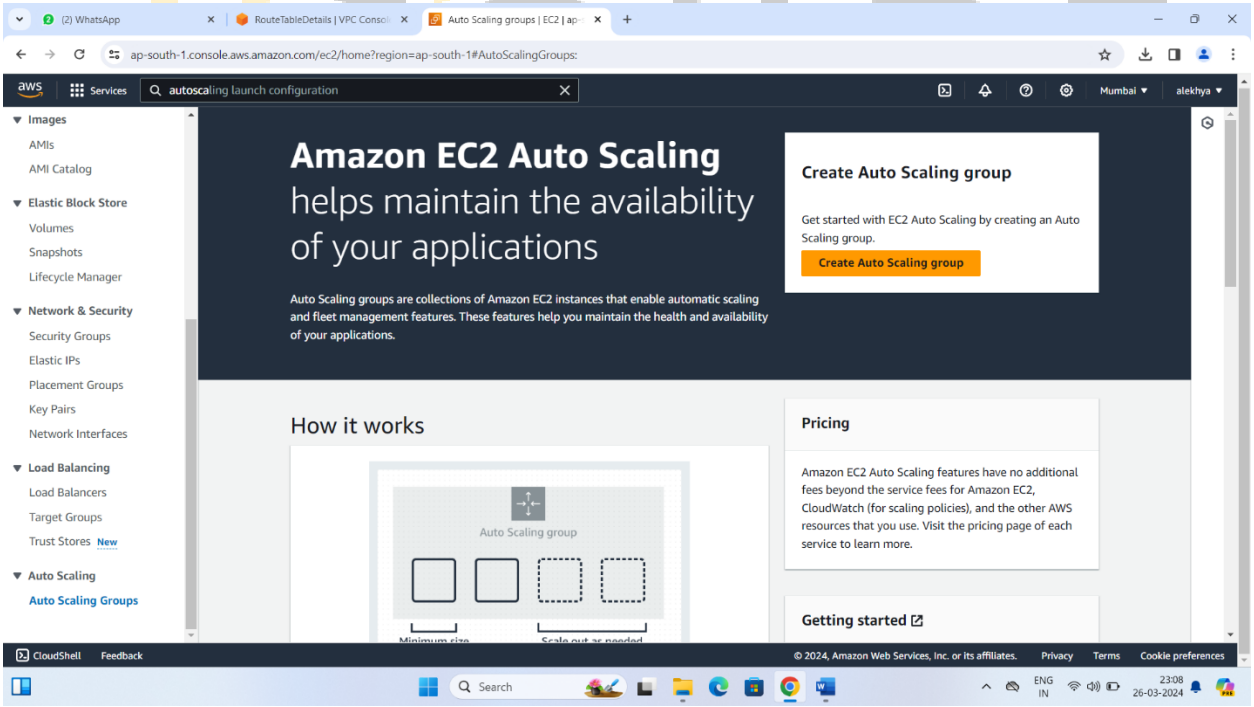
- Click on Check box Created EC2 instance go to actions then image and templates and create image.
- Enter name then click on create image.


ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:
Instances (1/1) Info
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
EC1
i-06d9c8874d514847f
Running
t2.micro
Initializing
Connect
View details
Manage instance state
Instance settings
Networking
Security
Image and templates
Monitor and troubleshoot
Create image
Create template from instance
Launch more like this
Instance: i-06d9c8874d514847f (EC1)
Details
Status and alarms New
Monitoring
Security
Networking
Storage
Tags
Instance summary Info
Instance ID
i-06d9c8874d514847f (EC1)
Public IPv4 address
Instance state
Running
IPv6 address
Hostname type
IP name: ip-10-0-23-15.ap-south-1.compute.internal
Private IP DNS name (IPv4 only)
ip-10-0-23-15.ap-south-1.compute.internal
Storage settings
Delete previous version of Windows?
Your computer's running low on storage. We can free some up by deleting your previous version of Windows. Warning: you won't be able to go back to it.
Delete
Dismiss

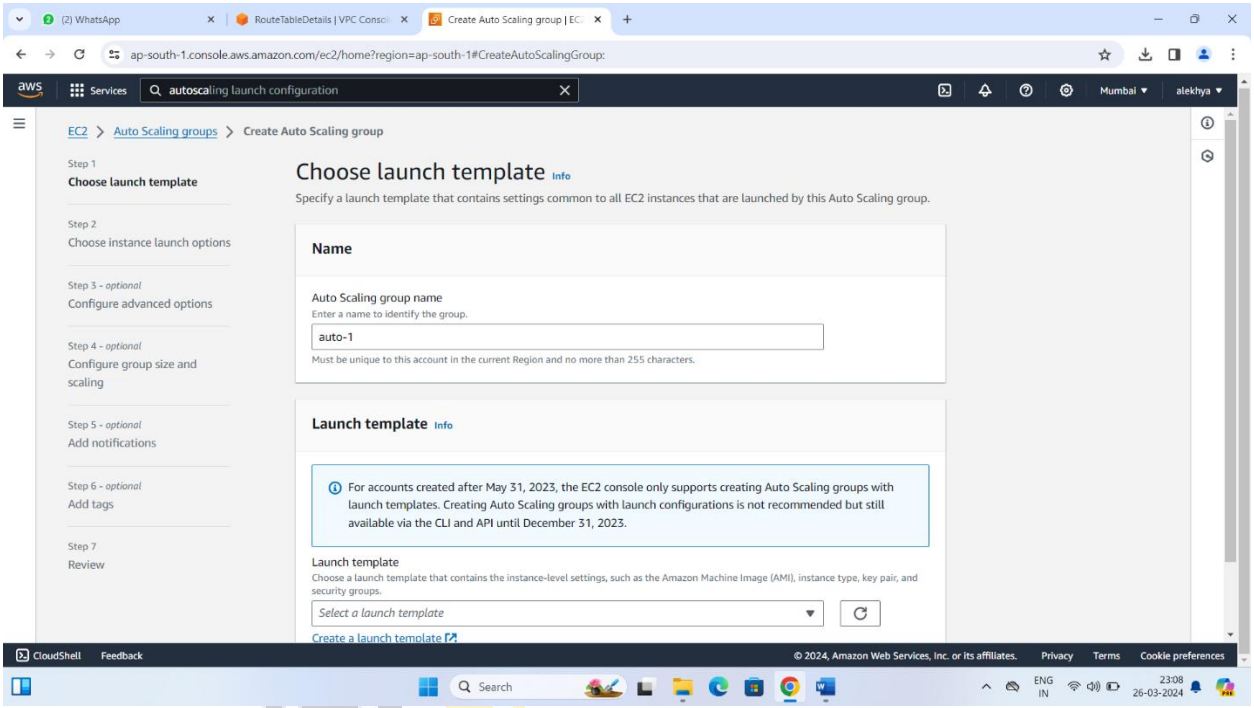

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateImage:instanceId=i-06d9c8874d514847f
EC2 > Instances > i-06d9c8874d514847f > Create image
Create image Info
An image (also referred to as an AMI) defines the programs and settings that are applied when you launch an EC2 instance. You can create an image from the configuration of an existing instance.
Instance ID
i-06d9c8874d514847f (EC1)
Image name
IMAGE-1
Maximum 127 characters. Can't be modified after creation.
Image description - optional
Image description
Maximum 255 characters
No reboot
Enable
Instance volumes
Storage type
Device
Snapshot
Size
Volume type
IOPS
Throughput
Delete on termination
Encrypted
EBS
/dev/...
Create new snapshot fr...
8
EBS General Purpose S...
100
Enable
Enable

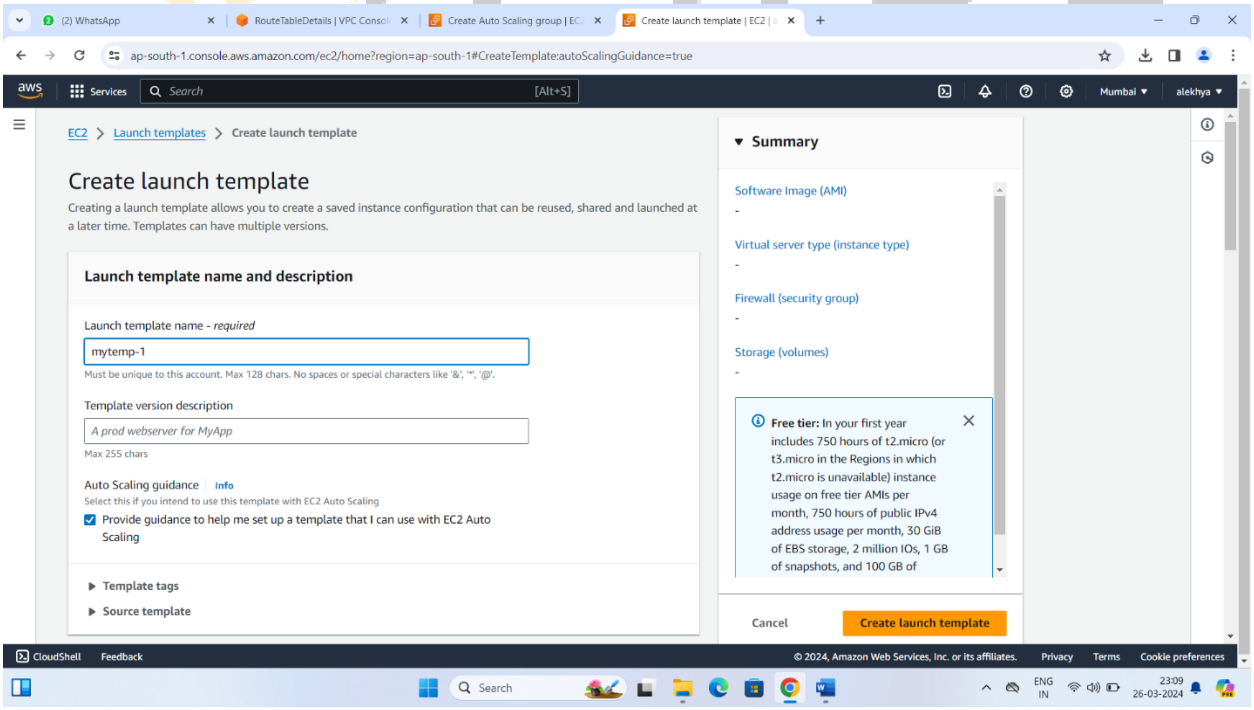


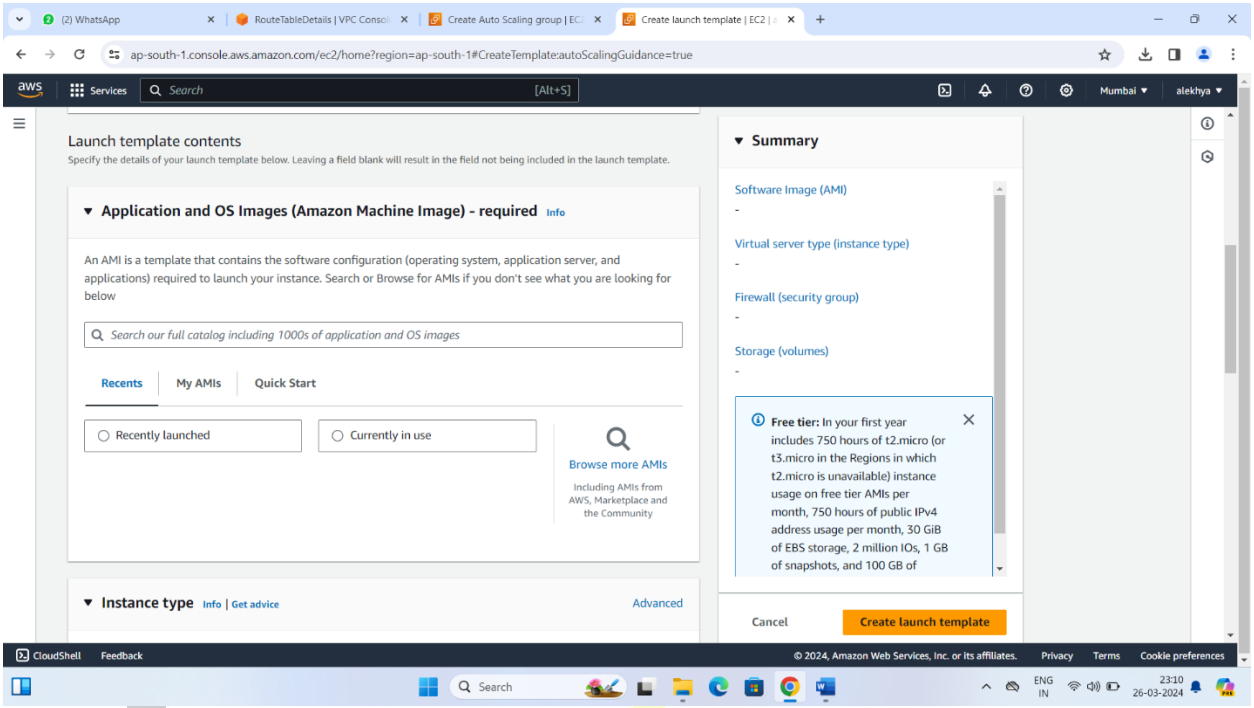
- Go to Auto scaling group
- Click on create auto scaling group



- Click on launch template
- Enter launch template name then select our created AMI, instance type, key pair and select security group then click launch template.






(2) WhatsApp
RouteTableDetails | VPC Consol
Create Auto Scaling group | EC
Create launch template | EC2
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateTemplate:autoScalingGuidance=true
aws
Services
Search
[Alt+S]
Mumbai
alekhya
Launch template contents
Specify the details of your launch template below. Leaving a field blank will result in the field not being included in the launch template.
Application and OS Images (Amazon Machine Image) - required Info
An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below
Search our full catalog including 1000s of application and OS images
Recents
My AMIs
Quick Start
Recently launched
Currently in use
Browse more AMIs
Including AMIs from AWS, Marketplace and the Community
Instance type Info | Get advice
Advanced
Summary
Software Image (AMI)
-
Virtual server type (instance type)
-
Firewall (security group)
-
Storage (volumes)
-
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of
Cancel
Create launch template
CloudShell
Feedback
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Cookie preferences
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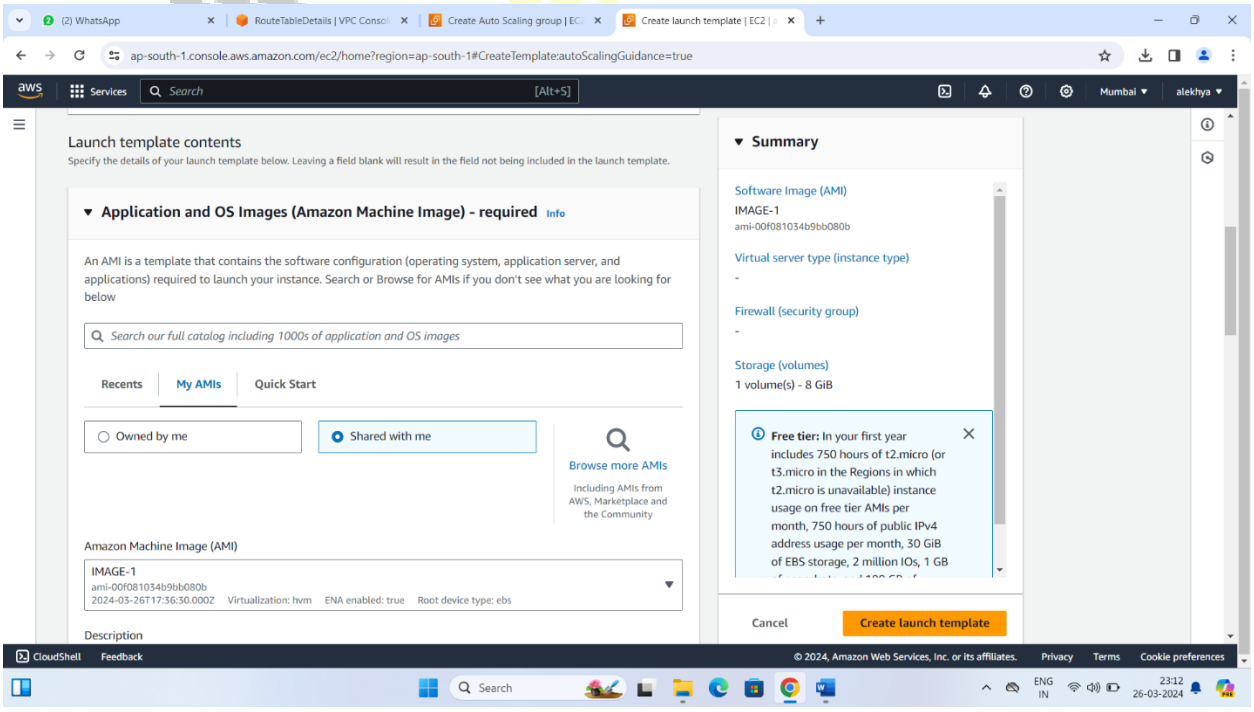
26-03-2024


(2) WhatsApp
RouteTableDetails | VPC Consol
Create Auto Scaling group | EC
Create launch template | EC2
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateTemplate:autoScalingGuidance=true
aws
Services
Search
[Alt+S]
Mumbai
alekhya
Launch template contents
Specify the details of your launch template below. Leaving a field blank will result in the field not being included in the launch template.
Application and OS Images (Amazon Machine Image) - required Info
An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below
Search our full catalog including 1000s of application and OS images
Recents
My AMIs
Quick Start
Owned by me
Shared with me
Browse more AMIs
Including AMIs from AWS, Marketplace and the Community
Amazon Machine Image (AMI)
IMAGE-1
ami-00f081034b9bb080b
2024-03-26T17:36:30.000Z Virtualization: hvm ENA enabled: true Root device type: ebs
Description
Summary
Software Image (AMI)
IMAGE-1
ami-00f081034b9bb080b
Virtual server type (instance type)
-
Firewall (security group)
-
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB
Cancel
Create launch template
CloudShell
Feedback
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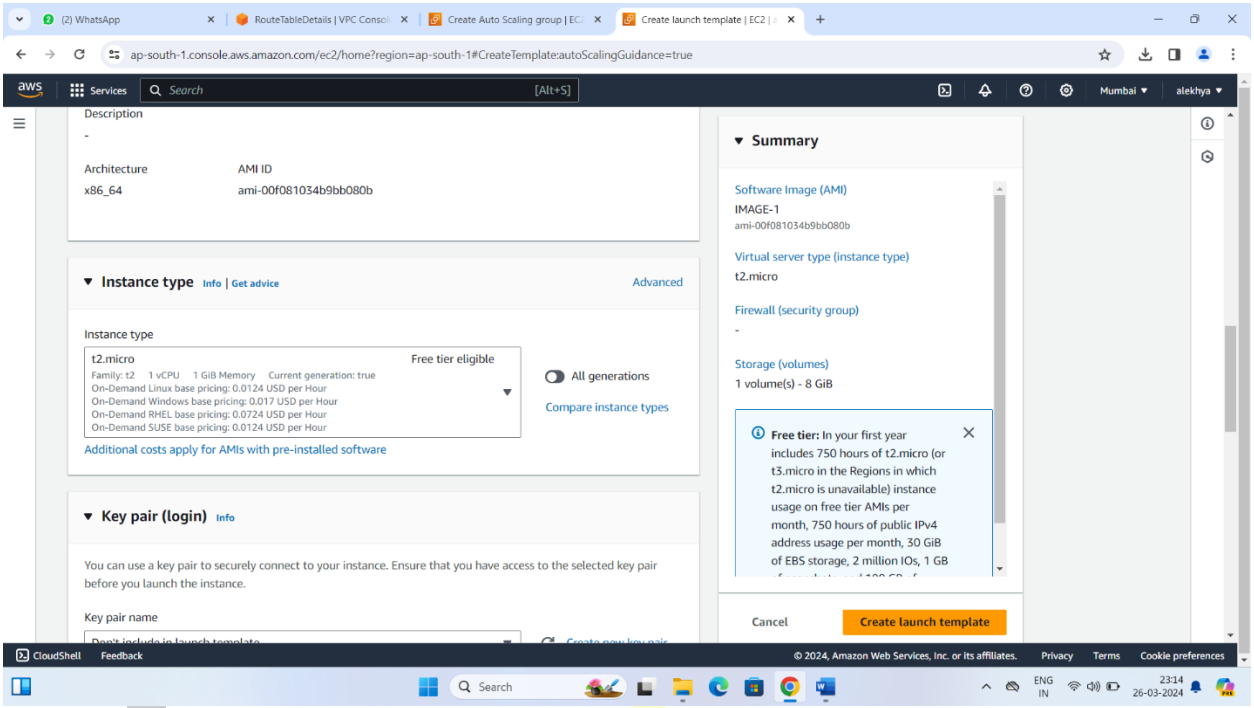
23:12
26-03-2024


(2) WhatsApp
RouteTableDetails | VPC Consol
Create Auto Scaling group | EC
Create launch template | EC2 |
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateTemplate:autoScalingGuidance=true
aws
Services
Search
[Alt+S]
Mumbai
alekhya
Description
-
Architecture
x86_64
AMI ID
ami-00f081034b9bb080b
Instance type Info | Get advice
Advanced
Instance type
t2.micro
Free tier eligible
Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Linux base pricing: 0.0124 USD per Hour
On-Demand Windows base pricing: 0.017 USD per Hour
On-Demand RHEL base pricing: 0.0724 USD per Hour
On-Demand SUSE base pricing: 0.0124 USD per Hour
All generations
Compare instance types
Additional costs apply for AMIs with pre-installed software
Key pair (login) Info
You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.
Key pair name
Summary
Software Image (AMI)
IMAGE-1
ami-00f081034b9bb080b
Virtual server type (instance type)
t2.micro
Firewall (security group)
-
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB
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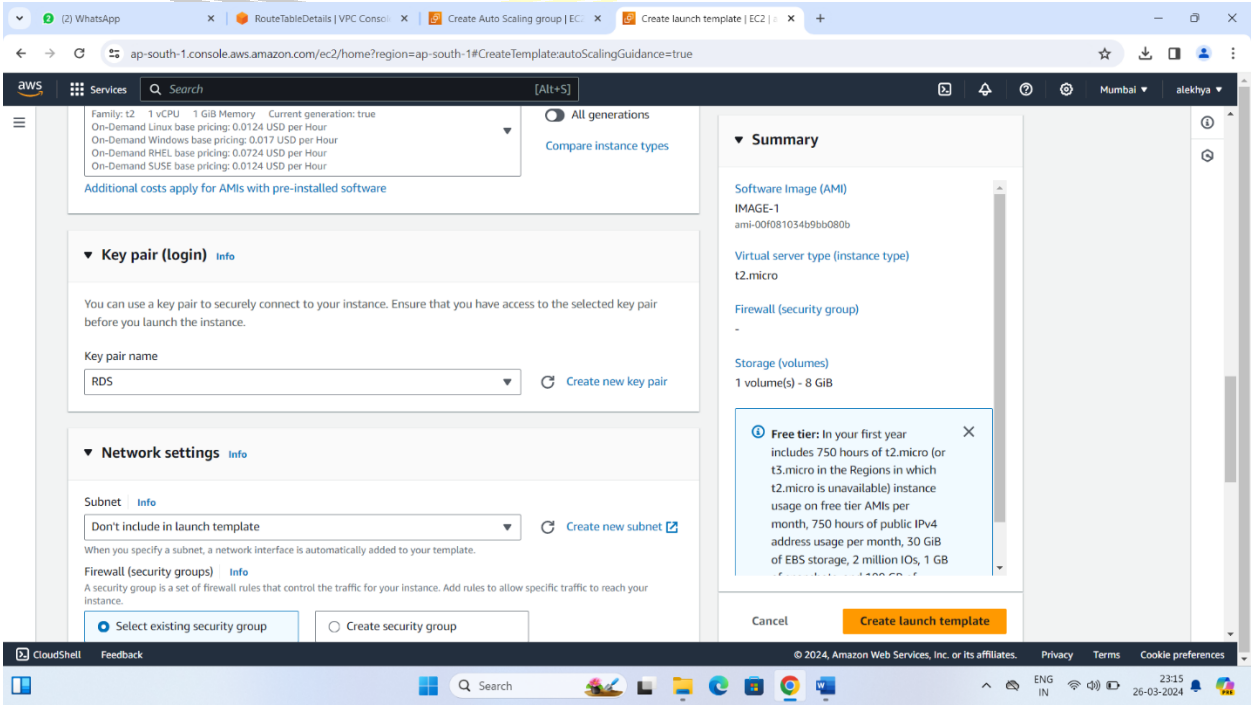
+


(2) WhatsApp
RouteTableDetails | VPC Consol
Create Auto Scaling group | EC
Create launch template | EC2 |
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateTemplate:autoScalingGuidance=true
aws
Services
Search
[Alt+S]
Mumbai
alekhya
Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Linux base pricing: 0.0124 USD per Hour
On-Demand Windows base pricing: 0.017 USD per Hour
On-Demand RHEL base pricing: 0.0724 USD per Hour
On-Demand SUSE base pricing: 0.0124 USD per Hour
All generations
Compare instance types
Additional costs apply for AMIs with pre-installed software
Key pair (login) Info
You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.
Key pair name
RDS
Create new key pair
Network settings Info
Subnet Info
Don't include in launch template
Create new subnet
When you specify a subnet, a network interface is automatically added to your template.
Firewall (security groups) Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
Select existing security group
Create security group
Summary
Software Image (AMI)
IMAGE-1
ami-00f081034b9bb080b
Virtual server type (instance type)
t2.micro
Firewall (security group)
-
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB
Cancel
Create launch template
CloudShell
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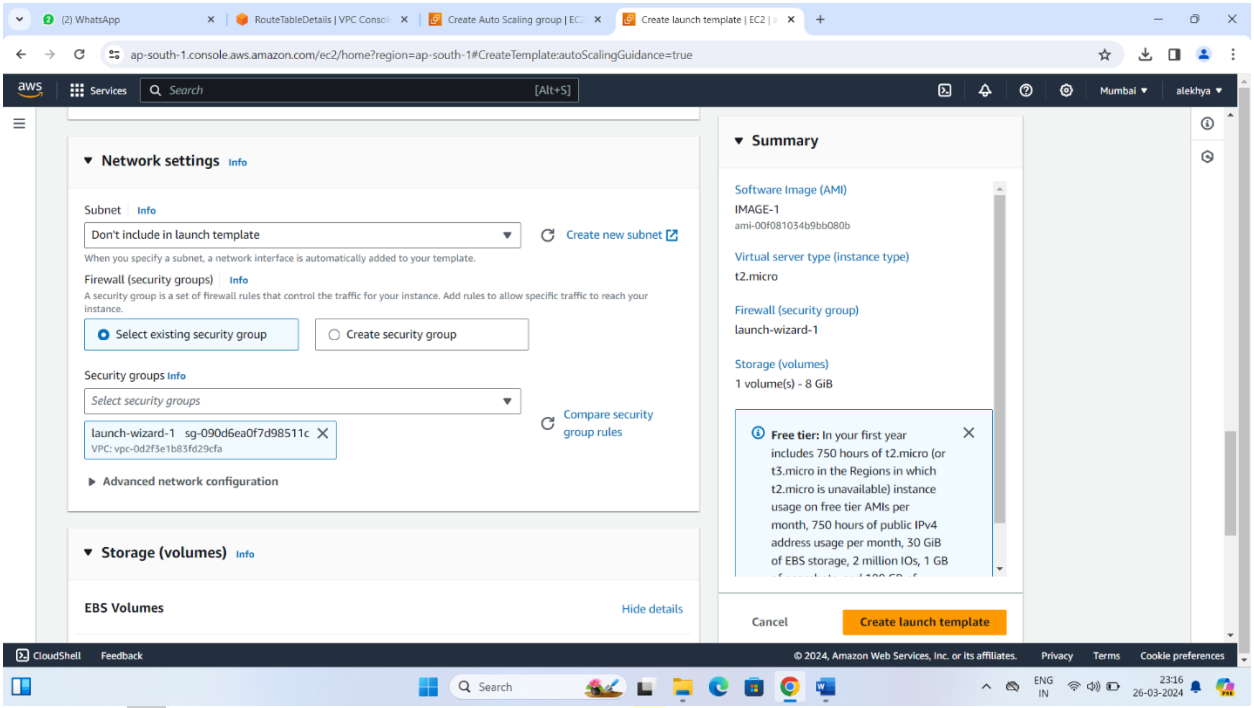
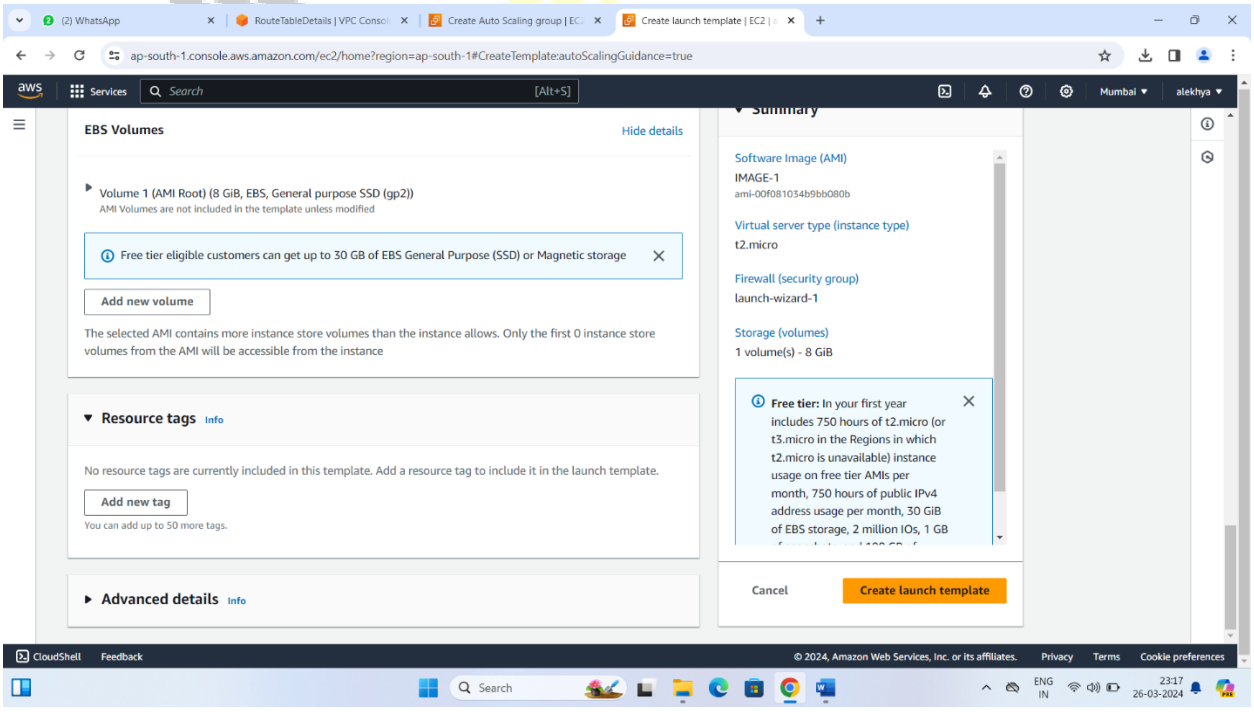
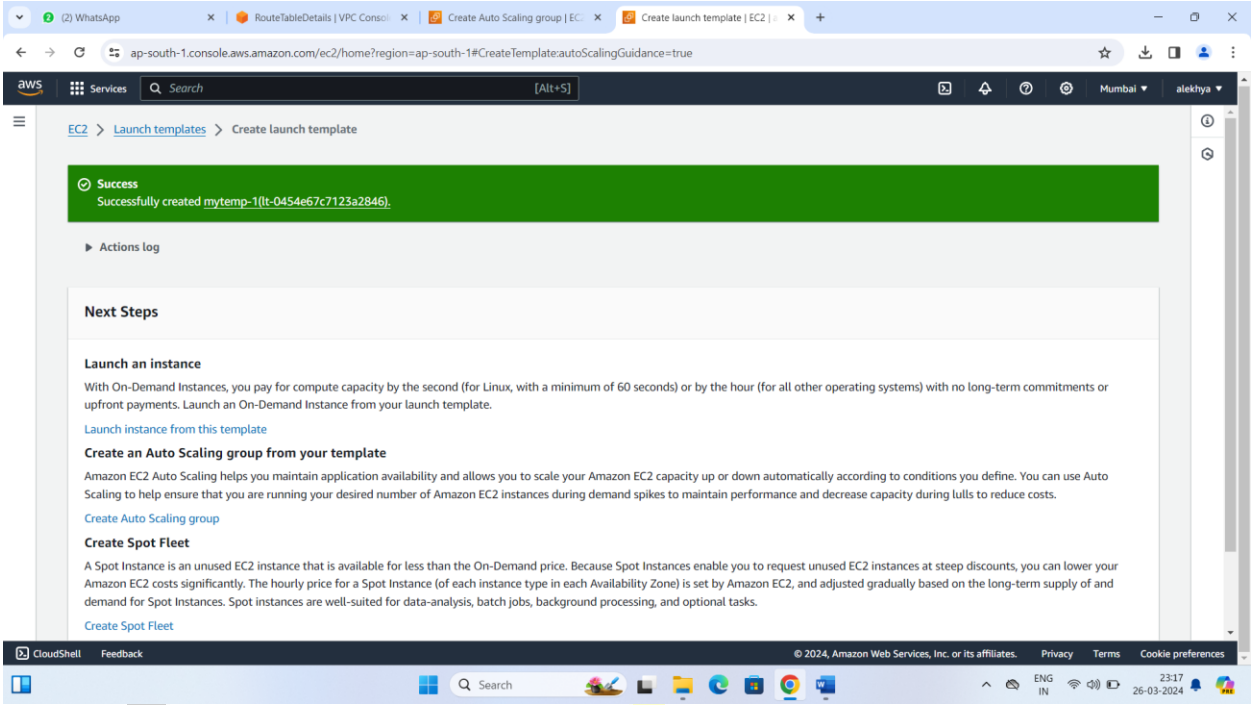
26-03-2024


ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateTemplate:autoScalingGuidance=true
Network settings Info
Subnet Info
Don't include in launch template
Create new subnet
When you specify a subnet, a network interface is automatically added to your template.
Firewall (security groups) Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
Select existing security group
Create security group
Security groups Info
Select security groups
launch-wizard-1 sg-090d6ea0f7d98511c
VPC: vpc-0d2f3e1b83fd29cfa
Compare security group rules
Advanced network configuration
Storage (volumes) Info
EBS Volumes
Hide details
Summary
Software Image (AMI)
IMAGE-1
ami-00f081034b9bb080b
Virtual server type (instance type)
t2.micro
Firewall (security group)
launch-wizard-1
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB
Cancel
Create launch template


ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateTemplate:autoScalingGuidance=true
EBS Volumes
Hide details
Volume 1 (AMI Root) (8 GiB, EBS, General purpose SSD (gp2))
AMI Volumes are not included in the template unless modified
Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage
Add new volume
The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance
Resource tags Info
No resource tags are currently included in this template. Add a resource tag to include it in the launch template.
Add new tag
You can add up to 50 more tags.
Advanced details Info
Summary
Software Image (AMI)
IMAGE-1
ami-00f081034b9bb080b
Virtual server type (instance type)
t2.micro
Firewall (security group)
launch-wizard-1
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB
Cancel
Create launch template



- Go auto scaling group and enter name
- Select our launch template then click on next
- Select our VPC and select public available zones then click on next
- Set time 60 sec then click on next

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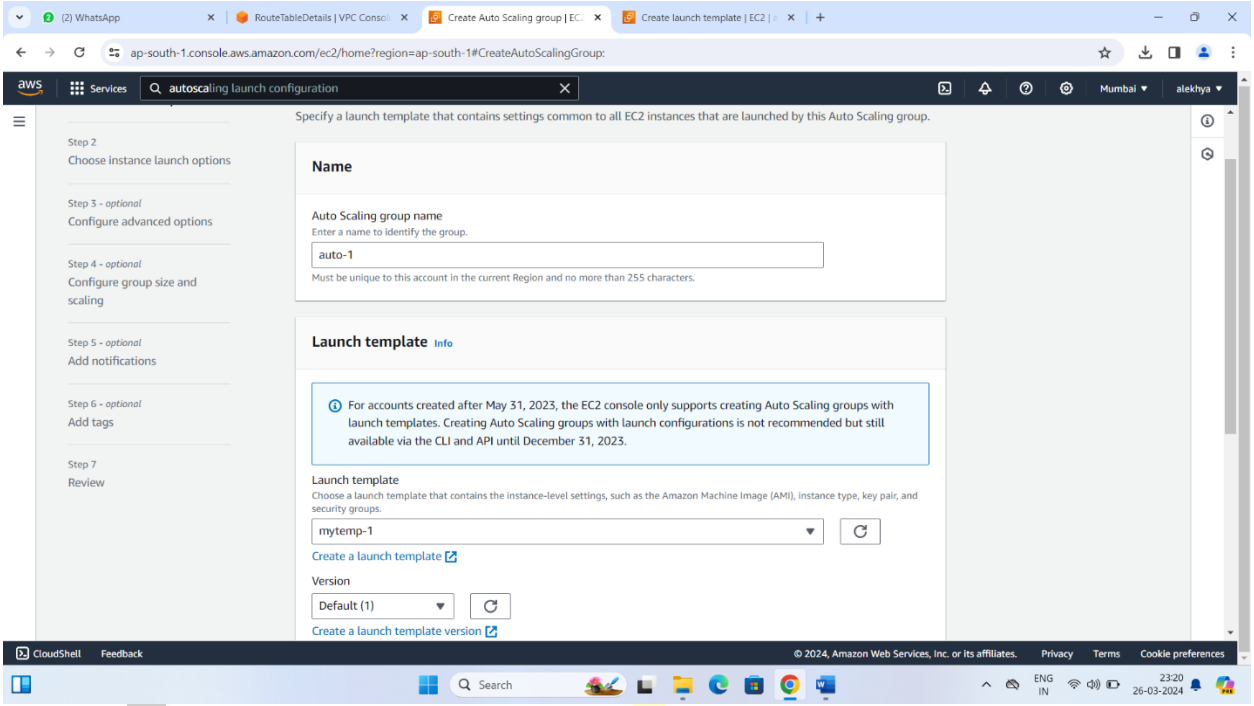
Software Solutions Pvt. Ltd.


(2) WhatsApp
RouteTableDetails | VPC Consol
Create Auto Scaling group | EC
Create launch template | EC2 |
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
aws
Services
autoscaling launch configuration
Mumbai
alekhya
Specify a launch template that contains settings common to all EC2 instances that are launched by this Auto Scaling group.
Step 2
Choose instance launch options
Step 3 - optional
Configure advanced options
Step 4 - optional
Configure group size and scaling
Step 5 - optional
Add notifications
Step 6 - optional
Add tags
Step 7
Review
Name
Auto Scaling group name
Enter a name to identify the group.
auto-1
Must be unique to this account in the current Region and no more than 255 characters.
Launch template Info
For accounts created after May 31, 2023, the EC2 console only supports creating Auto Scaling groups with launch templates. Creating Auto Scaling groups with launch configurations is not recommended but still available via the CLI and API until December 31, 2023.
Launch template
Choose a launch template that contains the instance-level settings, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups.
mytemp-1
Create a launch template
Version
Default (1)
Create a launch template version
CloudShell
Feedback
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Privacy
Terms
Cookie preferences
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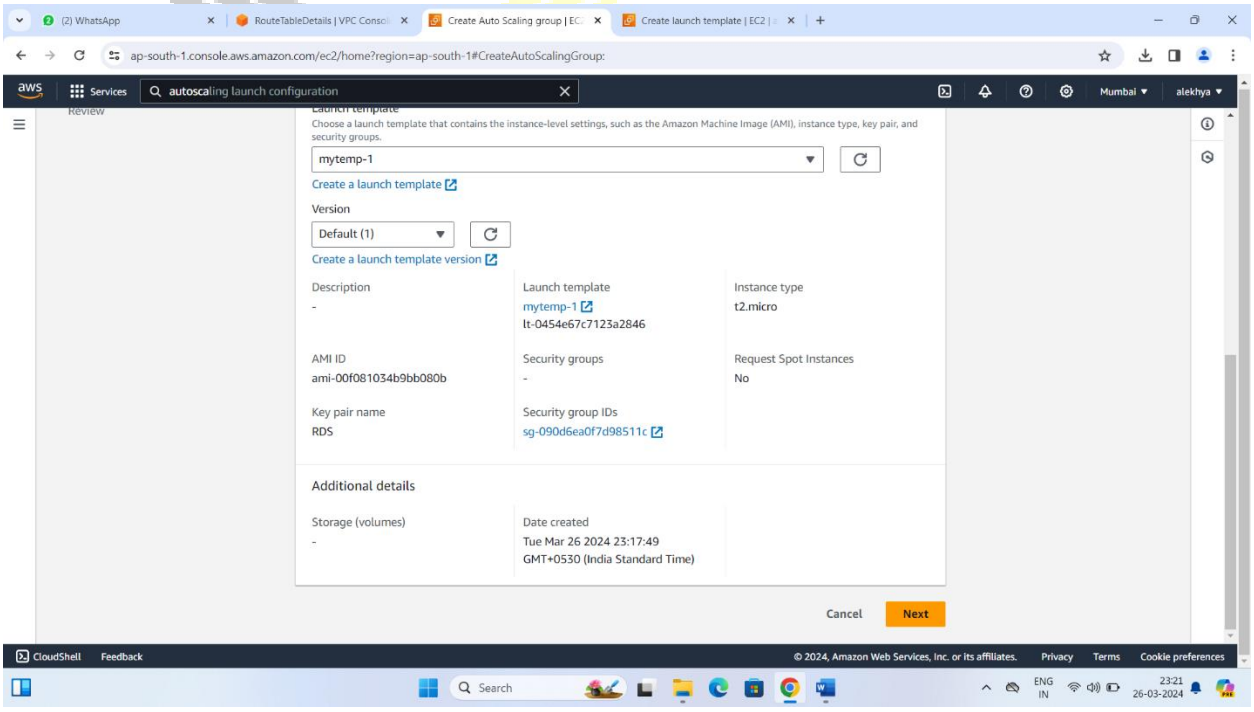
23:20
26-03-2024


(2) WhatsApp
RouteTableDetails | VPC Consol
Create Auto Scaling group | EC
Create launch template | EC2 |
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
aws
Services
autoscaling launch configuration
Mumbai
alekhya
Review
Choose a launch template that contains the instance-level settings, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups.
mytemp-1
Create a launch template
Version
Default (1)
Create a launch template version
Description
-
Launch template
mytemp-1
lt-0454e67c7123a2846
Instance type
t2.micro
AMI ID
ami-00f081034b9bb080b
Security groups
-
Request Spot Instances
No
Key pair name
RDS
Security group IDs
sg-090d6ea0f7d98511c
Additional details
Storage (volumes)
-
Date created
Tue Mar 26 2024 23:17:49
GMT+0530 (India Standard Time)
Cancel
Next
CloudShell
Feedback
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Search
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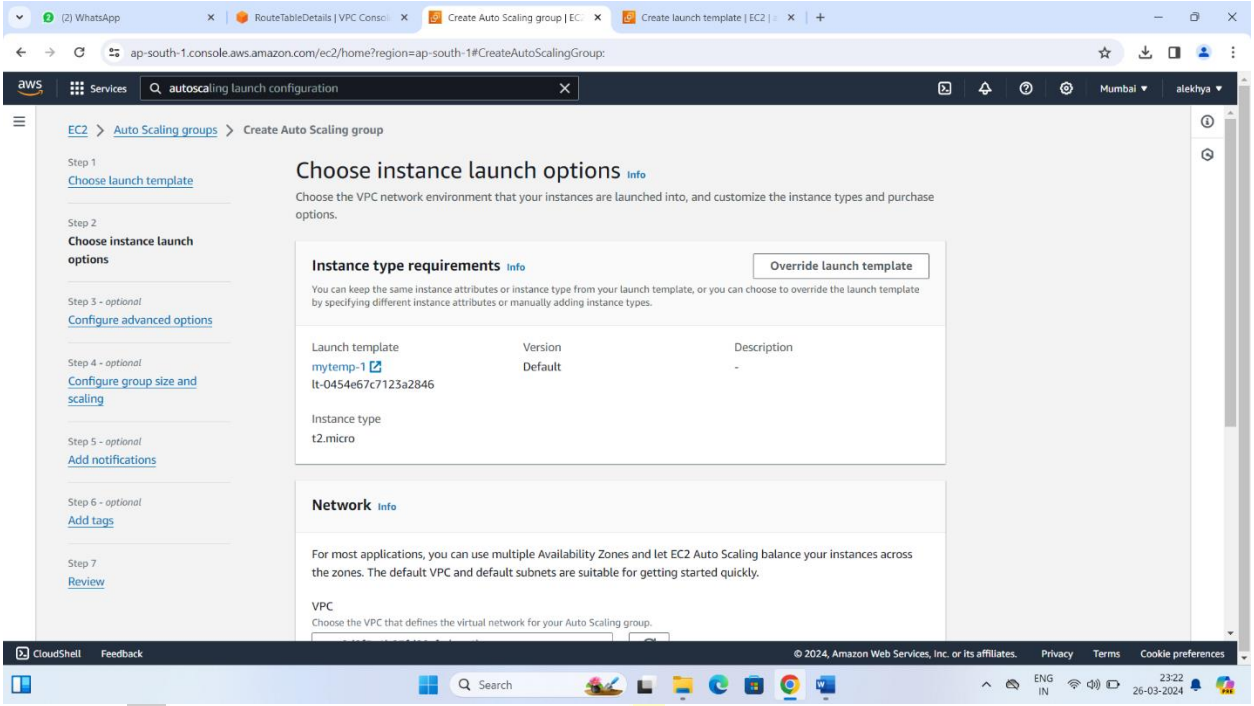
23:21
26-03-2024


ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
autoscaling launch configuration
Mumbai
alekhya
EC2 > Auto Scaling groups > Create Auto Scaling group
Step 1
Choose launch template
Step 2
Choose instance launch options
Step 3 - optional
Configure advanced options
Step 4 - optional
Configure group size and scaling
Step 5 - optional
Add notifications
Step 6 - optional
Add tags
Step 7
Review
Choose instance launch options Info
Choose the VPC network environment that your instances are launched into, and customize the instance types and purchase options.
Instance type requirements Info
Override launch template
You can keep the same instance attributes or instance type from your launch template, or you can choose to override the launch template by specifying different instance attributes or manually adding instance types.
Launch template
mytemp-1
lt-0454e67c7123a2846
Version
Default
Description
-
Instance type
t2.micro
Network Info
For most applications, you can use multiple Availability Zones and let EC2 Auto Scaling balance your instances across the zones. The default VPC and default subnets are suitable for getting started quickly.
VPC
Choose the VPC that defines the virtual network for your Auto Scaling group.
CloudShell
Feedback
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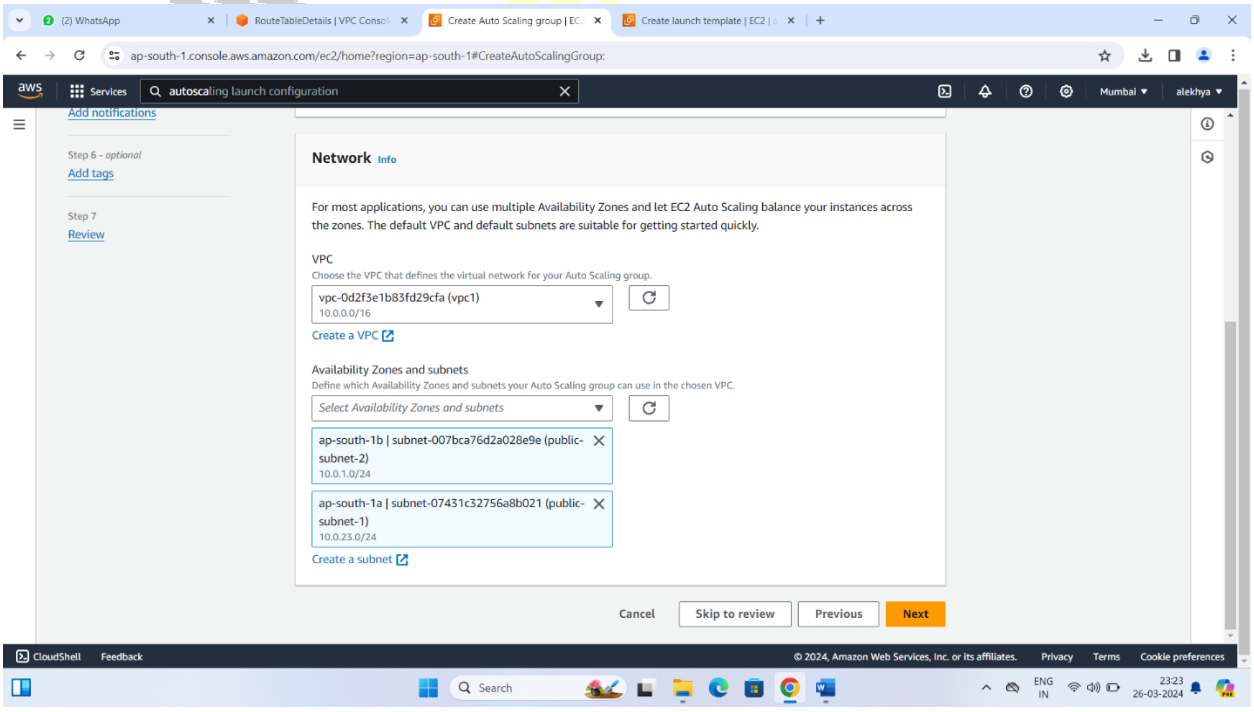
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
autoscaling launch configuration
Mumbai
alekhya
Add notifications
Step 6 - optional
Add tags
Step 7
Review
Network Info
For most applications, you can use multiple Availability Zones and let EC2 Auto Scaling balance your instances across the zones. The default VPC and default subnets are suitable for getting started quickly.
VPC
Choose the VPC that defines the virtual network for your Auto Scaling group.
vpc-0d2f3e1b83fd29cfa (vpc1)
10.0.0.0/16
Create a VPC
Availability Zones and subnets
Define which Availability Zones and subnets your Auto Scaling group can use in the chosen VPC.
Select Availability Zones and subnets
ap-south-1b | subnet-007bca76d2a028e9e (public-subnet-2)
10.0.1.0/24
ap-south-1a | subnet-07431c32756a8b021 (public-subnet-1)
10.0.23.0/24
Create a subnet
Cancel
Skip to review
Previous
Next
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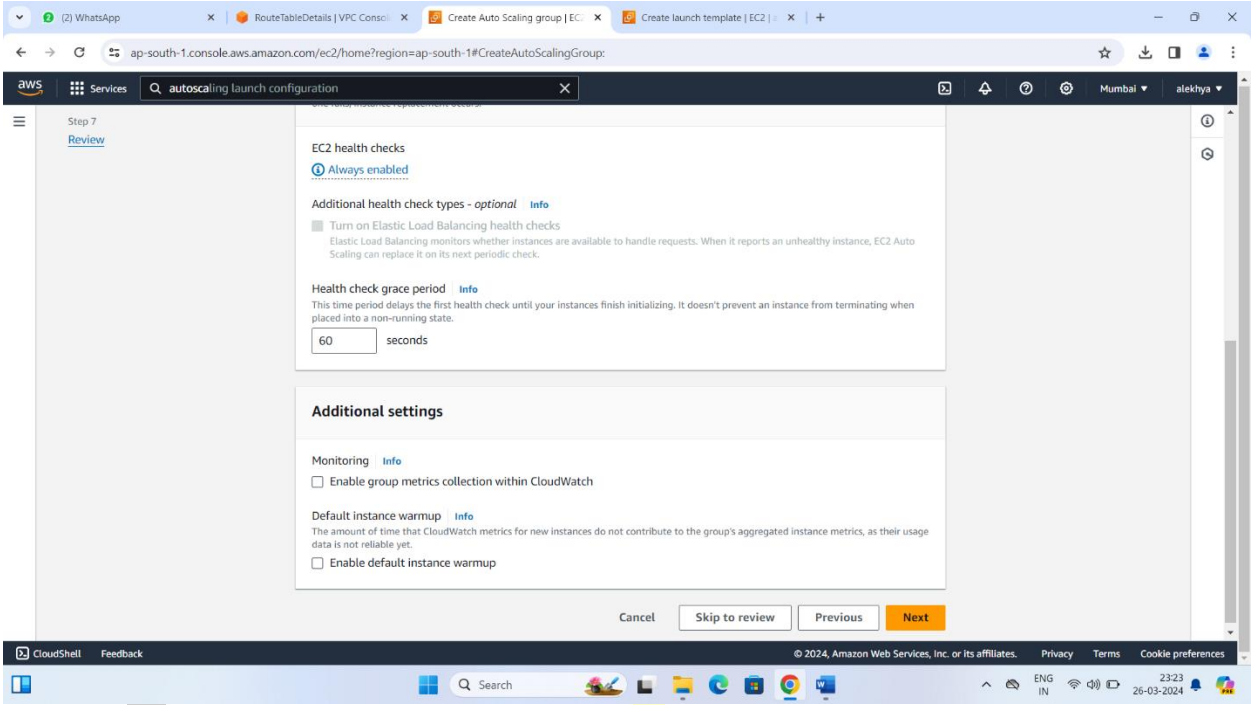

- Enter Desired Capacity then enter min and max desired capacity then click on next

VCUBE
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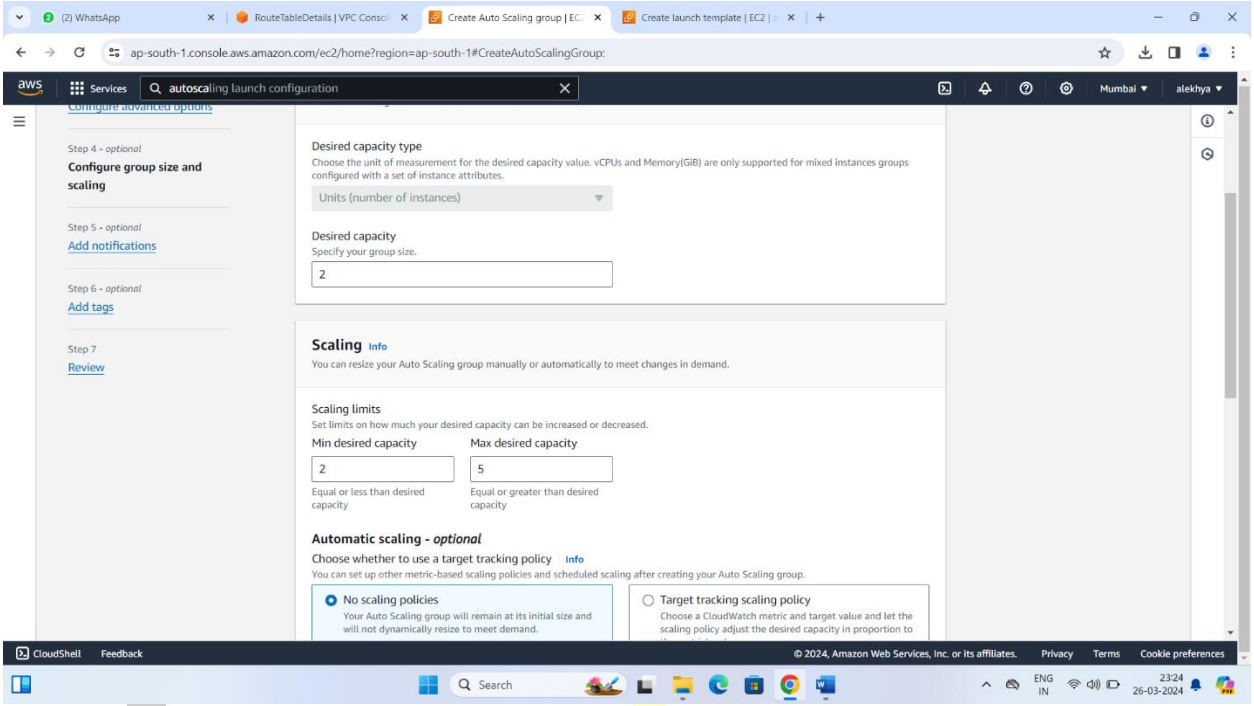
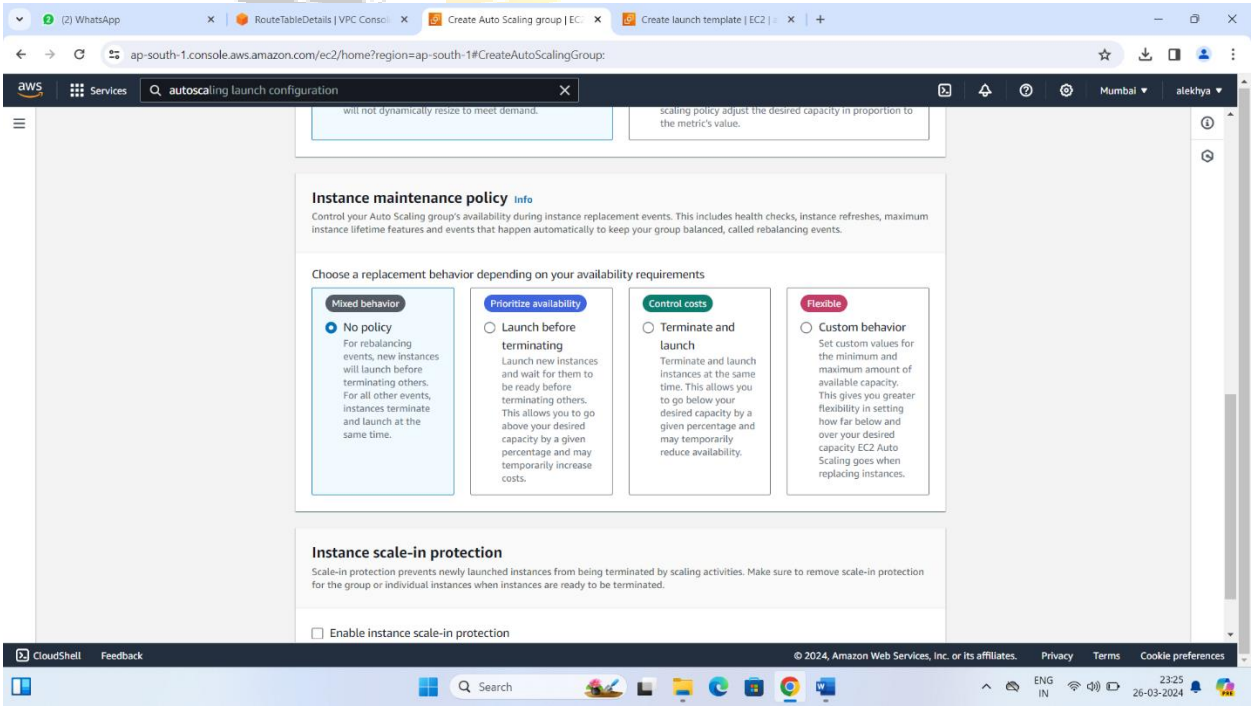
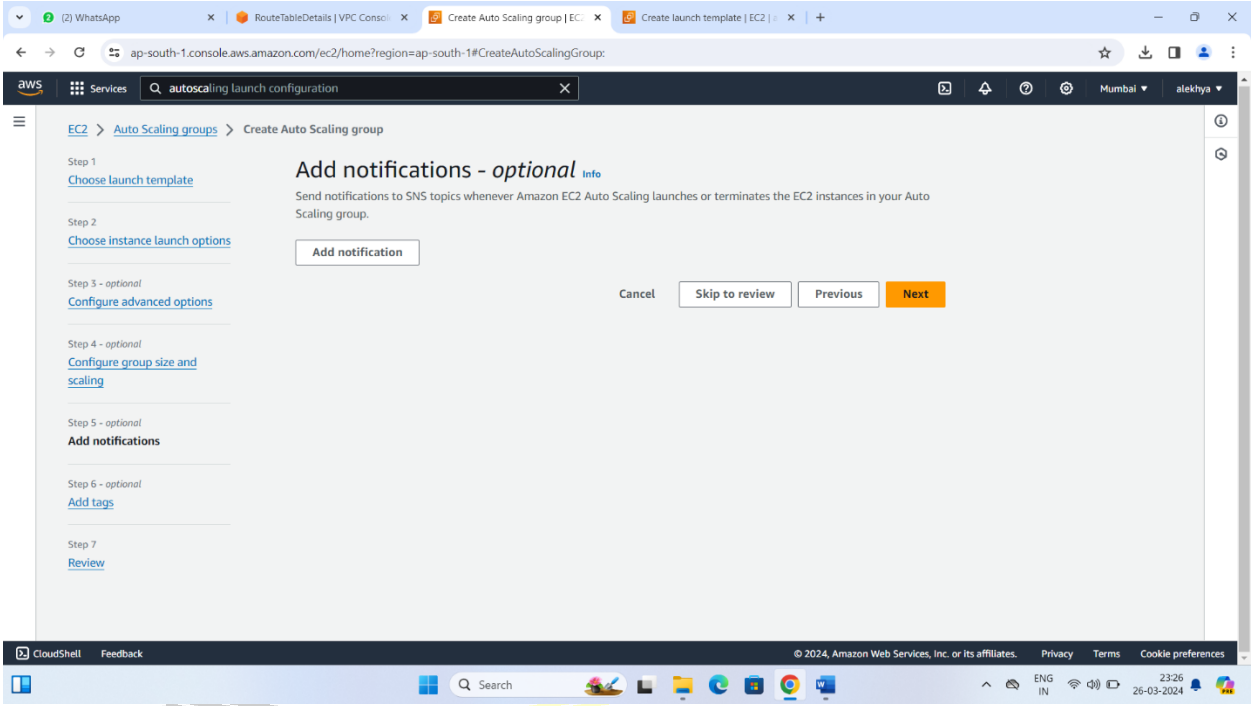
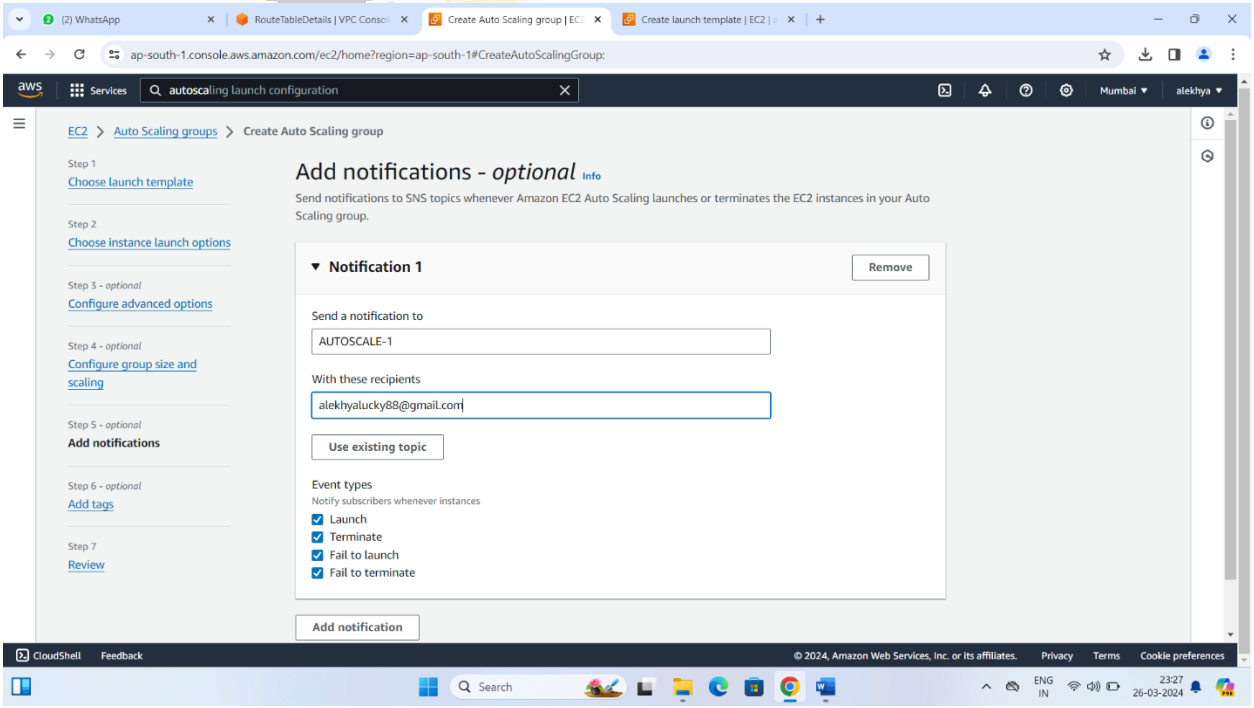


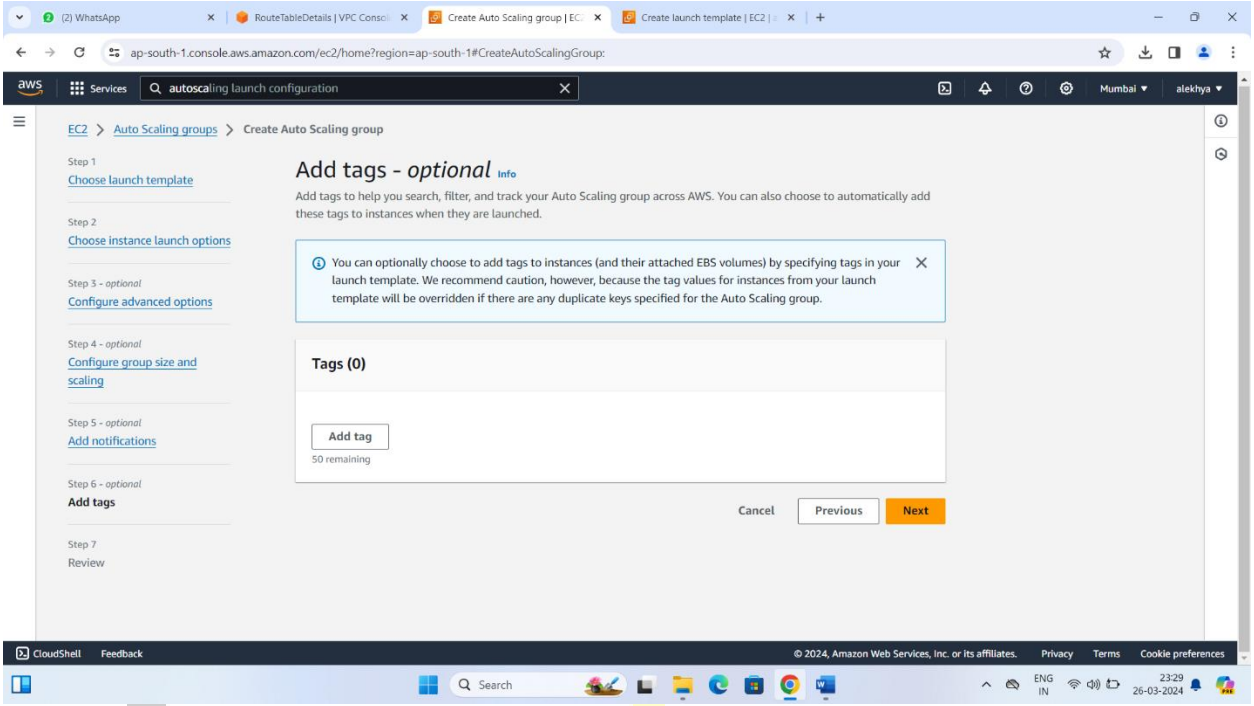


- Click on Add notification and create topic
- Enter topic name and enter email id then next

- Click on create auto scaling group.






(2) WhatsApp
RouteTableDetails | VPC Consol
Create Auto Scaling group | EC
Create launch template | EC2 |
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
aws
Services
autoscaling launch configuration
Mumbai
alekhya
EC2 > Auto Scaling groups > Create Auto Scaling group
Step 1
Choose launch template
Step 2
Choose instance launch options
Step 3 - optional
Configure advanced options
Step 4 - optional
Configure group size and scaling
Step 5 - optional
Add notifications
Step 6 - optional
Add tags
Step 7
Review
Add tags - optional Info
Add tags to help you search, filter, and track your Auto Scaling group across AWS. You can also choose to automatically add these tags to instances when they are launched.
You can optionally choose to add tags to instances (and their attached EBS volumes) by specifying tags in your launch template. We recommend caution, however, because the tag values for instances from your launch template will be overridden if there are any duplicate keys specified for the Auto Scaling group.
Tags (0)
Add tag
50 remaining
Cancel
Previous
Next
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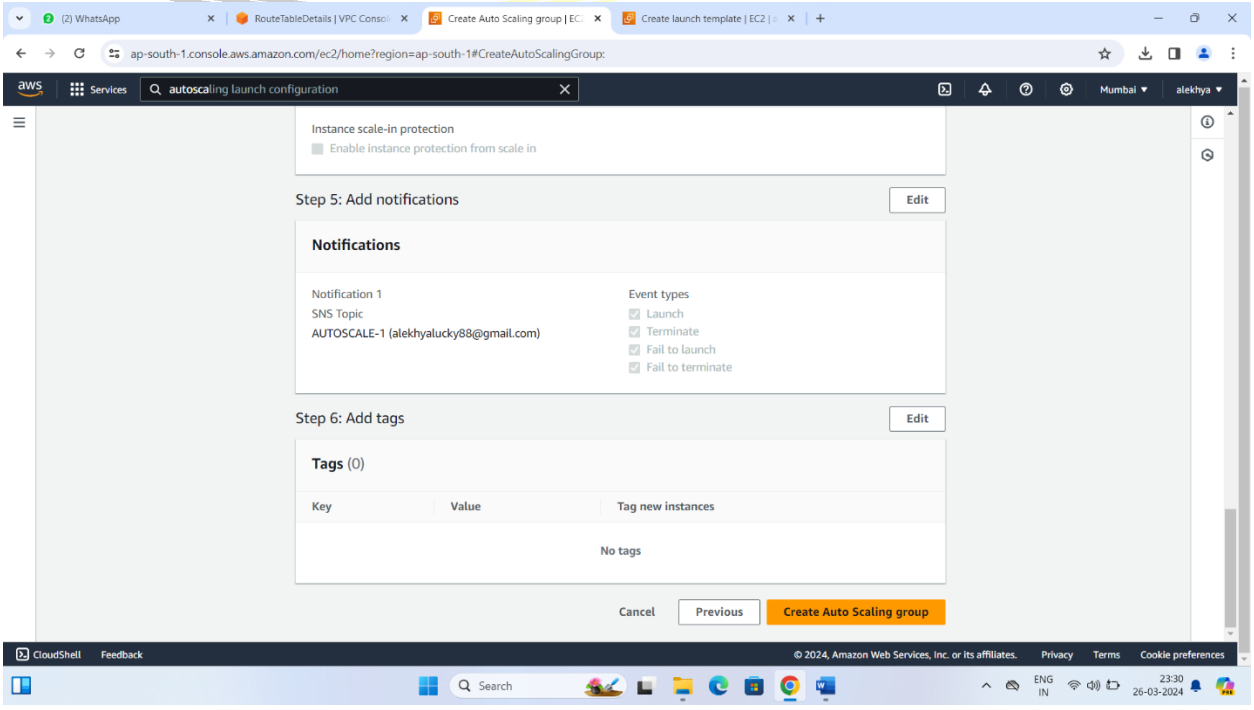
ENG
IN
23:29
26-03-2024


(2) WhatsApp
RouteTableDetails | VPC Consol
Create Auto Scaling group | EC
Create launch template | EC2 |
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
aws
Services
autoscaling launch configuration
Mumbai
alekhya
Instance scale-in protection
Enable instance protection from scale in
Step 5: Add notifications
Edit
Notifications
Notification 1
SNS Topic
AUTOSCALE-1 (alekhyalucky88@gmail.com)
Event types
Launch
Terminate
Fail to launch
Fail to terminate
Step 6: Add tags
Edit
Tags (0)
Key
Value
Tag new instances
No tags
Cancel
Previous
Create Auto Scaling group
CloudShell
Feedback
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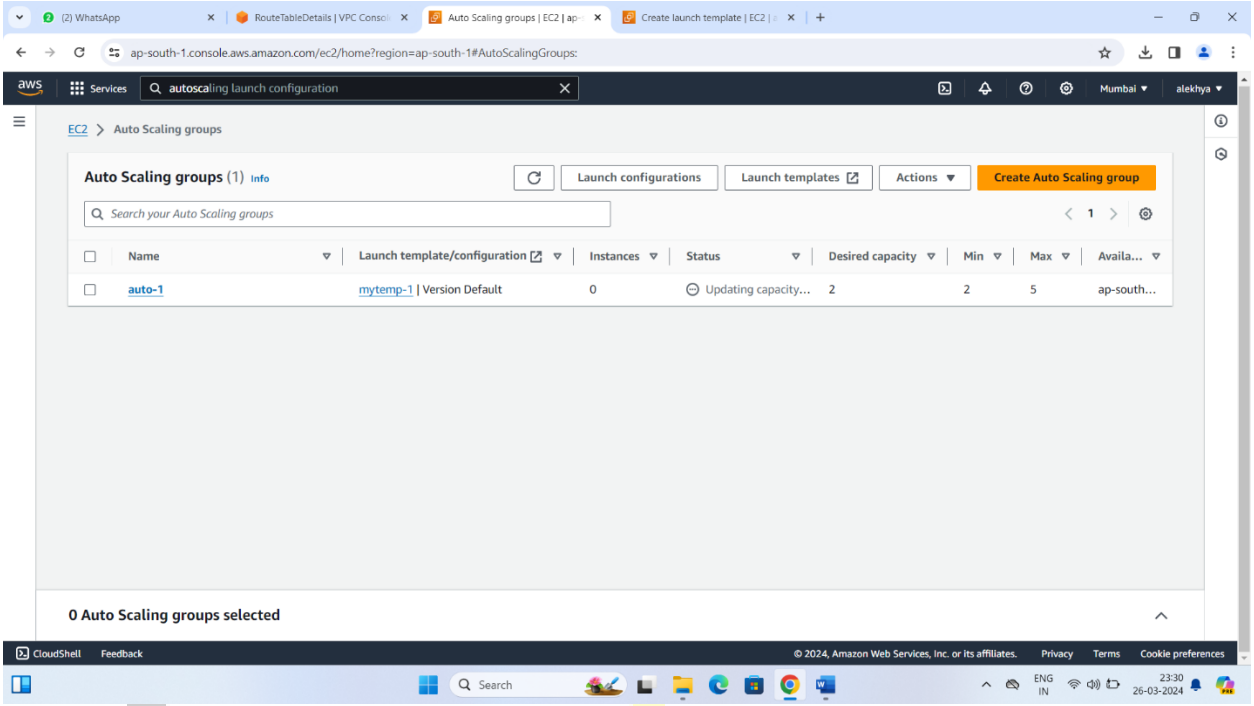
23:30
26-03-2024


(2) WhatsApp
RouteTableDetails | VPC Consol
Auto Scaling groups | EC2 | ap-
Create launch template | EC2 |
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#AutoScalingGroups:
aws
Services
autoscaling launch configuration
Mumbai
alekhya
EC2 > Auto Scaling groups
Auto Scaling groups (1) Info
Launch configurations
Launch templates
Actions
Create Auto Scaling group
Search your Auto Scaling groups
1
Name
Launch template/configuration
Instances
Status
Desired capacity
Min
Max
Availa...
auto-1
mytemp-1 | Version Default
0
Updating capacity...
2
2
5
ap-south...
0 Auto Scaling groups selected
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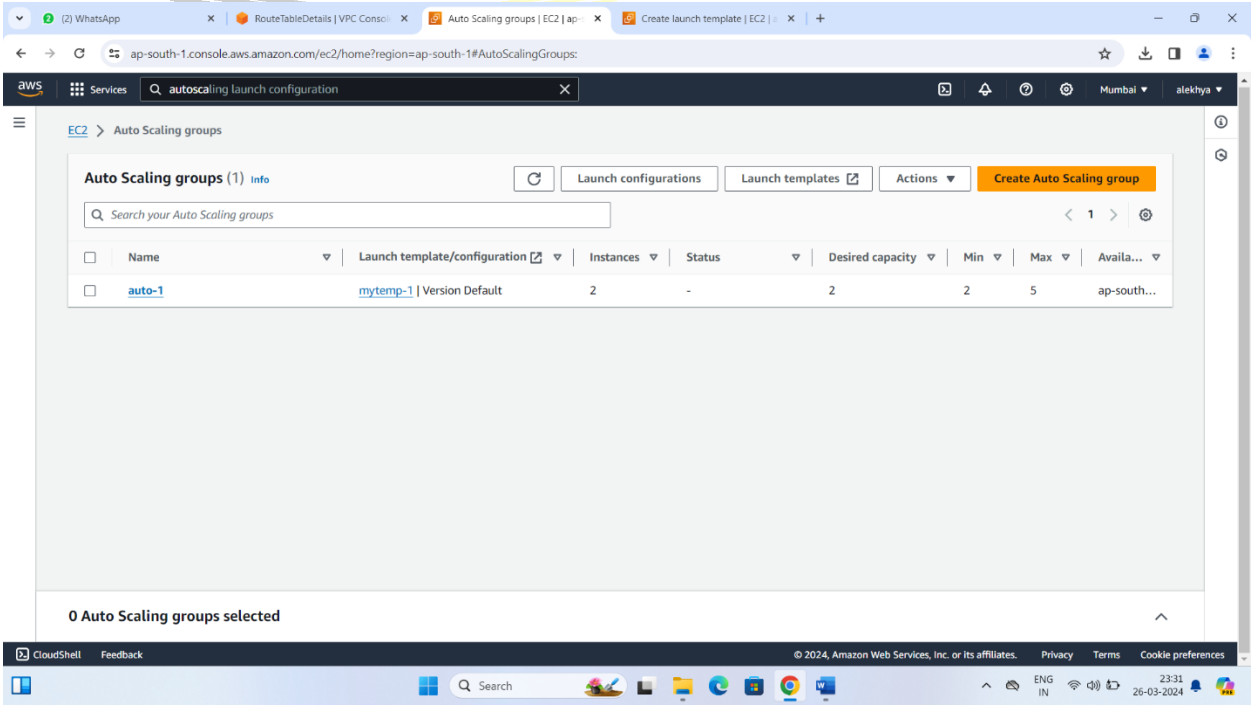
(2) WhatsApp
RouteTableDetails | VPC Consol
Auto Scaling groups | EC2 | ap-
Create launch template | EC2 |
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#AutoScalingGroups:
aws
Services
autoscaling launch configuration
Mumbai
alekhya
EC2 > Auto Scaling groups
Auto Scaling groups (1) Info
Launch configurations
Launch templates
Actions
Create Auto Scaling group
Search your Auto Scaling groups
1
Name
Launch template/configuration
Instances
Status
Desired capacity
Min
Max
Availa...
auto-1
mytemp-1 | Version Default
2
-
2
2
5
ap-south...
0 Auto Scaling groups selected
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IN
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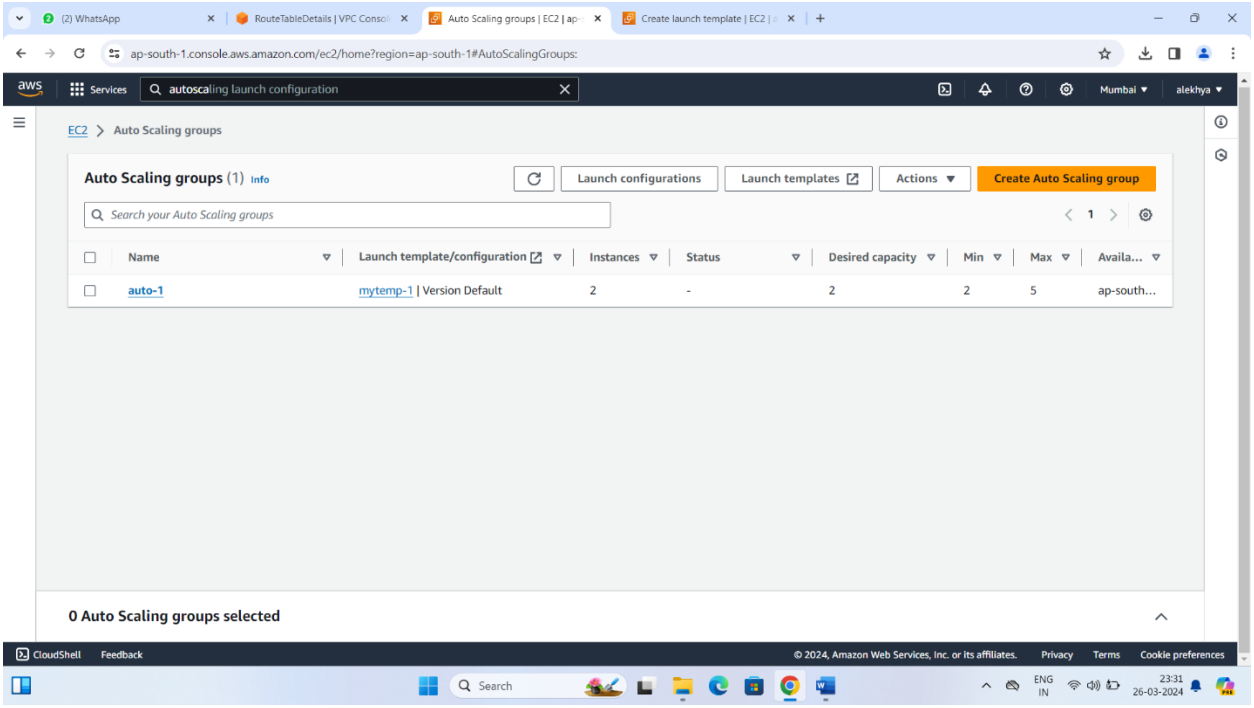
- Click on create auto scaling group
- Go auto scaling group and enter name
- Select our launch template then click on next
- Select our VPC and select public available zones then click on next
- Set time 60 sec then click on next



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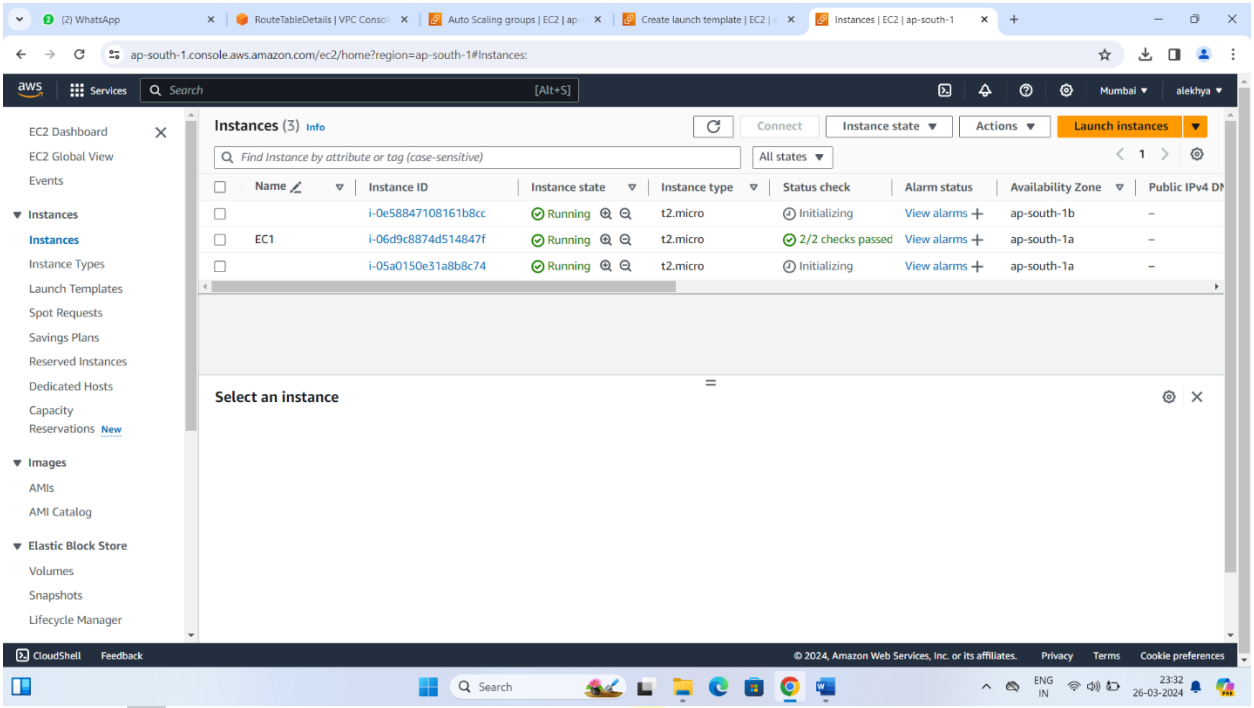
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:
Instances (3) Info
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
All states
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 DN
i-0e58847108161b8cc
Running
t2.micro
Initializing
View alarms
ap-south-1b
EC1
i-06d9c8874d514847f
Running
t2.micro
2/2 checks passed
View alarms
ap-south-1a
i-05a0150e31a8b8c74
Running
t2.micro
Initializing
View alarms
ap-south-1a
Select an instance
EC2 Dashboard
EC2 Global View
Events
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations New
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Lifecycle Manager
CloudShell
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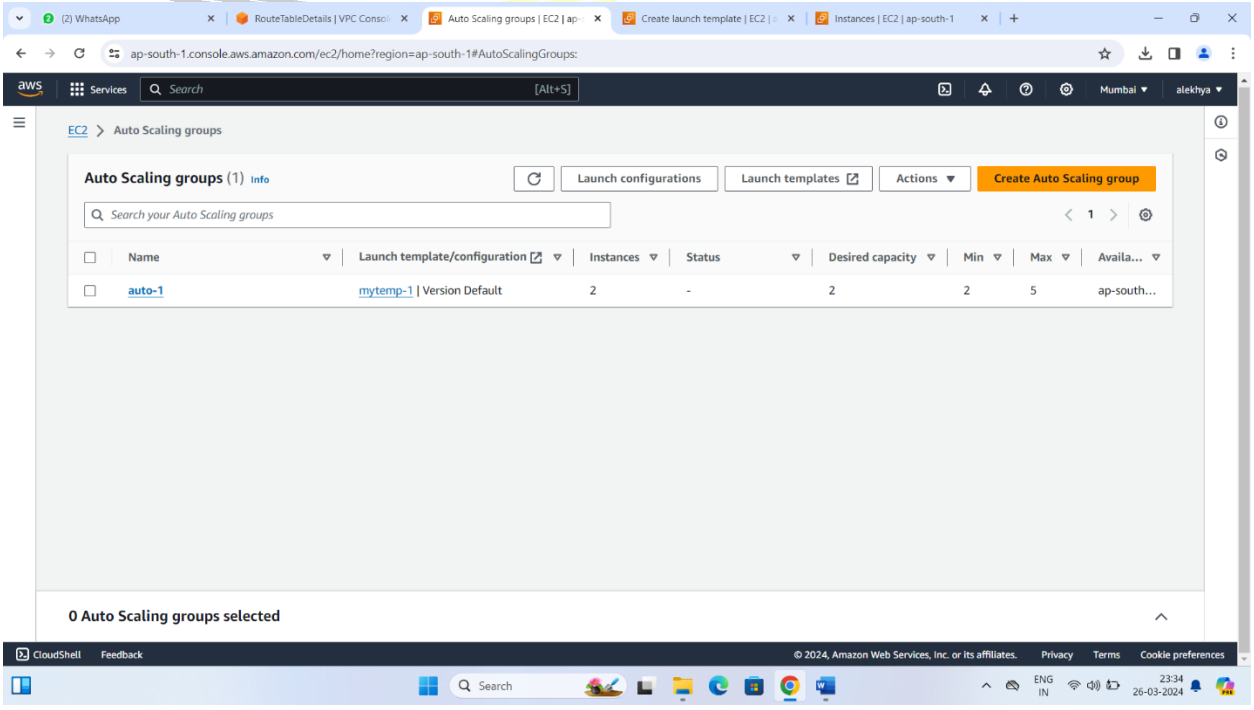
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#AutoScalingGroups:
EC2 > Auto Scaling groups
Auto Scaling groups (1) Info
Launch configurations
Launch templates
Actions
Create Auto Scaling group
Search your Auto Scaling groups
Name
Launch template/configuration
Instances
Status
Desired capacity
Min
Max
Availa...
auto-1
mytemp-1 | Version Default
2
-
2
2
5
ap-south...
0 Auto Scaling groups selected
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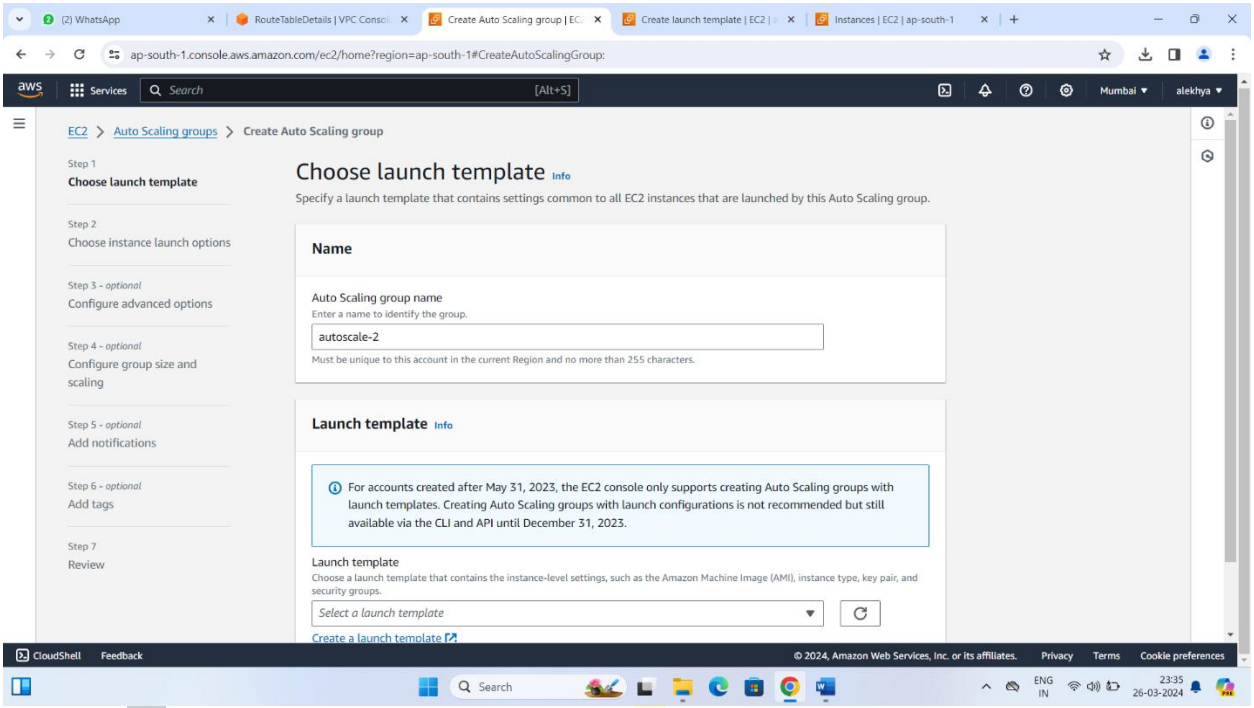
(2) WhatsApp
RouteTableDetails | VPC Consol
Create Auto Scaling group | EC
Create launch template | EC2 |
Instances | EC2 | ap-south-1
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
aws
Services
Search
[Alt+S]
Mumbai
alekhya
EC2 > Auto Scaling groups > Create Auto Scaling group
Step 1
Choose launch template
Step 2
Choose instance launch options
Step 3 - optional
Configure advanced options
Step 4 - optional
Configure group size and scaling
Step 5 - optional
Add notifications
Step 6 - optional
Add tags
Step 7
Review
Choose launch template Info
Specify a launch template that contains settings common to all EC2 instances that are launched by this Auto Scaling group.
Name
Auto Scaling group name
Enter a name to identify the group.
autoscale-2
Must be unique to this account in the current Region and no more than 255 characters.
Launch template Info
For accounts created after May 31, 2023, the EC2 console only supports creating Auto Scaling groups with launch templates. Creating Auto Scaling groups with launch configurations is not recommended but still available via the CLI and API until December 31, 2023.
Launch template
Choose a launch template that contains the instance-level settings, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups.
Select a launch template
Create a launch template
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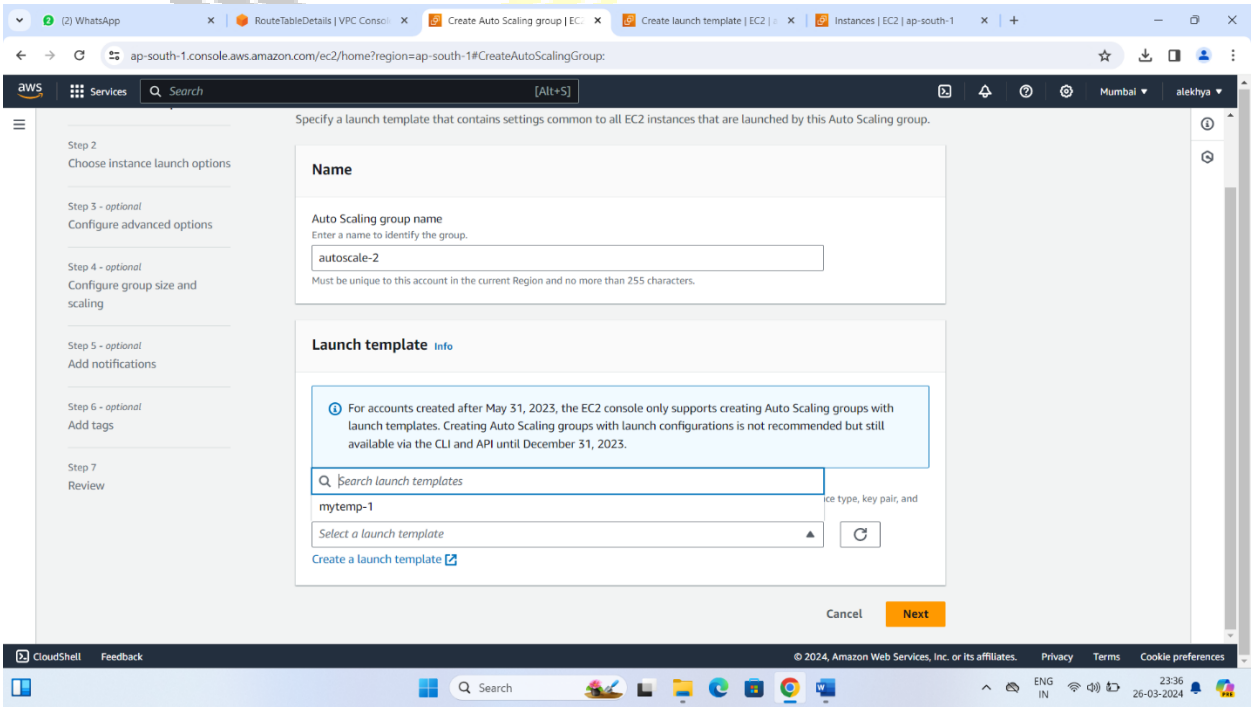
(2) WhatsApp
RouteTableDetails | VPC Consol
Create Auto Scaling group | EC
Create launch template | EC2 |
Instances | EC2 | ap-south-1
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
aws
Services
Search
[Alt+S]
Mumbai
alekhya
Specify a launch template that contains settings common to all EC2 instances that are launched by this Auto Scaling group.
Step 2
Choose instance launch options
Step 3 - optional
Configure advanced options
Step 4 - optional
Configure group size and scaling
Step 5 - optional
Add notifications
Step 6 - optional
Add tags
Step 7
Review
Name
Auto Scaling group name
Enter a name to identify the group.
autoscale-2
Must be unique to this account in the current Region and no more than 255 characters.
Launch template Info
For accounts created after May 31, 2023, the EC2 console only supports creating Auto Scaling groups with launch templates. Creating Auto Scaling groups with launch configurations is not recommended but still available via the CLI and API until December 31, 2023.
Search launch templates
mytemp-1
Select a launch template
Create a launch template
Cancel
Next
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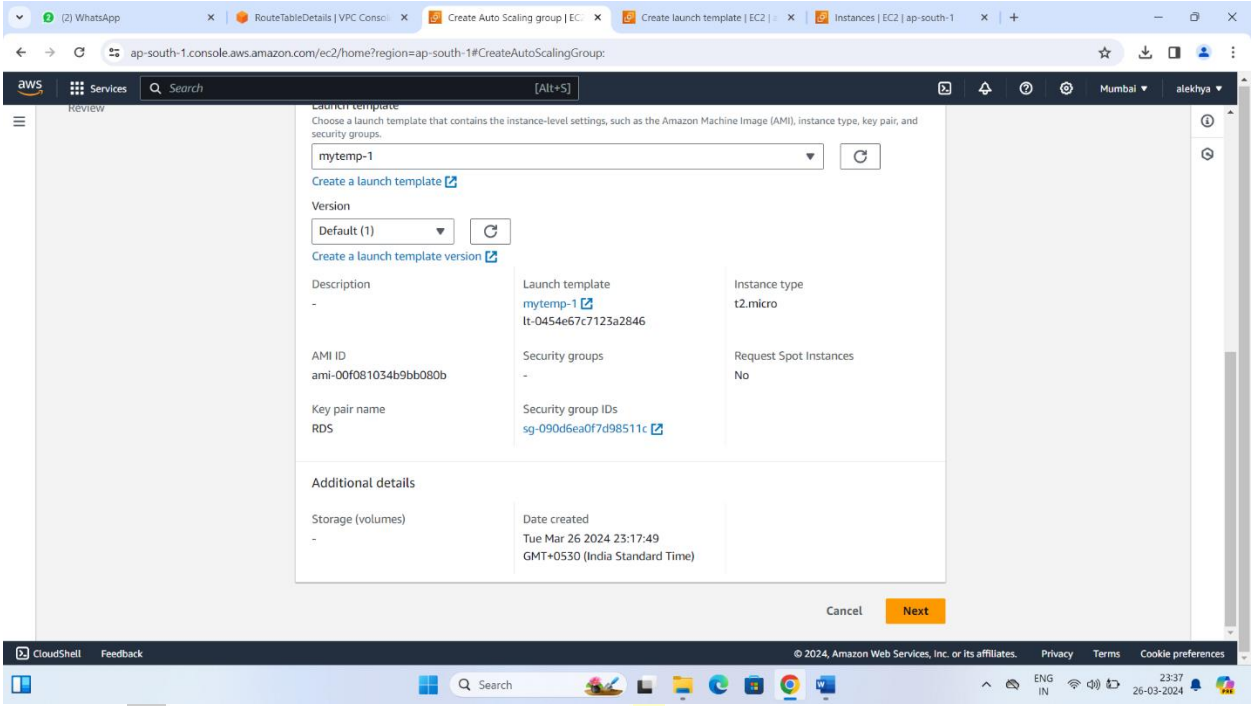
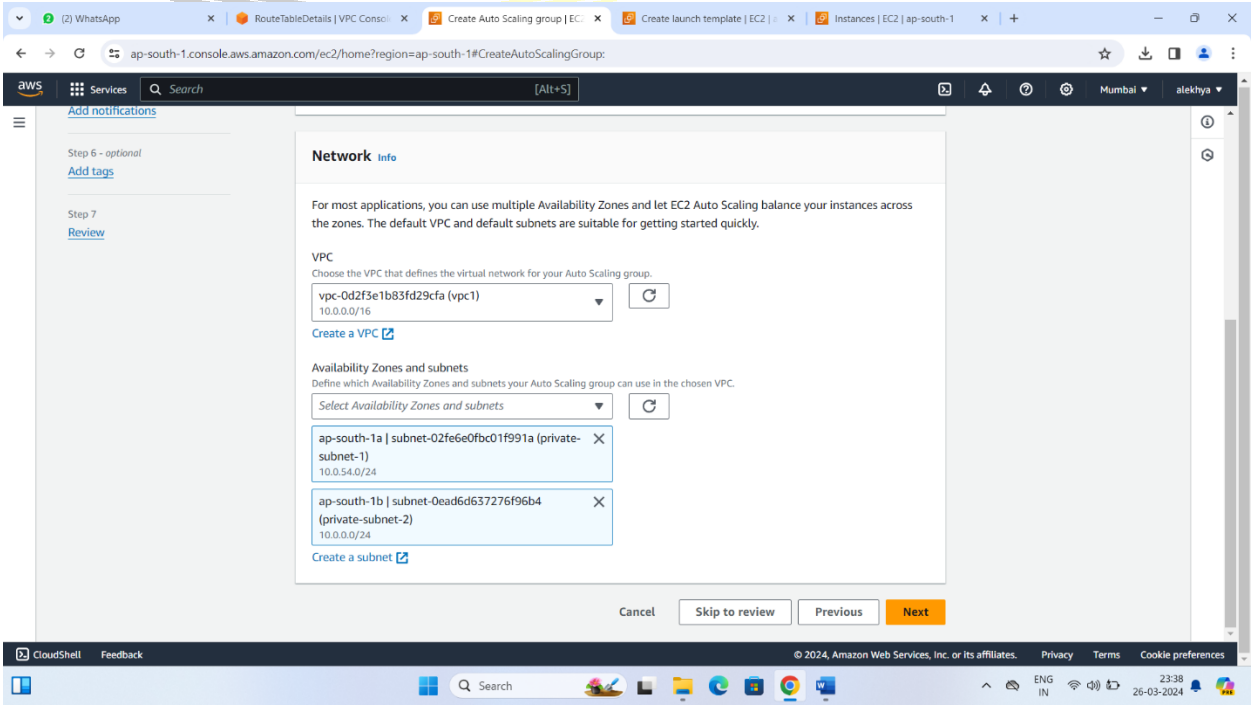
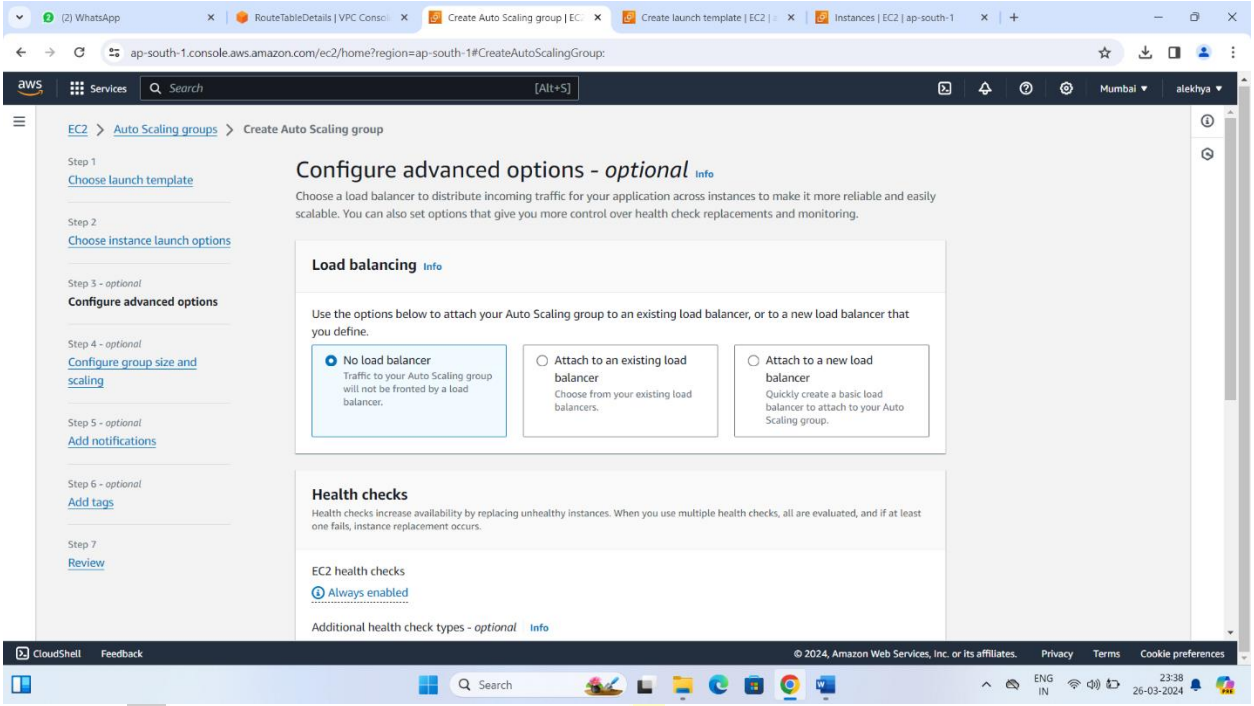

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
Review
Launch template
Choose a launch template that contains the instance-level settings, such as the Amazon Machine Image (AMI), instance type, key pair, and security groups.
mytemp-1
Create a launch template
Version
Default (1)
Create a launch template version
Description
-
Launch template
mytemp-1
lt-0454e67c7123a2846
Instance type
t2.micro
AMI ID
ami-00f081034b9bb080b
Security groups
-
Request Spot Instances
No
Key pair name
RDS
Security group IDs
sg-090d6ea0f7d98511c
Additional details
Storage (volumes)
-
Date created
Tue Mar 26 2024 23:17:49
GMT+0530 (India Standard Time)
Cancel
Next


ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
Add notifications
Step 6 - optional
Add tags
Step 7
Review
Network Info
For most applications, you can use multiple Availability Zones and let EC2 Auto Scaling balance your instances across the zones. The default VPC and default subnets are suitable for getting started quickly.
VPC
Choose the VPC that defines the virtual network for your Auto Scaling group.
vpc-0d2f3e1b83fd29cfa (vpc1)
10.0.0.0/16
Create a VPC
Availability Zones and subnets
Define which Availability Zones and subnets your Auto Scaling group can use in the chosen VPC.
Select Availability Zones and subnets
ap-south-1a | subnet-02fe6e0fbc01f991a (private-subnet-1)
10.0.54.0/24
ap-south-1b | subnet-0ead6d637276f96b4 (private-subnet-2)
10.0.0.0/24
Create a subnet
Cancel
Skip to review
Previous
Next


ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
EC2 > Auto Scaling groups > Create Auto Scaling group
Step 1
Choose launch template
Step 2
Choose instance launch options
Step 3 - optional
Configure advanced options
Step 4 - optional
Configure group size and scaling
Step 5 - optional
Add notifications
Step 6 - optional
Add tags
Step 7
Review
Configure advanced options - optional Info
Choose a load balancer to distribute incoming traffic for your application across instances to make it more reliable and easily scalable. You can also set options that give you more control over health check replacements and monitoring.
Load balancing Info
Use the options below to attach your Auto Scaling group to an existing load balancer, or to a new load balancer that you define.
No load balancer
Traffic to your Auto Scaling group will not be fronted by a load balancer.
Attach to an existing load balancer
Choose from your existing load balancers.
Attach to a new load balancer
Quickly create a basic load balancer to attach to your Auto Scaling group.
Health checks
Health checks increase availability by replacing unhealthy instances. When you use multiple health checks, all are evaluated, and if at least one fails, instance replacement occurs.
EC2 health checks
Always enabled
Additional health check types - optional Info
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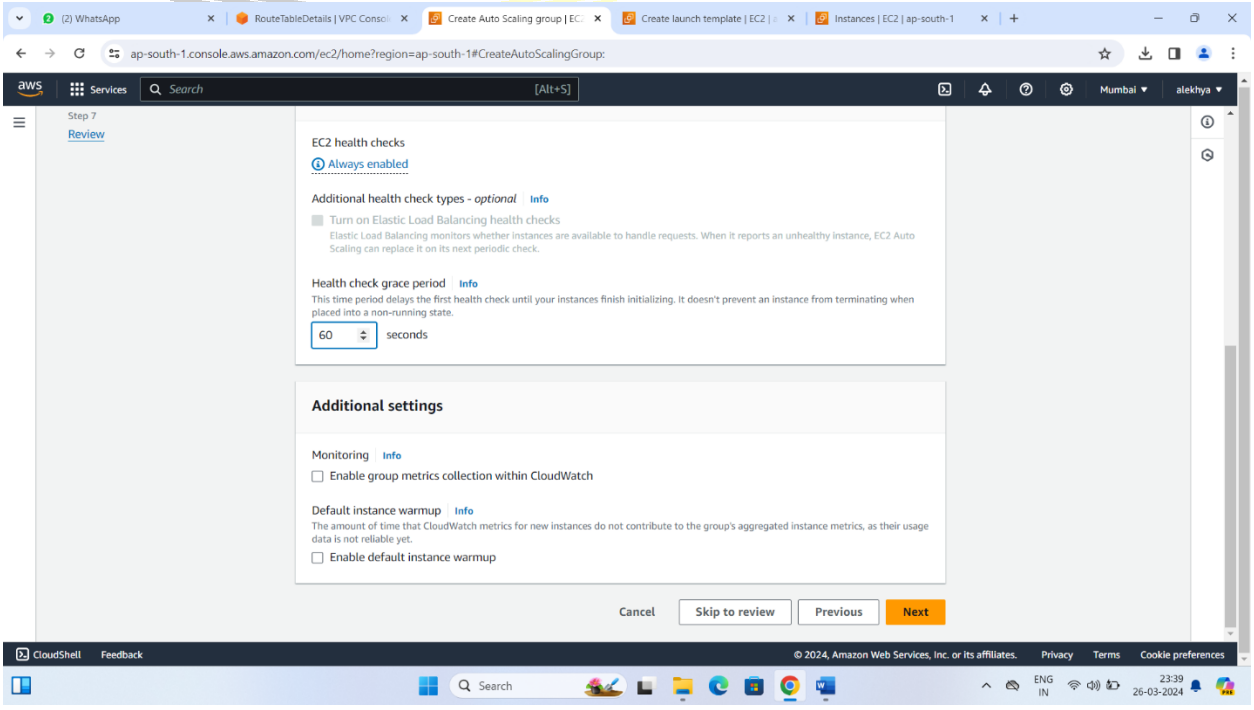
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
Step 7
Review
EC2 health checks
Always enabled
Additional health check types - optional Info
Turn on Elastic Load Balancing health checks
Elastic Load Balancing monitors whether instances are available to handle requests. When it reports an unhealthy instance, EC2 Auto Scaling can replace it on its next periodic check.
Health check grace period Info
This time period delays the first health check until your instances finish initializing. It doesn't prevent an instance from terminating when placed into a non-running state.
60
seconds
Additional settings
Monitoring Info
Enable group metrics collection within CloudWatch
Default instance warmup Info
The amount of time that CloudWatch metrics for new instances do not contribute to the group's aggregated instance metrics, as their usage data is not reliable yet.
Enable default instance warmup
Cancel
Skip to review
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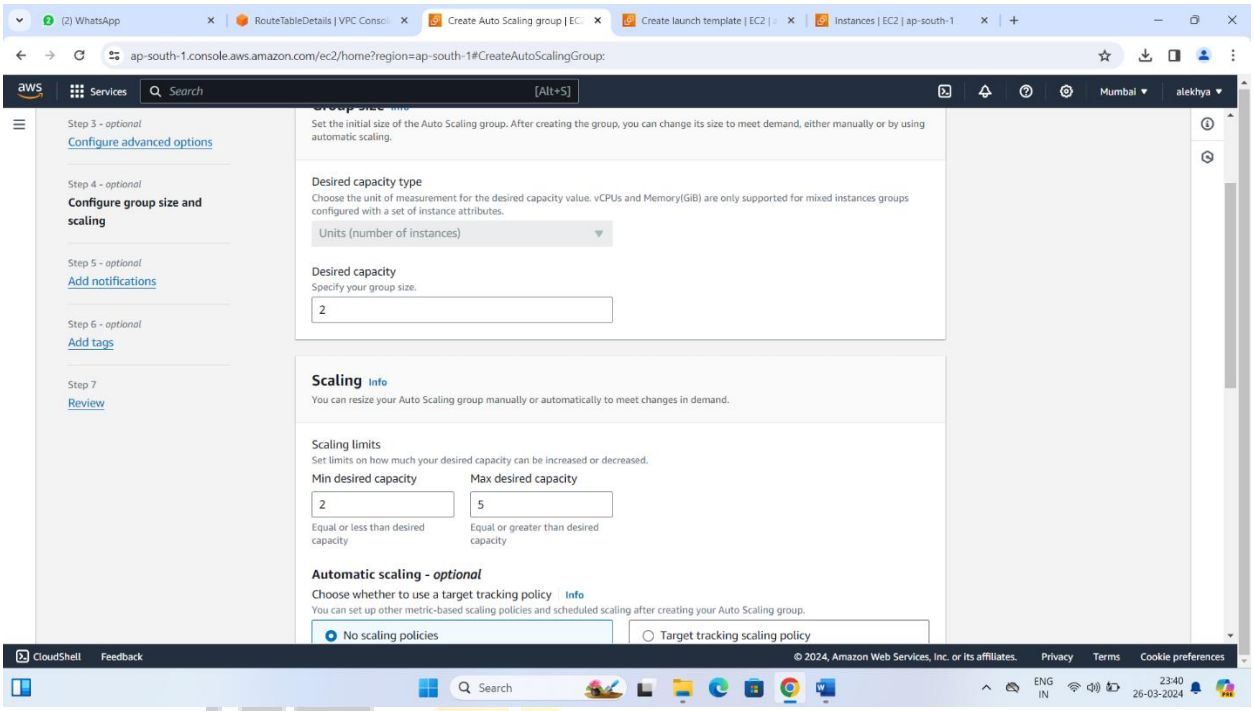
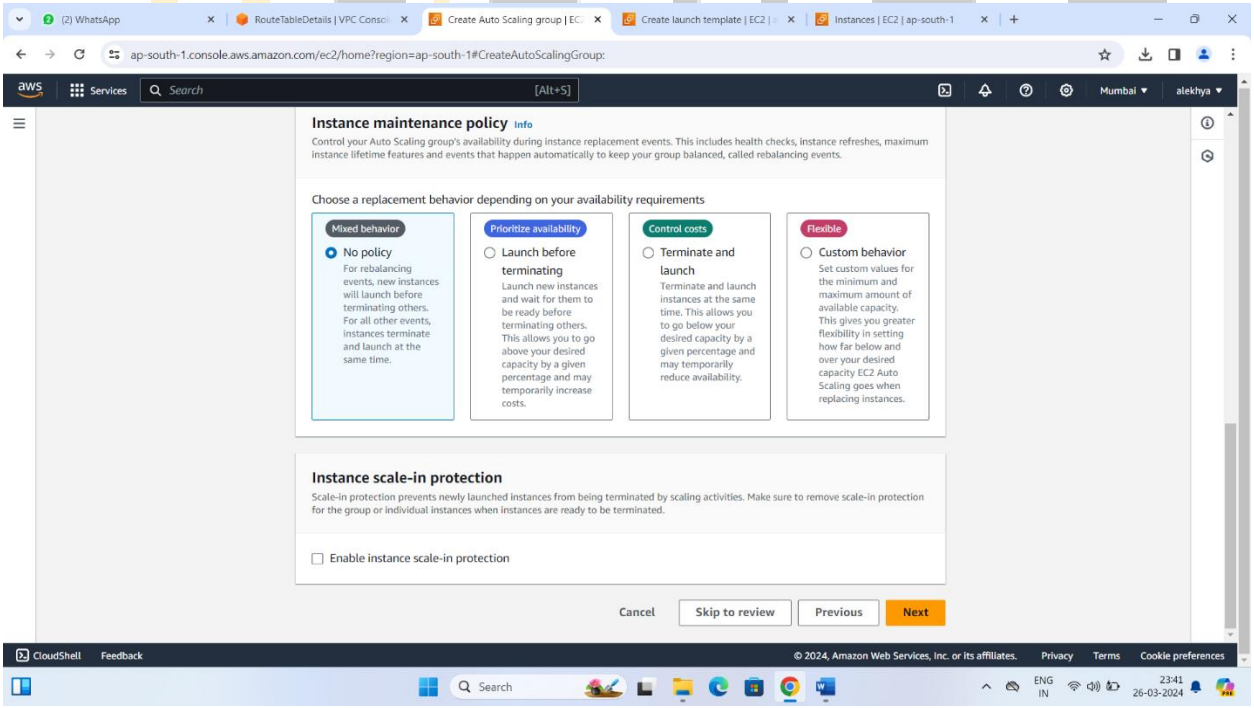
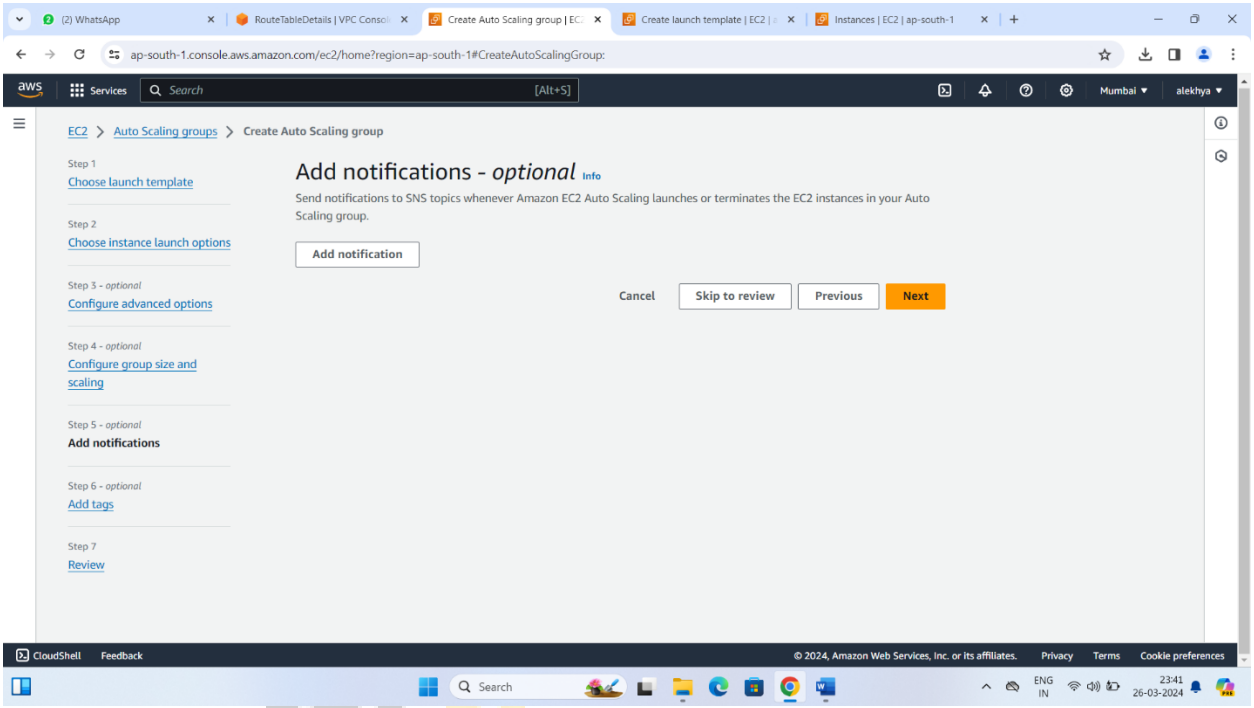
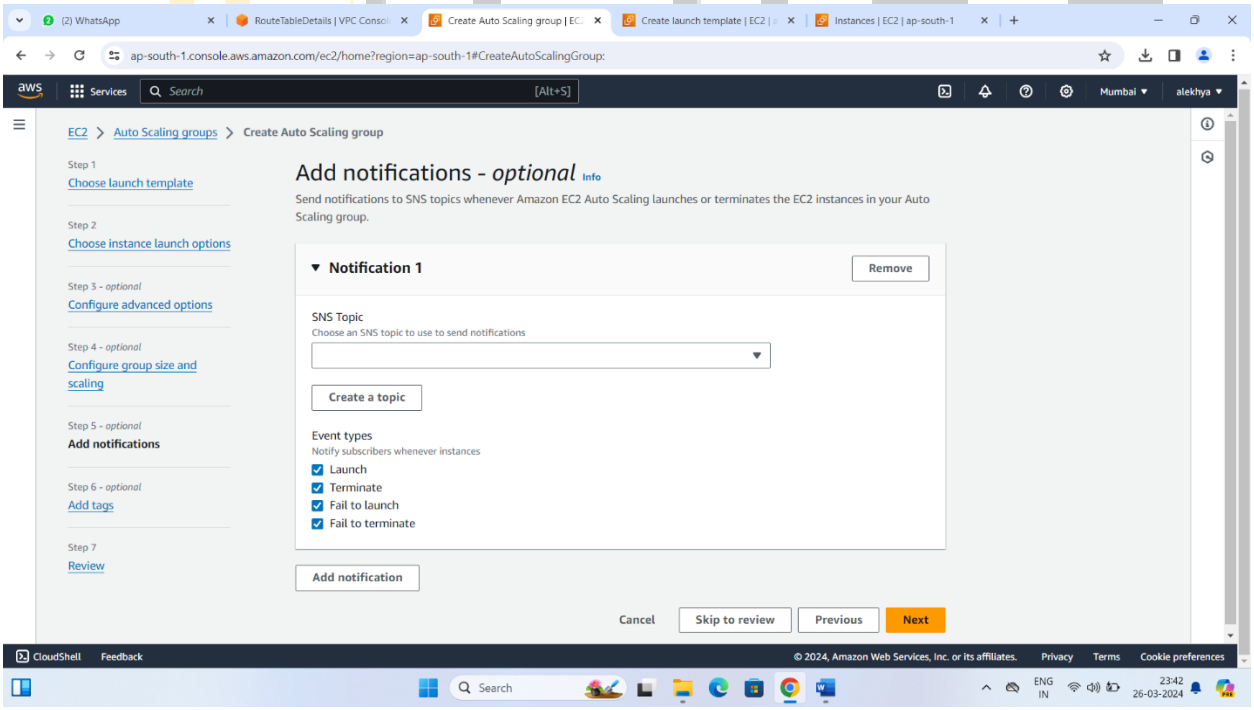
- Enter Desired Capacity then enter min and max desired capacity then click on next

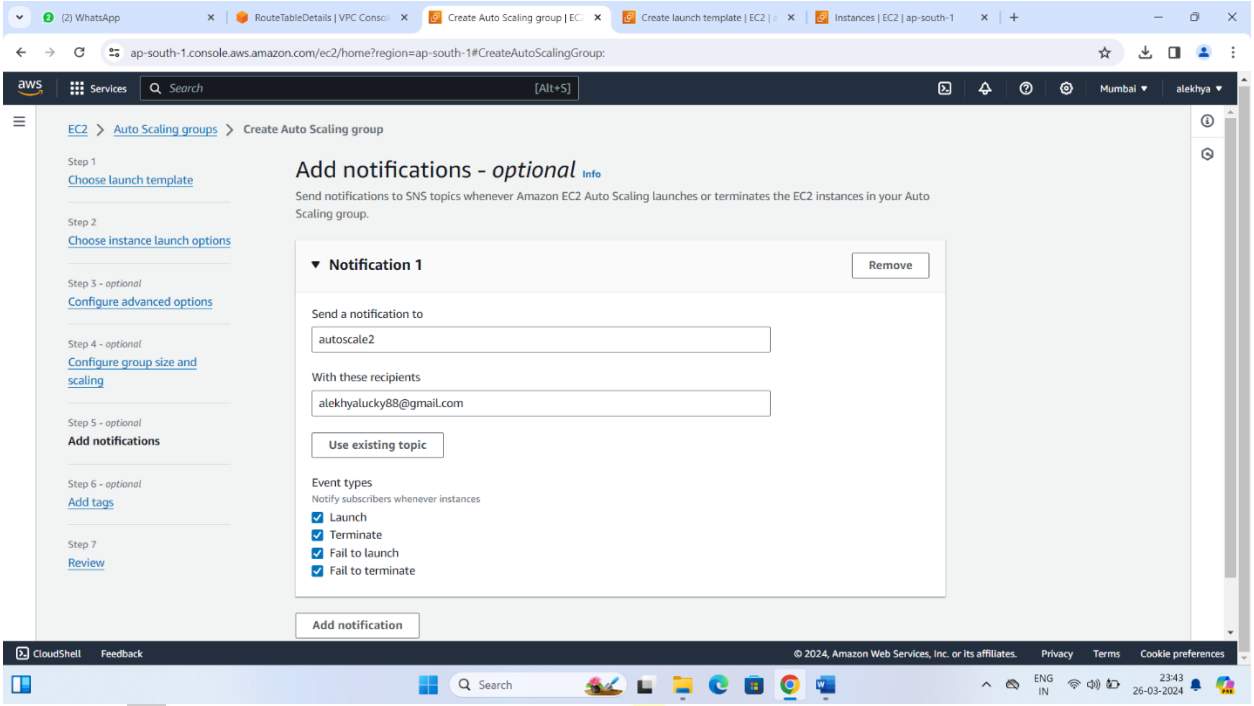


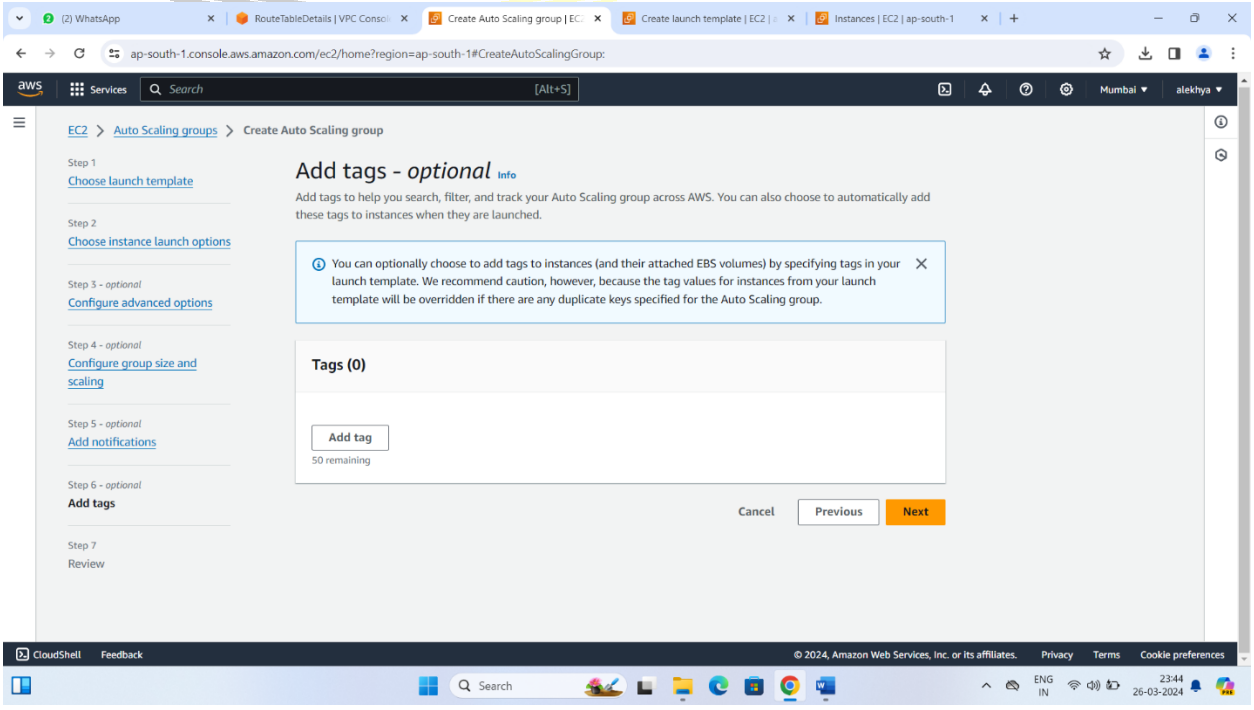


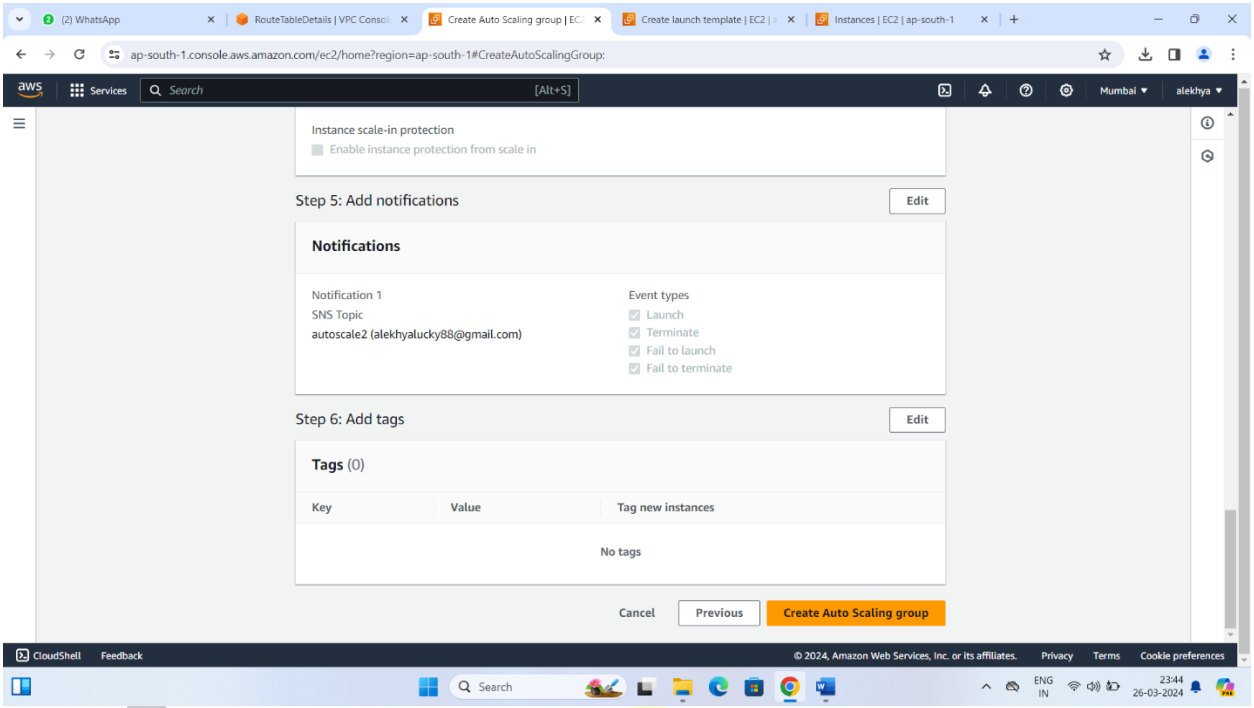
- Click on Add notification and create topic
- Enter topic name and enter email id then next
- Click on create auto scaling group.

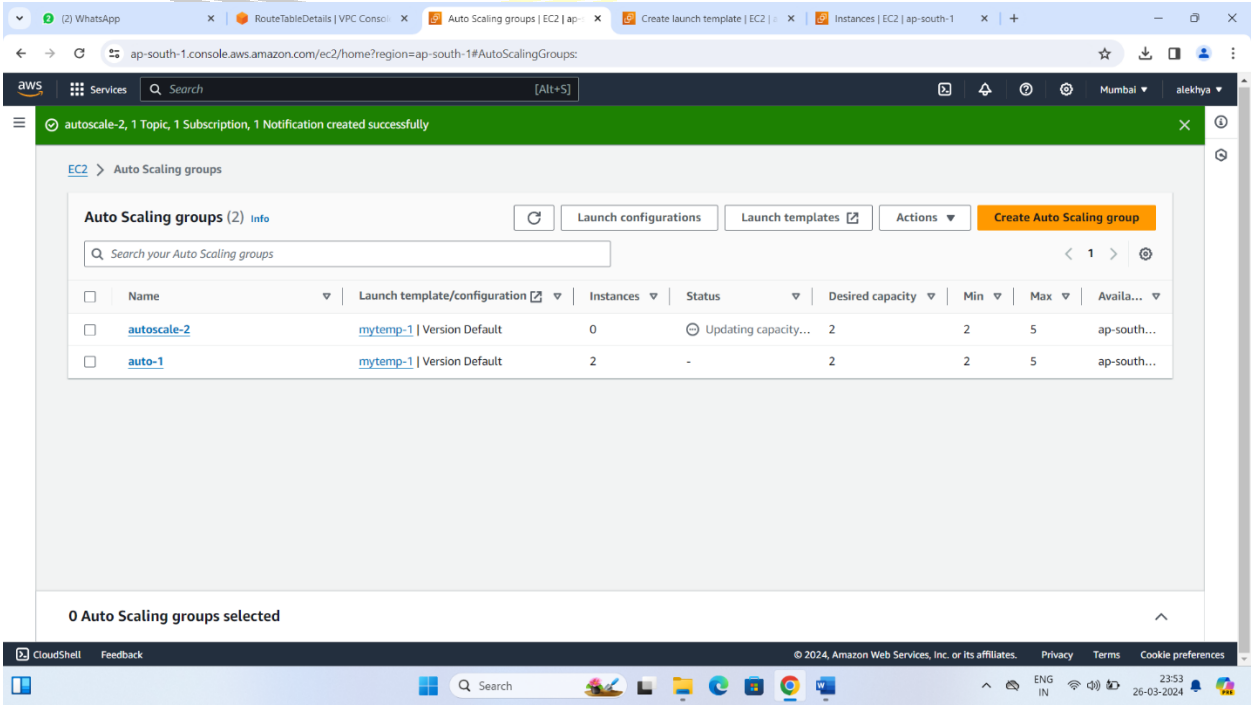


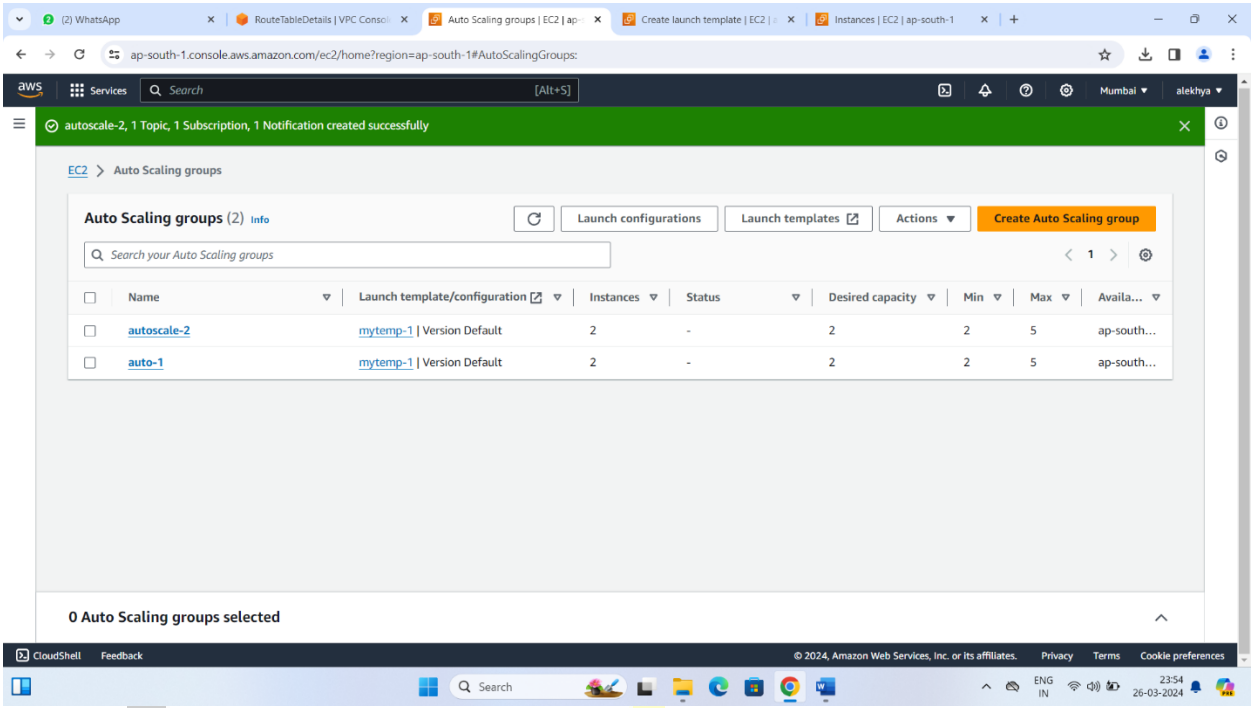



ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
EC2 > Auto Scaling groups > Create Auto Scaling group
Step 1
Choose launch template
Step 2
Choose instance launch options
Step 3 - optional
Configure advanced options
Step 4 - optional
Configure group size and scaling
Step 5 - optional
Add notifications
Step 6 - optional
Add tags
Step 7
Review
Add notifications - optional Info
Send notifications to SNS topics whenever Amazon EC2 Auto Scaling launches or terminates the EC2 instances in your Auto Scaling group.
Notification 1
Remove
Send a notification to
autoscale2
With these recipients
alekhyalucky88@gmail.com
Use existing topic
Event types
Notify subscribers whenever instances
Launch
Terminate
Fail to launch
Fail to terminate
Add notification

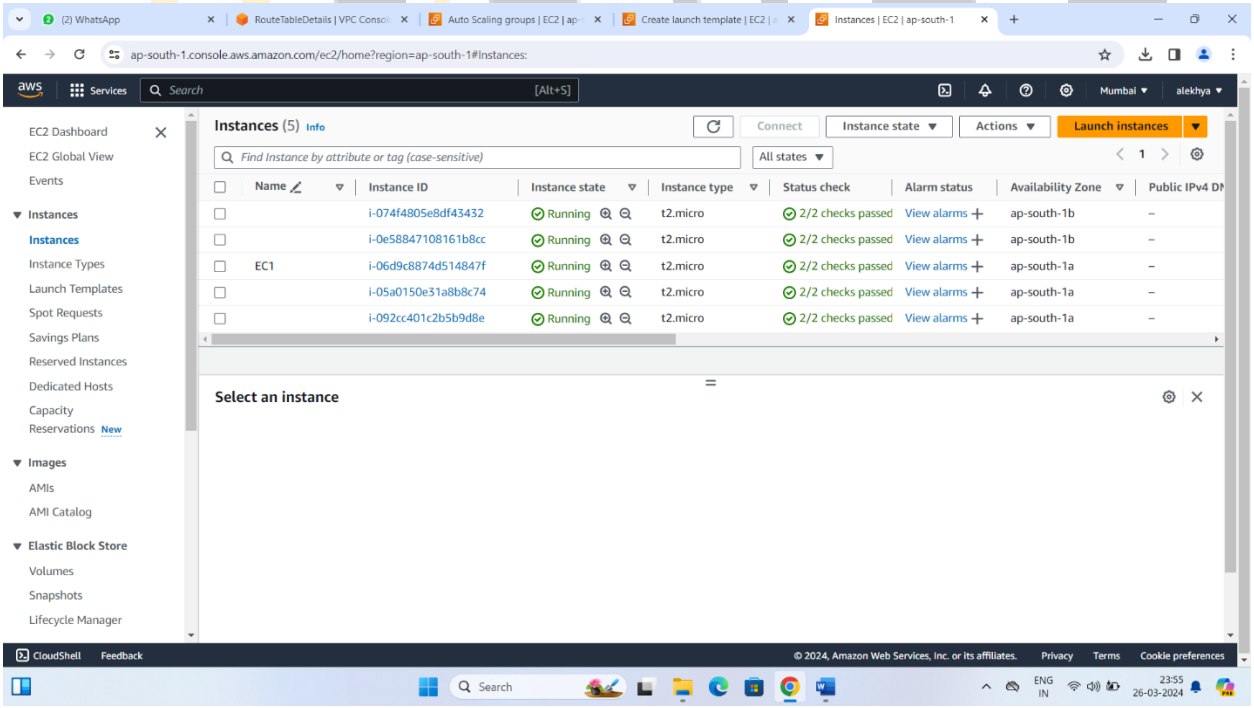

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
EC2 > Auto Scaling groups > Create Auto Scaling group
Step 1
Choose launch template
Step 2
Choose instance launch options
Step 3 - optional
Configure advanced options
Step 4 - optional
Configure group size and scaling
Step 5 - optional
Add notifications
Step 6 - optional
Add tags
Step 7
Review
Add tags - optional Info
Add tags to help you search, filter, and track your Auto Scaling group across AWS. You can also choose to automatically add these tags to instances when they are launched.
You can optionally choose to add tags to instances (and their attached EBS volumes) by specifying tags in your launch template. We recommend caution, however, because the tag values for instances from your launch template will be overridden if there are any duplicate keys specified for the Auto Scaling group.
Tags (0)
Add tag
50 remaining
Cancel
Previous
Next


ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateAutoScalingGroup:
Instance scale-in protection
Enable instance protection from scale in
Step 5: Add notifications
Edit
Notifications
Notification 1
SNS Topic
autoscale2 (alekhyalucky88@gmail.com)
Event types
Launch
Terminate
Fail to launch
Fail to terminate
Step 6: Add tags
Edit
Tags (0)
Key
Value
Tag new instances
No tags
Cancel
Previous
Create Auto Scaling group

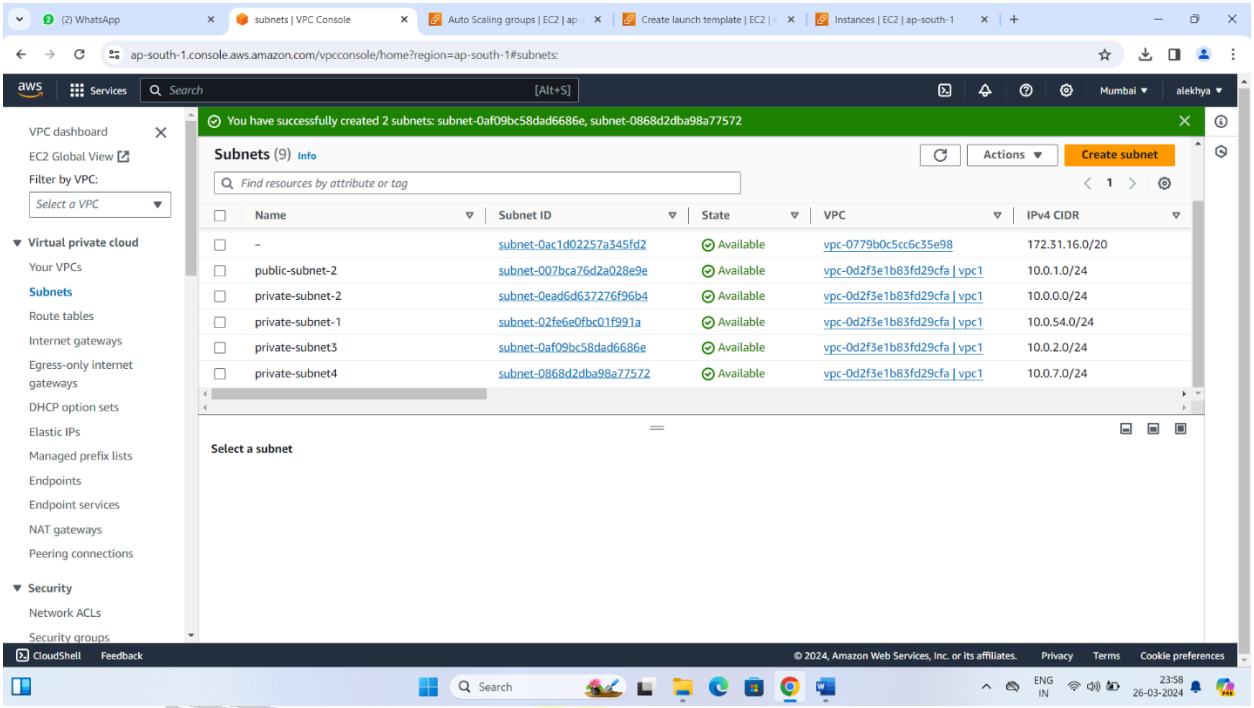

ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#AutoScalingGroups:
autoscale-2, 1 Topic, 1 Subscription, 1 Notification created successfully
EC2 > Auto Scaling groups
Auto Scaling groups (2) Info
Launch configurations
Launch templates
Actions
Create Auto Scaling group
Search your Auto Scaling groups
Name
Launch template/configuration
Instances
Status
Desired capacity
Min
Max
Availa...
autoscale-2
mytemp-1 | Version Default
0
Updating capacity...
2
2
5
ap-south...
auto-1
mytemp-1 | Version Default
2
-
2
2
5
ap-south...
0 Auto Scaling groups selected



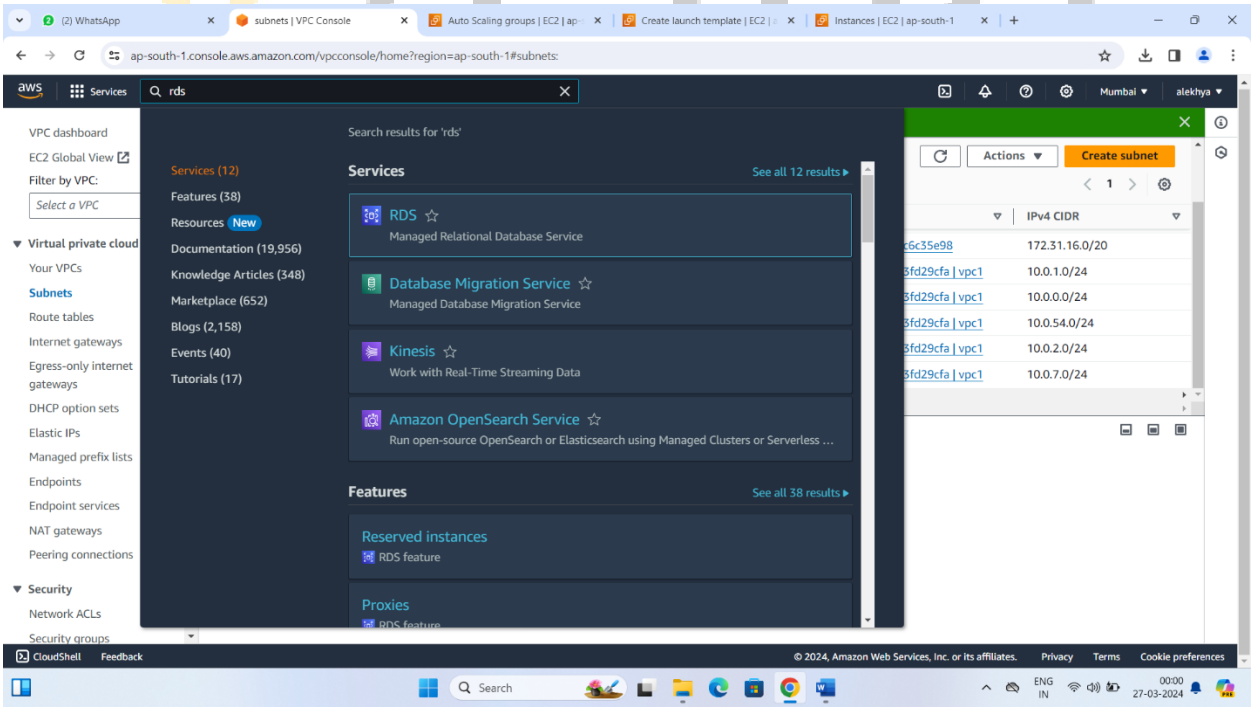
- After Creating Auto scaling group we can see the servers automatically created.



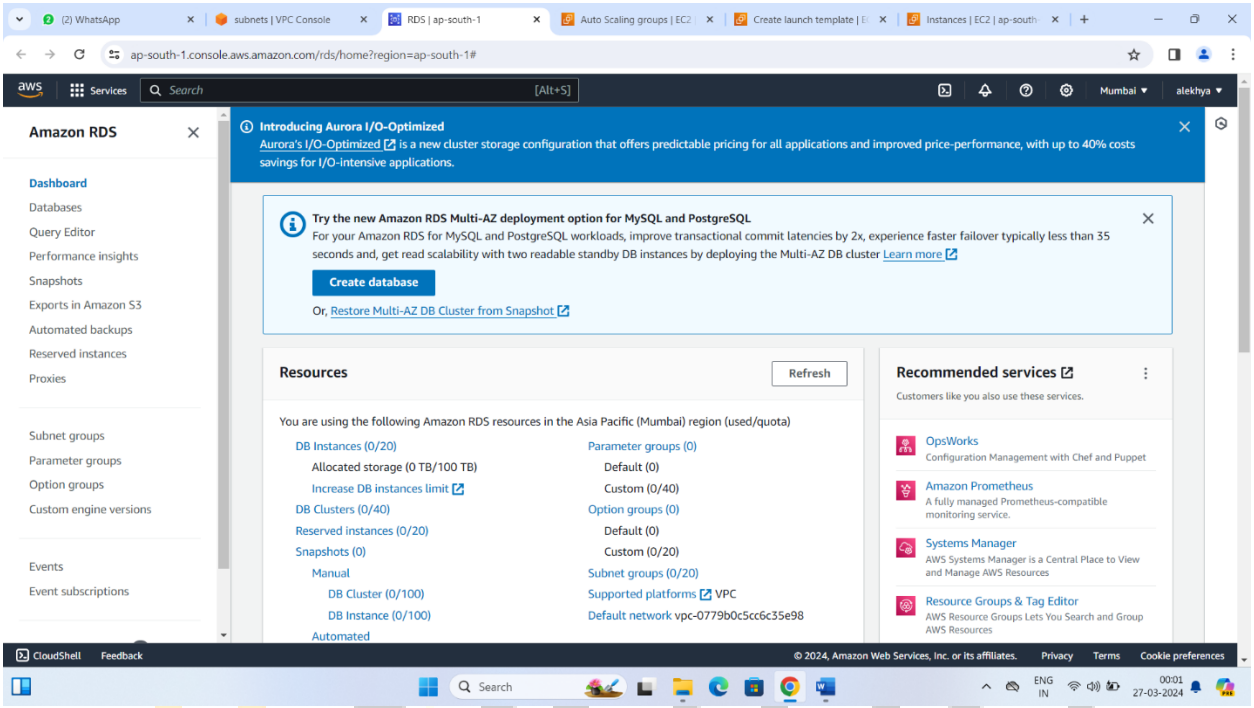
- Now go to VPC and create private subnets for RDS

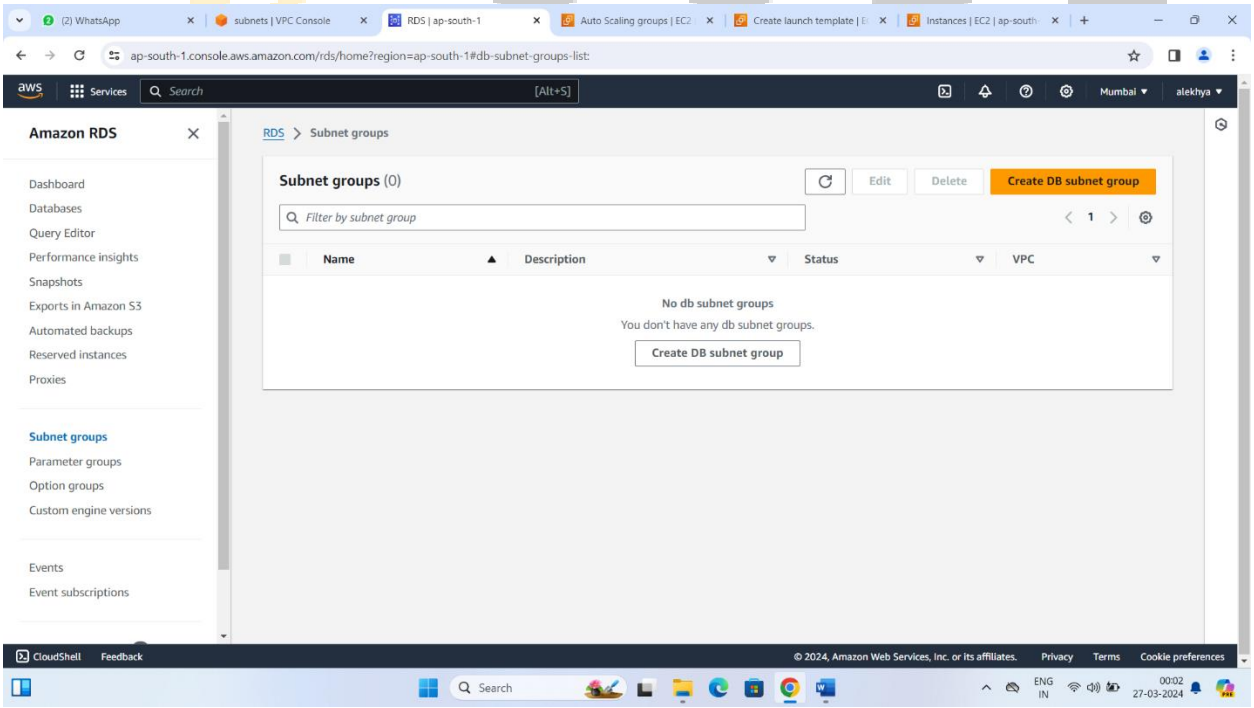


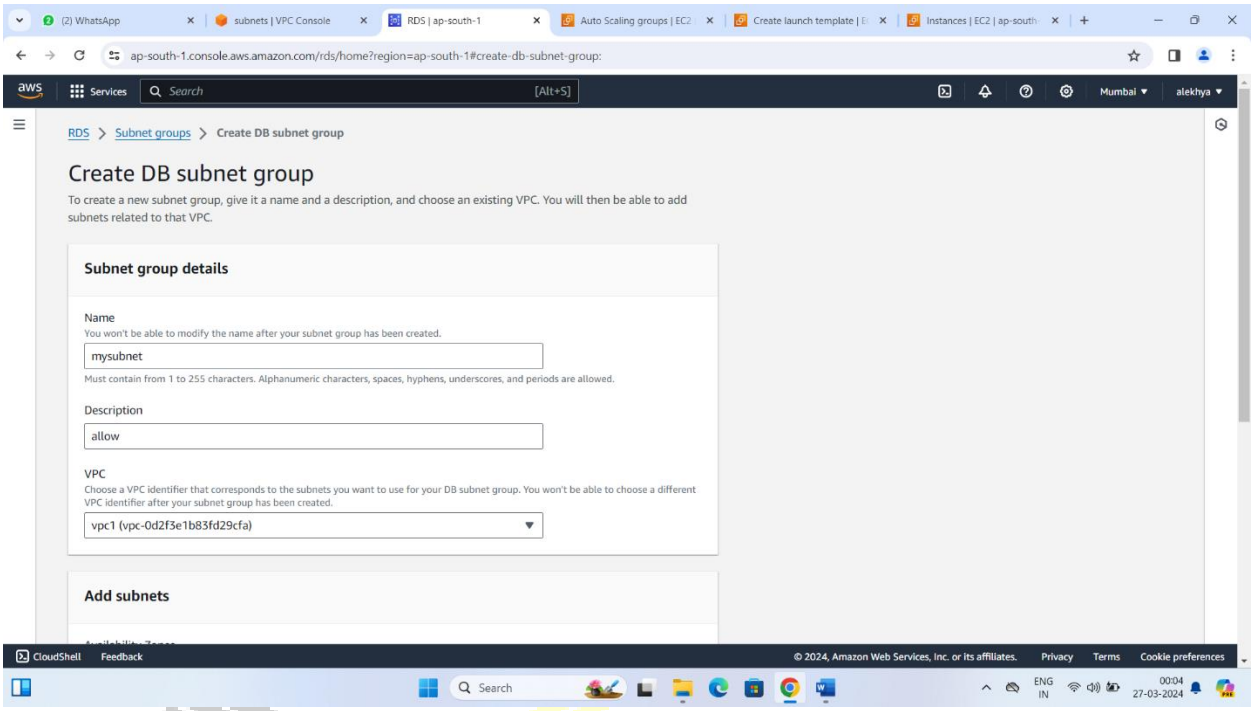
- Now go to RDS



- Go to subnet groups then click on Create Subnet group
- Enter subnet group name and select VPC
- Select AZ’s then Select subnet’s RDS and public subnet of while launching ec2 instance of subnet.






(2) WhatsApp
subnets | VPC Console
RDS | ap-south-1
Auto Scaling groups | EC2
Create launch template | E
Instances | EC2 | ap-south
ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#create-db-subnet-group:
aws
Services
Search
[Alt+S]
Mumbai
alekhya
RDS > Subnet groups > Create DB subnet group
Create DB subnet group
To create a new subnet group, give it a name and a description, and choose an existing VPC. You will then be able to add subnets related to that VPC.
Subnet group details
Name
You won't be able to modify the name after your subnet group has been created.
mysubnet
Must contain from 1 to 255 characters. Alphanumeric characters, spaces, hyphens, underscores, and periods are allowed.
Description
allow
VPC
Choose a VPC identifier that corresponds to the subnets you want to use for your DB subnet group. You won't be able to choose a different VPC identifier after your subnet group has been created.
vpc1 (vpc-0d2f3e1b83fd29cfa)
Add subnets
CloudShell
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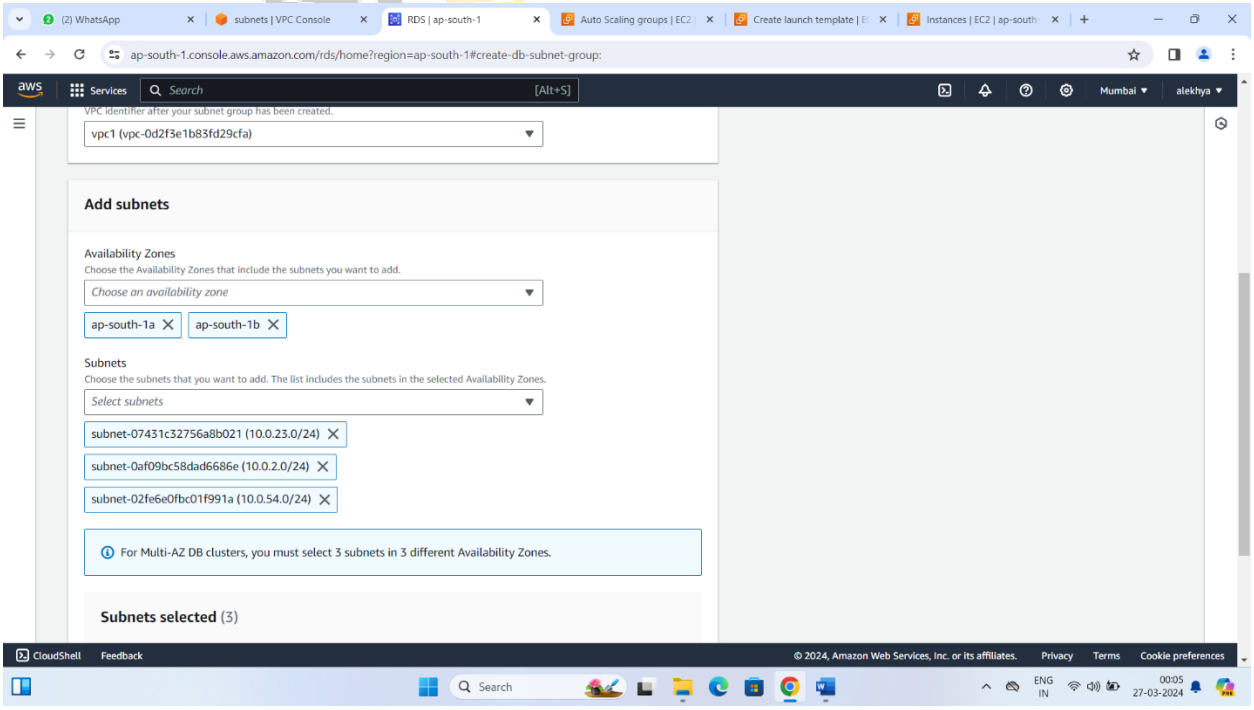
(2) WhatsApp
subnets | VPC Console
RDS | ap-south-1
Auto Scaling groups | EC2
Create launch template | E
Instances | EC2 | ap-south
ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#create-db-subnet-group:
aws
Services
Search
[Alt+S]
Mumbai
alekhya
VPC identifier after your subnet group has been created.
vpc1 (vpc-0d2f3e1b83fd29cfa)
Add subnets
Availability Zones
Choose the Availability Zones that include the subnets you want to add.
Choose an availability zone
ap-south-1a
ap-south-1b
Subnets
Choose the subnets that you want to add. The list includes the subnets in the selected Availability Zones.
Select subnets
subnet-07431c32756a8b021 (10.0.23.0/24)
subnet-0af09bc58dad6686e (10.0.2.0/24)
subnet-02fe6e0fbc01f991a (10.0.54.0/24)
For Multi-AZ DB clusters, you must select 3 subnets in 3 different Availability Zones.
Subnets selected (3)
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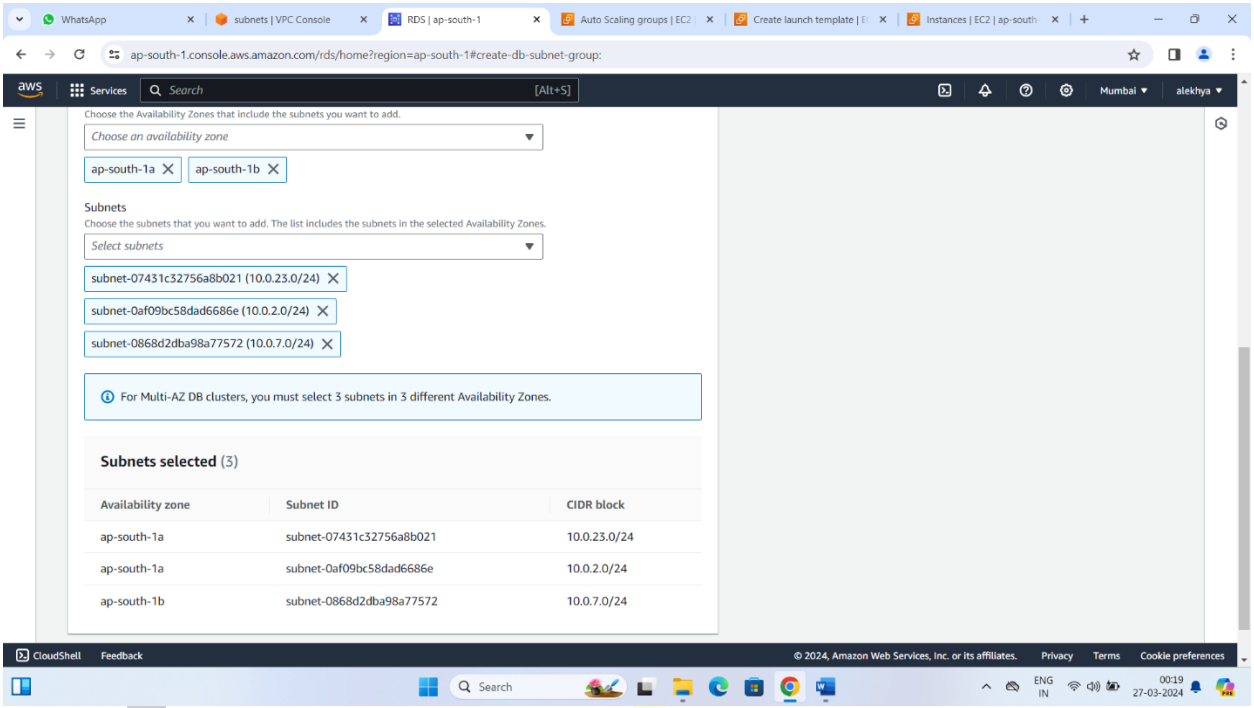
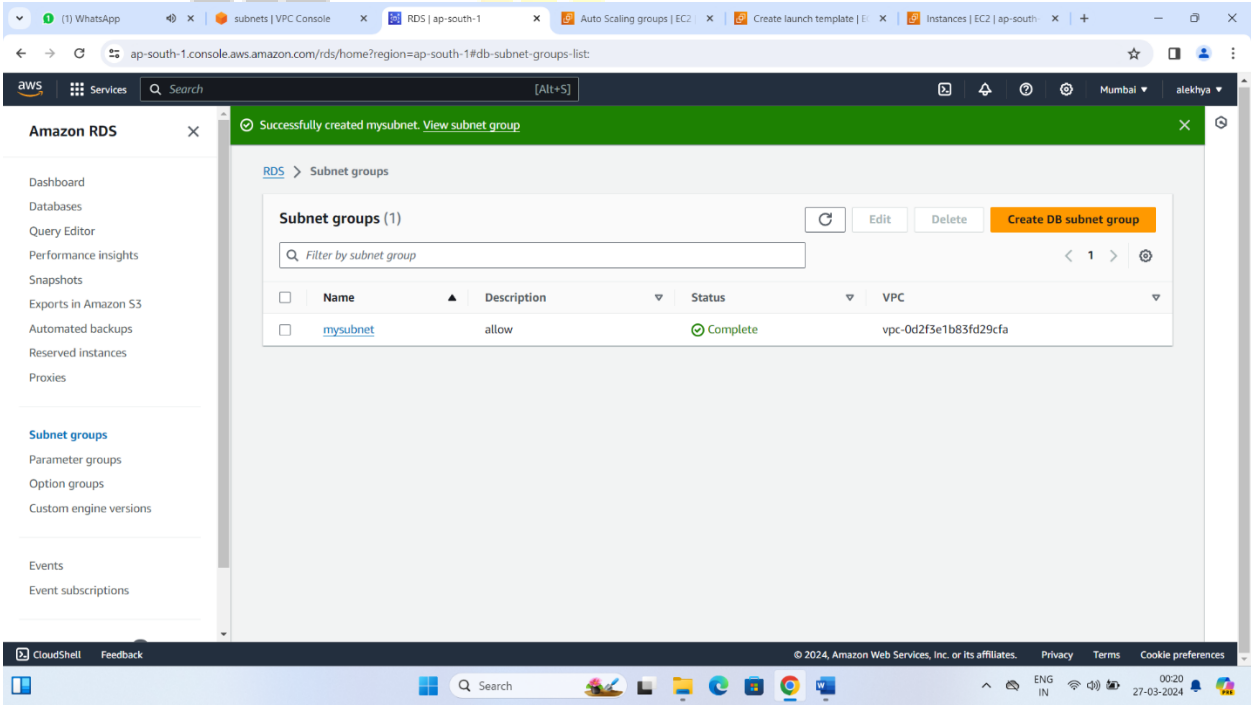
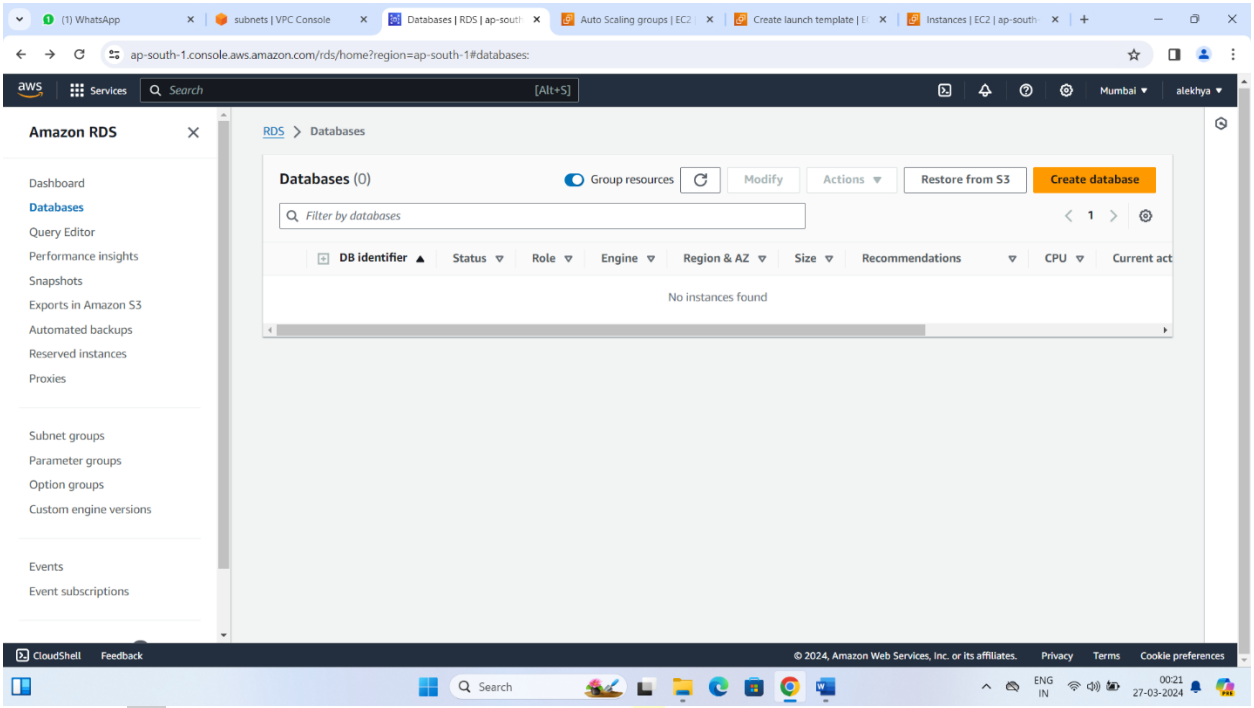




- Now go to Database
- Click on Create database through VPC and subnet group


ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#databases:
Services
Search
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Mumbai
alekhya
Amazon RDS
Dashboard
Databases
Query Editor
Performance insights
Snapshots
Exports in Amazon S3
Automated backups
Reserved instances
Proxies
Subnet groups
Parameter groups
Option groups
Custom engine versions
Events
Event subscriptions
RDS > Databases
Databases (0)
Group resources
Modify
Actions
Restore from S3
Create database
Filter by databases
DB identifier
Status
Role
Engine
Region & AZ
Size
Recommendations
CPU
No instances found
CloudShell
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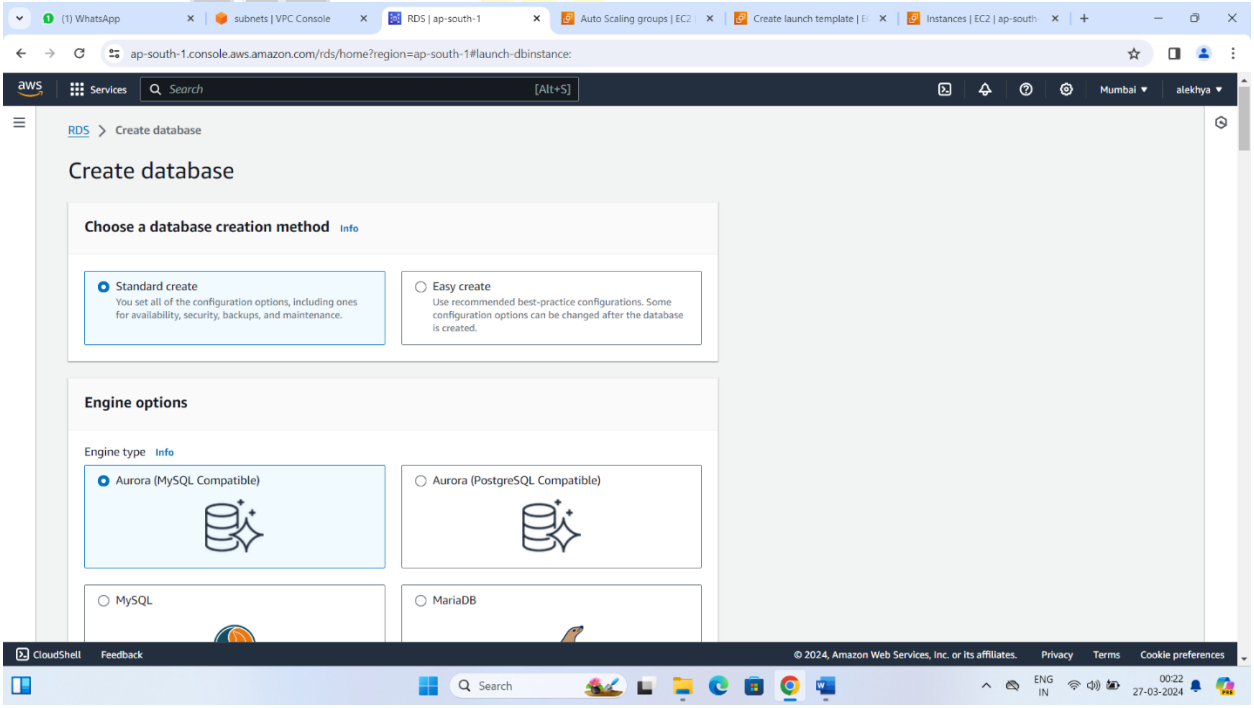
ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#launch-dbinstance:
Services
Search
[Alt+S]
Mumbai
alekhya
RDS > Create database
Create database
Choose a database creation method Info
Standard create
You set all of the configuration options, including ones for availability, security, backups, and maintenance.
Easy create
Use recommended best-practice configurations. Some configuration options can be changed after the database is created.
Engine options
Engine type Info
Aurora (MySQL Compatible)
Aurora (PostgreSQL Compatible)
MySQL
MariaDB
CloudShell
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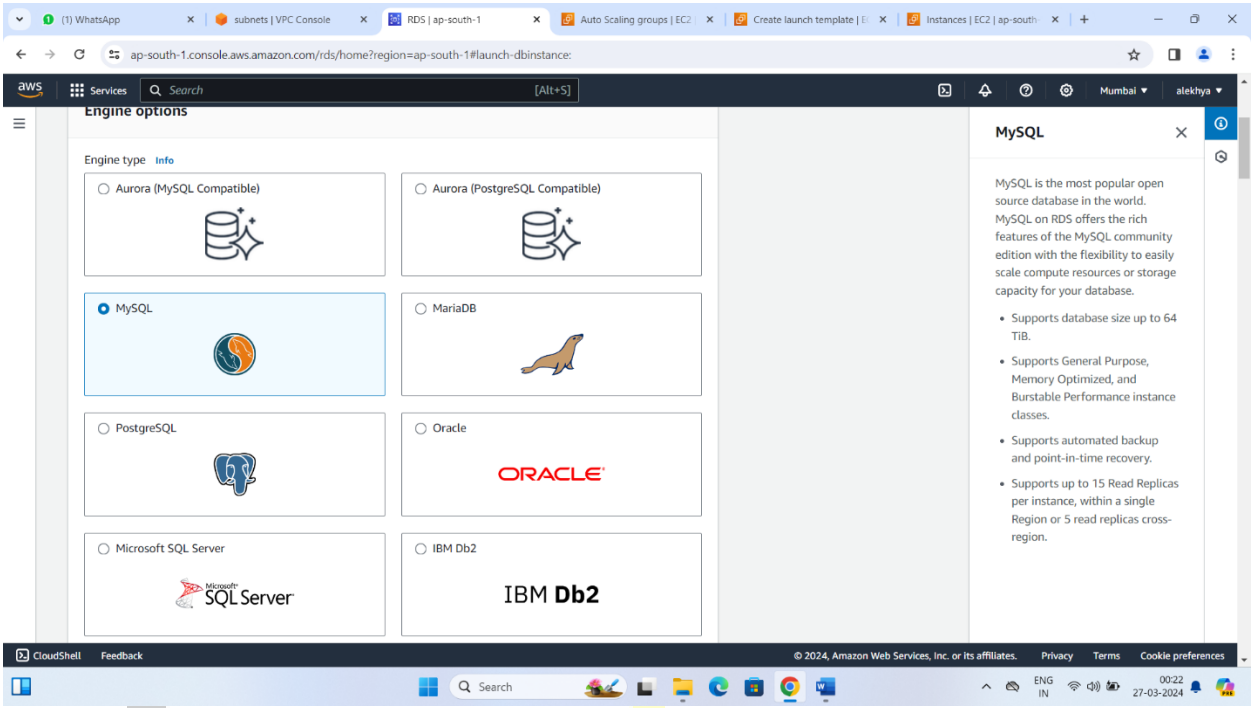
(1) WhatsApp
subnets | VPC Console
RDS | ap-south-1
Auto Scaling groups | EC2
Create launch template | E
Instances | EC2 | ap-south
ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#launch-dbinstance:
aws
Services
Search
[Alt+S]
Mumbai
alekhya
Engine options
Engine type Info
Aurora (MySQL Compatible)
Aurora (PostgreSQL Compatible)
MySQL
MariaDB
PostgreSQL
Oracle
ORACLE
Microsoft SQL Server
Microsoft SQL Server
IBM Db2
IBM Db2
MySQL
MySQL is the most popular open source database in the world. MySQL on RDS offers the rich features of the MySQL community edition with the flexibility to easily scale compute resources or storage capacity for your database.
Supports database size up to 64 TiB.
Supports General Purpose, Memory Optimized, and Burstable Performance instance classes.
Supports automated backup and point-in-time recovery.
Supports up to 15 Read Replicas per instance, within a single Region or 5 read replicas cross-region.
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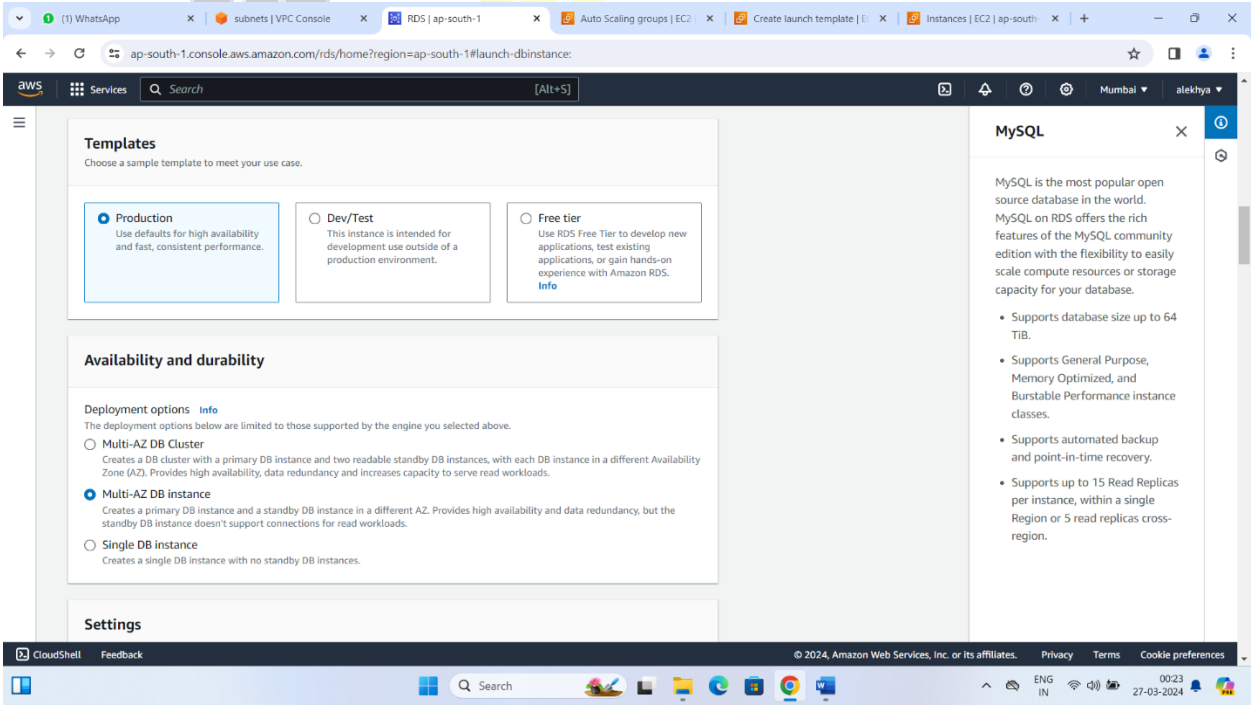
(1) WhatsApp
subnets | VPC Console
RDS | ap-south-1
Auto Scaling groups | EC2
Create launch template | E
Instances | EC2 | ap-south
ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#launch-dbinstance:
aws
Services
Search
[Alt+S]
Mumbai
alekhya
Templates
Choose a sample template to meet your use case.
Production
Use defaults for high availability and fast, consistent performance.
Dev/Test
This instance is intended for development use outside of a production environment.
Free tier
Use RDS Free Tier to develop new applications, test existing applications, or gain hands-on experience with Amazon RDS.
Info
Availability and durability
Deployment options Info
The deployment options below are limited to those supported by the engine you selected above.
Multi-AZ DB Cluster
Creates a DB cluster with a primary DB instance and two readable standby DB instances, with each DB instance in a different Availability Zone (AZ). Provides high availability, data redundancy and increases capacity to serve read workloads.
Multi-AZ DB instance
Creates a primary DB instance and a standby DB instance in a different AZ. Provides high availability and data redundancy, but the standby DB instance doesn't support connections for read workloads.
Single DB instance
Creates a single DB instance with no standby DB instances.
Settings
MySQL
MySQL is the most popular open source database in the world. MySQL on RDS offers the rich features of the MySQL community edition with the flexibility to easily scale compute resources or storage capacity for your database.
Supports database size up to 64 TiB.
Supports General Purpose, Memory Optimized, and Burstable Performance instance classes.
Supports automated backup and point-in-time recovery.
Supports up to 15 Read Replicas per instance, within a single Region or 5 read replicas cross-region.
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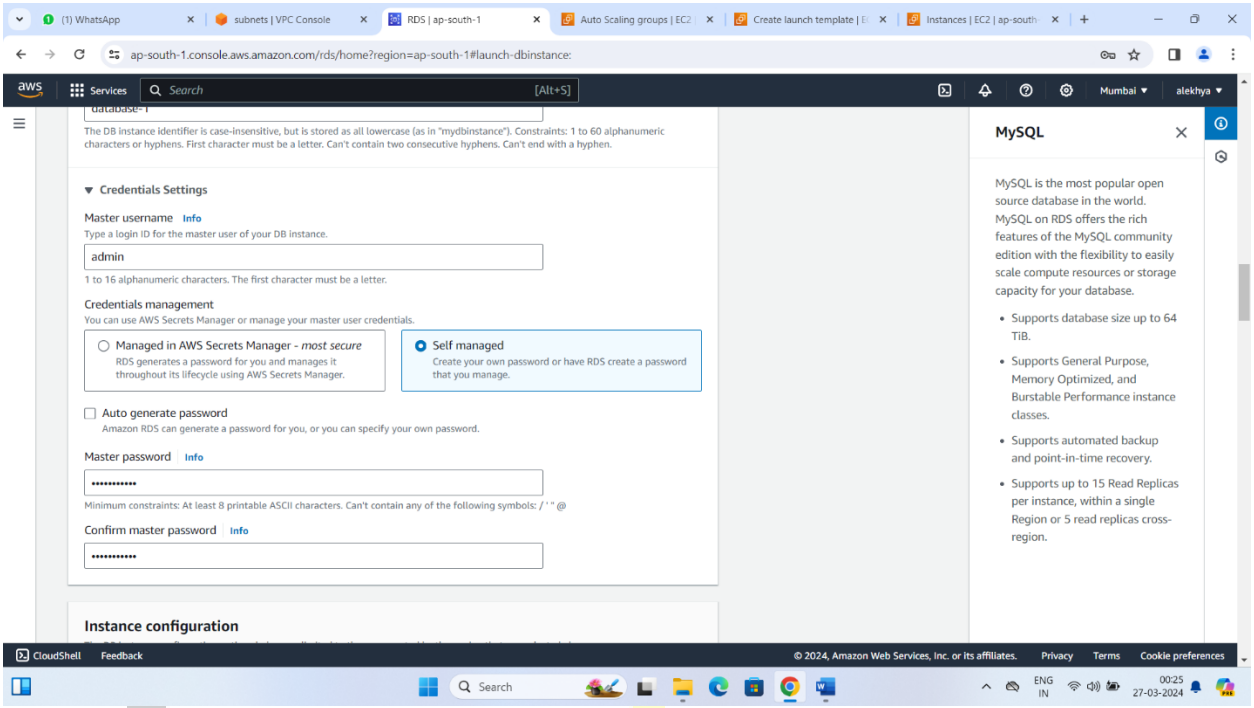
(1) WhatsApp
subnets | VPC Console
RDS | ap-south-1
Auto Scaling groups | EC2
Create launch template | E
Instances | EC2 | ap-south
ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#launch-dbinstance:
aws
Services
Search
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Mumbai
alekhya
The DB instance identifier is case-insensitive, but is stored as all lowercase (as in "mydbinstance"). Constraints: 1 to 60 alphanumeric characters or hyphens. First character must be a letter. Can't contain two consecutive hyphens. Can't end with a hyphen.
Credentials Settings
Master username Info
Type a login ID for the master user of your DB instance.
admin
1 to 16 alphanumeric characters. The first character must be a letter.
Credentials management
You can use AWS Secrets Manager or manage your master user credentials.
Managed in AWS Secrets Manager - most secure
RDS generates a password for you and manages it throughout its lifecycle using AWS Secrets Manager.
Self managed
Create your own password or have RDS create a password that you manage.
Auto generate password
Amazon RDS can generate a password for you, or you can specify your own password.
Master password Info
Minimum constraints: At least 8 printable ASCII characters. Can't contain any of the following symbols: / ' " @
Confirm master password Info
Instance configuration
MySQL
MySQL is the most popular open source database in the world. MySQL on RDS offers the rich features of the MySQL community edition with the flexibility to easily scale compute resources or storage capacity for your database.
Supports database size up to 64 TiB.
Supports General Purpose, Memory Optimized, and Burstable Performance instance classes.
Supports automated backup and point-in-time recovery.
Supports up to 15 Read Replicas per instance, within a single Region or 5 read replicas cross-region.
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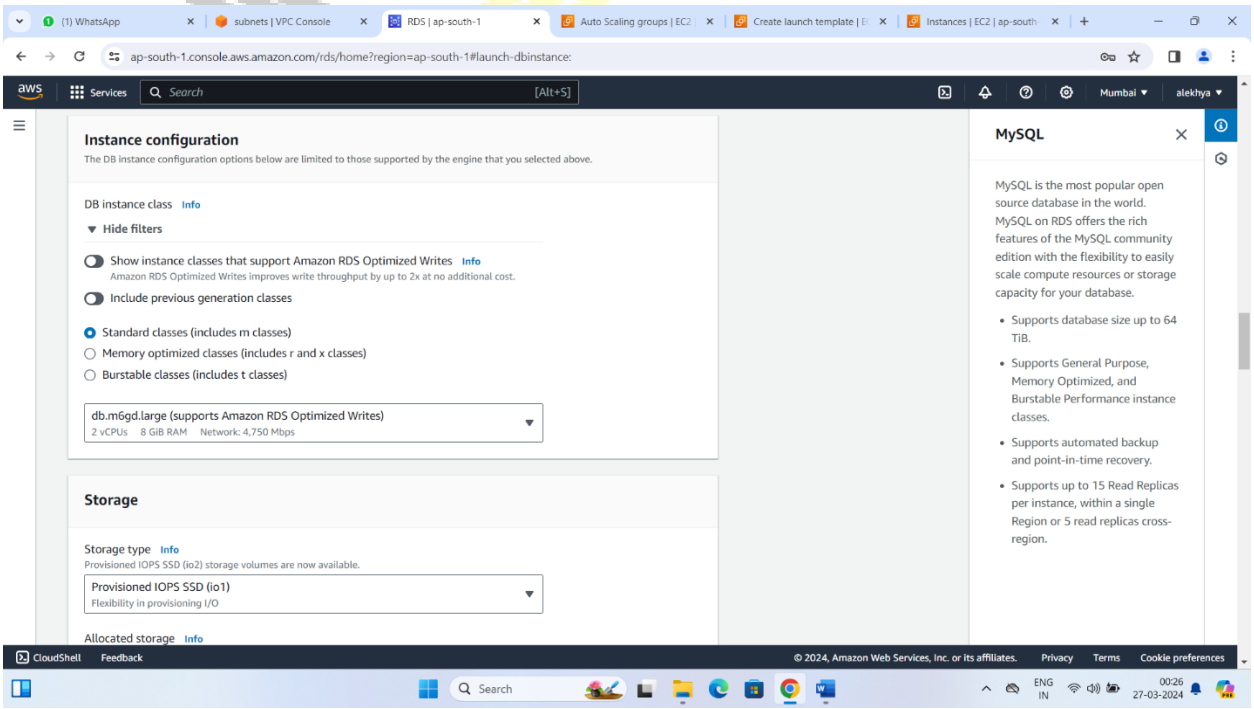
(1) WhatsApp
subnets | VPC Console
RDS | ap-south-1
Auto Scaling groups | EC2
Create launch template | E
Instances | EC2 | ap-south
ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#launch-dbinstance:
aws
Services
Search
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Mumbai
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Instance configuration
The DB instance configuration options below are limited to those supported by the engine that you selected above.
DB instance class Info
Hide filters
Show instance classes that support Amazon RDS Optimized Writes Info
Amazon RDS Optimized Writes improves write throughput by up to 2x at no additional cost.
Include previous generation classes
Standard classes (includes m classes)
Memory optimized classes (includes r and x classes)
Burstable classes (includes t classes)
db.m6gd.large (supports Amazon RDS Optimized Writes)
2 vCPUs 8 GiB RAM Network: 4,750 Mbps
Storage
Storage type Info
Provisioned IOPS SSD (io2) storage volumes are now available.
Provisioned IOPS SSD (io1)
Flexibility in provisioning I/O
Allocated storage Info
MySQL
MySQL is the most popular open source database in the world. MySQL on RDS offers the rich features of the MySQL community edition with the flexibility to easily scale compute resources or storage capacity for your database.
Supports database size up to 64 TiB.
Supports General Purpose, Memory Optimized, and Burstable Performance instance classes.
Supports automated backup and point-in-time recovery.
Supports up to 15 Read Replicas per instance, within a single Region or 5 read replicas cross-region.
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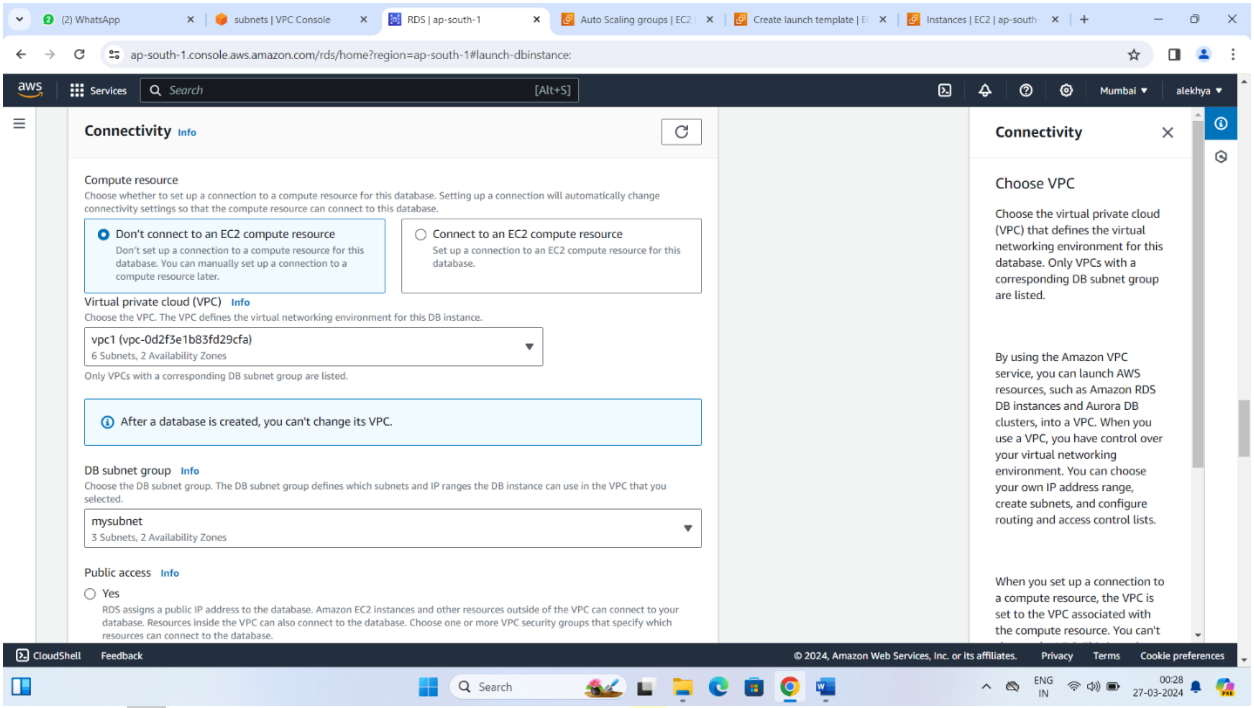
(2) WhatsApp
subnets | VPC Console
RDS | ap-south-1
Auto Scaling groups | EC2
Create launch template | E
Instances | EC2 | ap-south
ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#launch-dbinstance:
aws
Services
Search
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Mumbai
alekhya
Connectivity Info
Compute resource
Choose whether to set up a connection to a compute resource for this database. Setting up a connection will automatically change connectivity settings so that the compute resource can connect to this database.
Don't connect to an EC2 compute resource
Don't set up a connection to a compute resource for this database. You can manually set up a connection to a compute resource later.
Connect to an EC2 compute resource
Set up a connection to an EC2 compute resource for this database.
Virtual private cloud (VPC) Info
Choose the VPC. The VPC defines the virtual networking environment for this DB instance.
vpc1 (vpc-0d2f3e1b83fd29cfa)
6 Subnets, 2 Availability Zones
Only VPCs with a corresponding DB subnet group are listed.
After a database is created, you can't change its VPC.
DB subnet group Info
Choose the DB subnet group. The DB subnet group defines which subnets and IP ranges the DB instance can use in the VPC that you selected.
mysubnet
3 Subnets, 2 Availability Zones
Public access Info
Yes
RDS assigns a public IP address to the database. Amazon EC2 instances and other resources outside of the VPC can connect to your database. Resources inside the VPC can also connect to the database. Choose one or more VPC security groups that specify which resources can connect to the database.
Connectivity
Choose VPC
Choose the virtual private cloud (VPC) that defines the virtual networking environment for this database. Only VPCs with a corresponding DB subnet group are listed.
By using the Amazon VPC service, you can launch AWS resources, such as Amazon RDS DB instances and Aurora DB clusters, into a VPC. When you use a VPC, you have control over your virtual networking environment. You can choose your own IP address range, create subnets, and configure routing and access control lists.
When you set up a connection to a compute resource, the VPC is set to the VPC associated with the compute resource. You can't
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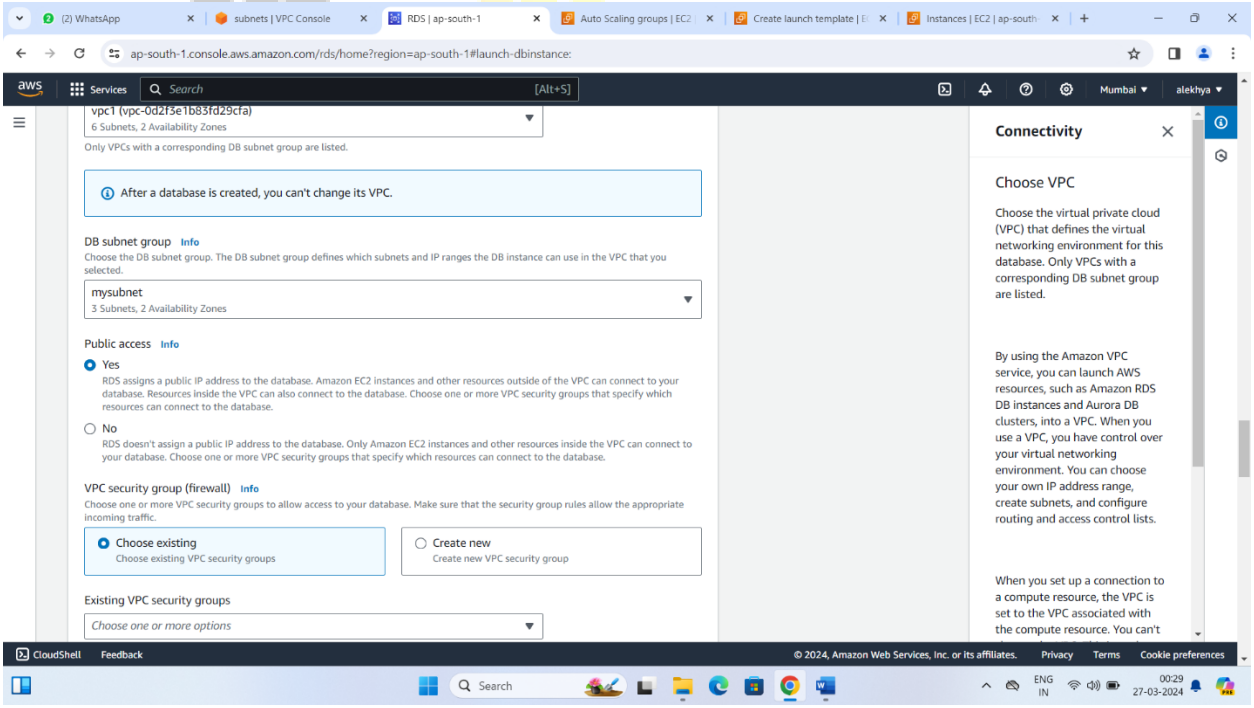
(2) WhatsApp
subnets | VPC Console
RDS | ap-south-1
Auto Scaling groups | EC2
Create launch template | E
Instances | EC2 | ap-south
ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#launch-dbinstance:
aws
Services
Search
[Alt+S]
Mumbai
alekhya
vpc1 (vpc-0d2f3e1b83fd29cfa)
6 Subnets, 2 Availability Zones
Only VPCs with a corresponding DB subnet group are listed.
After a database is created, you can't change its VPC.
DB subnet group Info
Choose the DB subnet group. The DB subnet group defines which subnets and IP ranges the DB instance can use in the VPC that you selected.
mysubnet
3 Subnets, 2 Availability Zones
Public access Info
Yes
RDS assigns a public IP address to the database. Amazon EC2 instances and other resources outside of the VPC can connect to your database. Resources inside the VPC can also connect to the database. Choose one or more VPC security groups that specify which resources can connect to the database.
No
RDS doesn't assign a public IP address to the database. Only Amazon EC2 instances and other resources inside the VPC can connect to your database. Choose one or more VPC security groups that specify which resources can connect to the database.
VPC security group (firewall) Info
Choose one or more VPC security groups to allow access to your database. Make sure that the security group rules allow the appropriate incoming traffic.
Choose existing
Choose existing VPC security groups
Create new
Create new VPC security group
Existing VPC security groups
Choose one or more options
Connectivity
Choose VPC
Choose the virtual private cloud (VPC) that defines the virtual networking environment for this database. Only VPCs with a corresponding DB subnet group are listed.
By using the Amazon VPC service, you can launch AWS resources, such as Amazon RDS DB instances and Aurora DB clusters, into a VPC. When you use a VPC, you have control over your virtual networking environment. You can choose your own IP address range, create subnets, and configure routing and access control lists.
When you set up a connection to a compute resource, the VPC is set to the VPC associated with the compute resource. You can't
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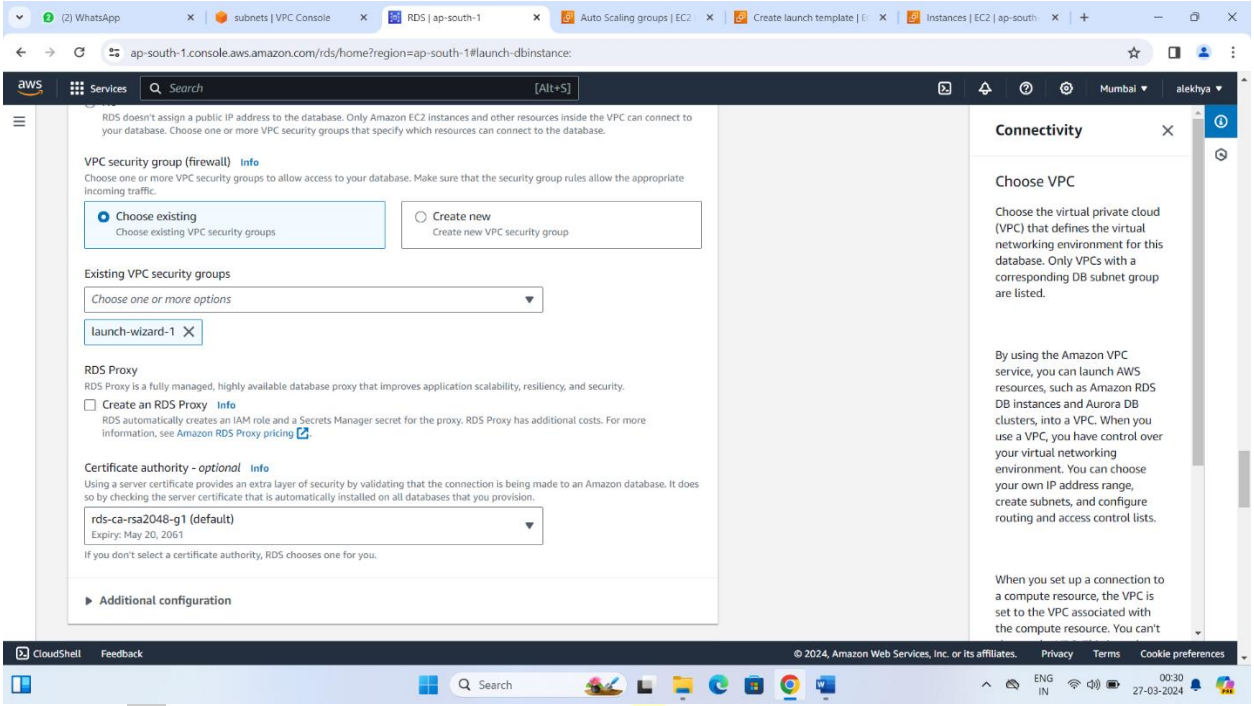
ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#launch-dbinstance:
RDS doesn't assign a public IP address to the database. Only Amazon EC2 instances and other resources inside the VPC can connect to your database. Choose one or more VPC security groups that specify which resources can connect to the database.
VPC security group (firewall) Info
Choose one or more VPC security groups to allow access to your database. Make sure that the security group rules allow the appropriate incoming traffic.
Choose existing
Choose existing VPC security groups
Create new
Create new VPC security group
Existing VPC security groups
Choose one or more options
launch-wizard-1
RDS Proxy
RDS Proxy is a fully managed, highly available database proxy that improves application scalability, resiliency, and security.
Create an RDS Proxy Info
RDS automatically creates an IAM role and a Secrets Manager secret for the proxy. RDS Proxy has additional costs. For more information, see Amazon RDS Proxy pricing.
Certificate authority - optional Info
Using a server certificate provides an extra layer of security by validating that the connection is being made to an Amazon database. It does so by checking the server certificate that is automatically installed on all databases that you provision.
rds-ca-rsa2048-g1 (default)
Expiry: May 20, 2061
If you don't select a certificate authority, RDS chooses one for you.
Additional configuration
Connectivity
Choose VPC
Choose the virtual private cloud (VPC) that defines the virtual networking environment for this database. Only VPCs with a corresponding DB subnet group are listed.
By using the Amazon VPC service, you can launch AWS resources, such as Amazon RDS DB instances and Aurora DB clusters, into a VPC. When you use a VPC, you have control over your virtual networking environment. You can choose your own IP address range, create subnets, and configure routing and access control lists.
When you set up a connection to a compute resource, the VPC is set to the VPC associated with the compute resource. You can't
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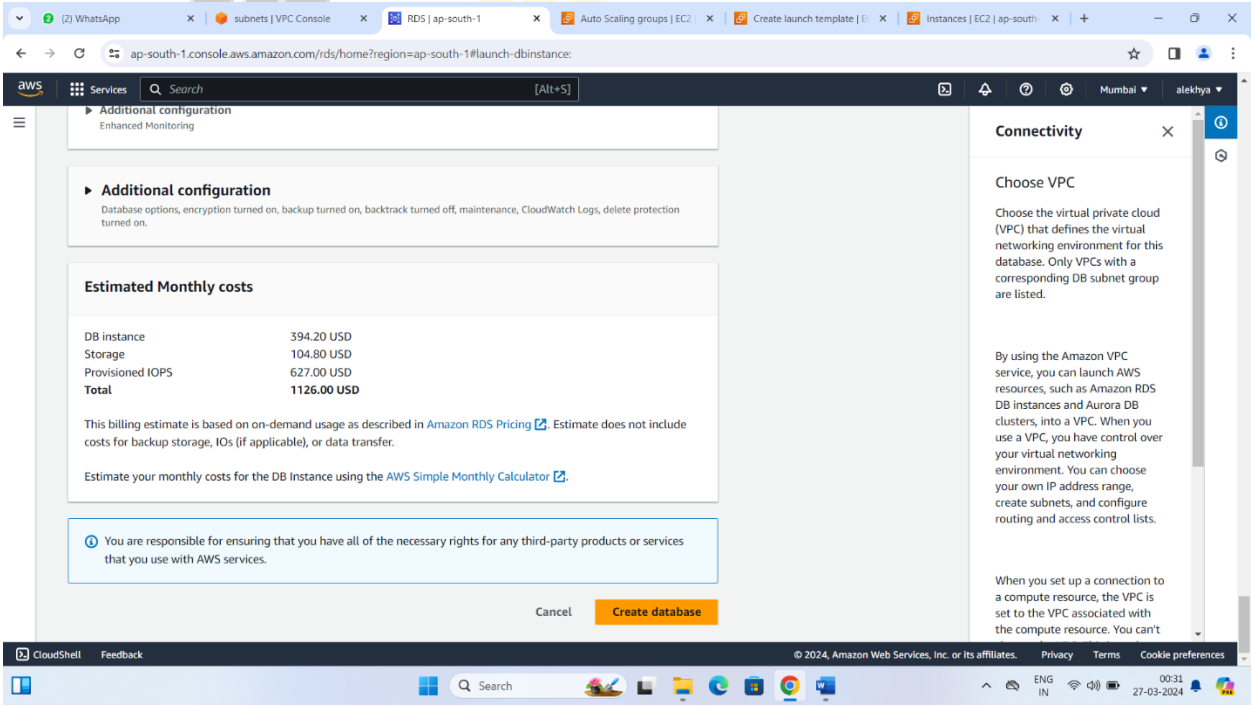
ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#launch-dbinstance:
Additional configuration
Enhanced Monitoring
Additional configuration
Database options, encryption turned on, backup turned on, backtrack turned off, maintenance, CloudWatch Logs, delete protection turned on.
Estimated Monthly costs
DB instance 394.20 USD
Storage 104.80 USD
Provisioned IOPS 627.00 USD
Total 1126.00 USD
This billing estimate is based on on-demand usage as described in Amazon RDS Pricing. Estimate does not include costs for backup storage, IOs (if applicable), or data transfer.
Estimate your monthly costs for the DB Instance using the AWS Simple Monthly Calculator.
You are responsible for ensuring that you have all of the necessary rights for any third-party products or services that you use with AWS services.
Cancel
Create database
Connectivity
Choose VPC
Choose the virtual private cloud (VPC) that defines the virtual networking environment for this database. Only VPCs with a corresponding DB subnet group are listed.
By using the Amazon VPC service, you can launch AWS resources, such as Amazon RDS DB instances and Aurora DB clusters, into a VPC. When you use a VPC, you have control over your virtual networking environment. You can choose your own IP address range, create subnets, and configure routing and access control lists.
When you set up a connection to a compute resource, the VPC is set to the VPC associated with the compute resource. You can't
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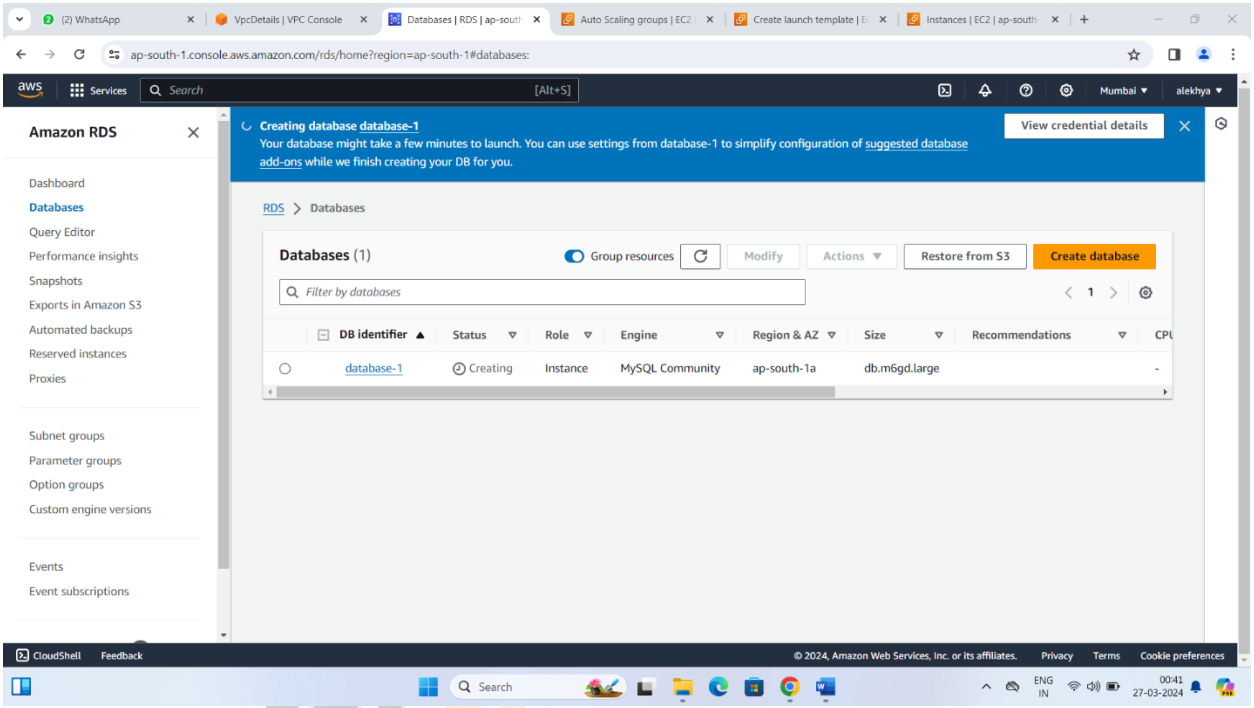
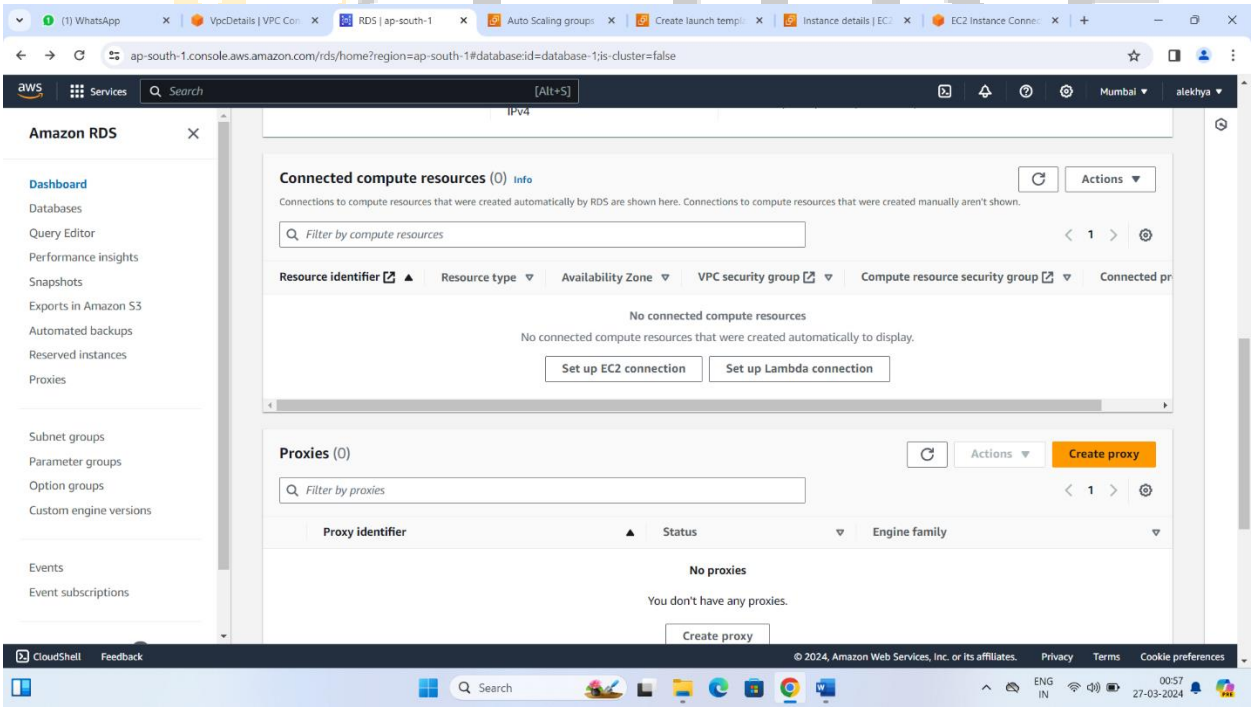
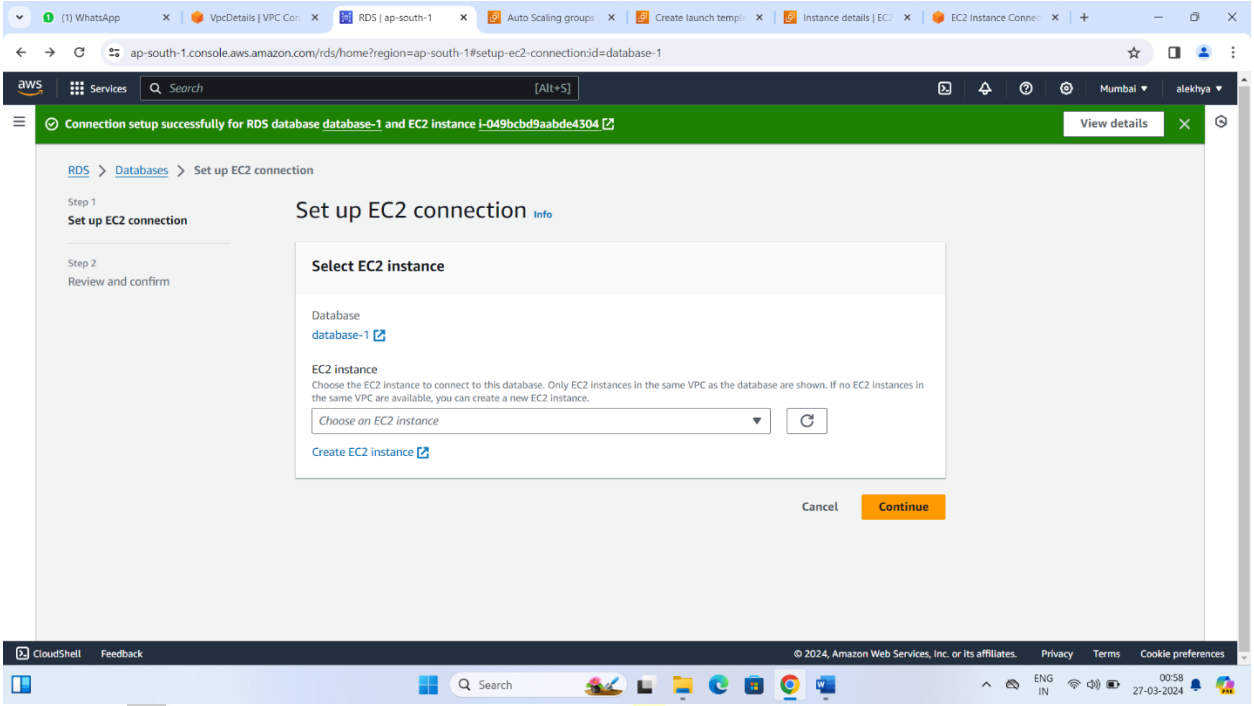
- Now click on database then set up ec2 connection
- Click on set up ec2 connection and select ec2 instance click on next
- Then click on set up






ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#setup-ec2-connection:id=database-1
Connection setup successfully for RDS database database-1 and EC2 instance i-049bcbd9aabde4304
View details
RDS > Databases > Set up EC2 connection
Step 1
Set up EC2 connection
Step 2
Review and confirm
Set up EC2 connection Info
Select EC2 instance
Database
database-1
EC2 instance
Choose the EC2 instance to connect to this database. Only EC2 instances in the same VPC as the database are shown. If no EC2 instances in the same VPC are available, you can create a new EC2 instance.
Choose an EC2 instance
Create EC2 instance
Cancel
Continue
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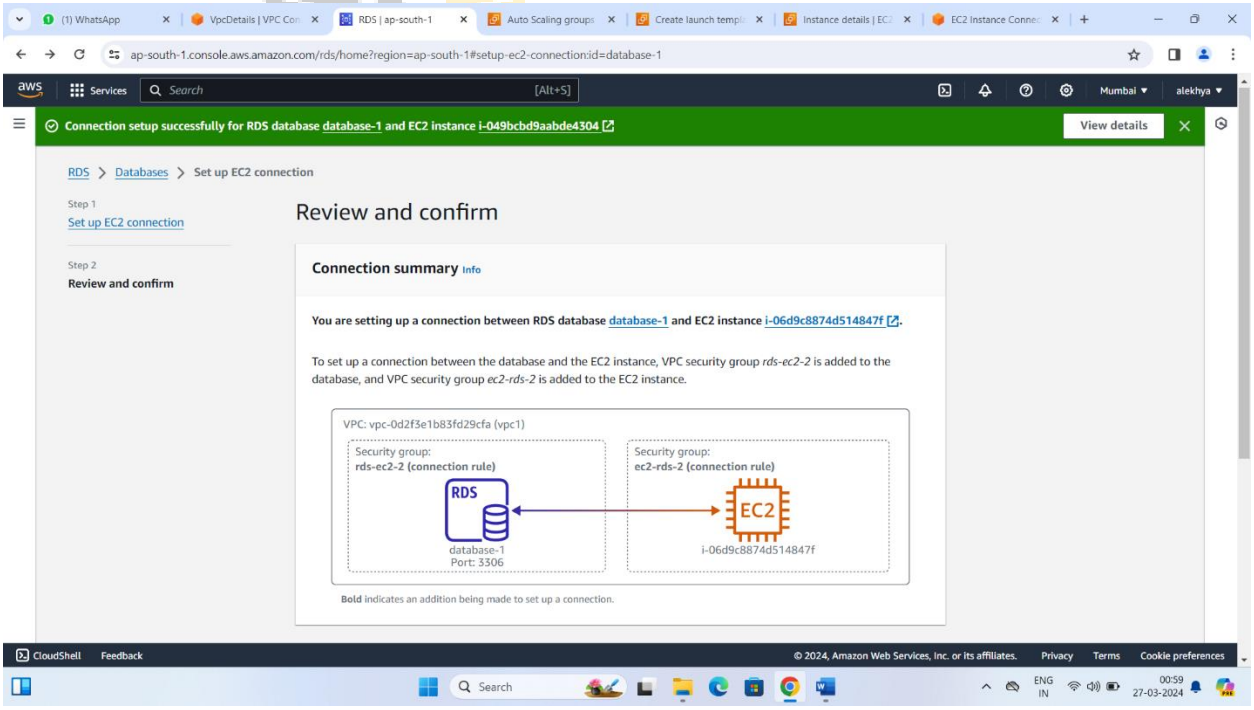
ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#setup-ec2-connection:id=database-1
Connection setup successfully for RDS database database-1 and EC2 instance i-049bcbd9aabde4304
View details
RDS > Databases > Set up EC2 connection
Step 1
Set up EC2 connection
Step 2
Review and confirm
Review and confirm
Connection summary Info
You are setting up a connection between RDS database database-1 and EC2 instance i-06d9c8874d514847f.
To set up a connection between the database and the EC2 instance, VPC security group rds-ec2-2 is added to the database, and VPC security group ec2-rds-2 is added to the EC2 instance.
VPC: vpc-0d2f3e1b83fd29cfa (vpc1)
Security group:
rds-ec2-2 (connection rule)
RDS
database-1
Port: 3306
Security group:
ec2-rds-2 (connection rule)
EC2
i-06d9c8874d514847f
Bold indicates an addition being made to set up a connection.
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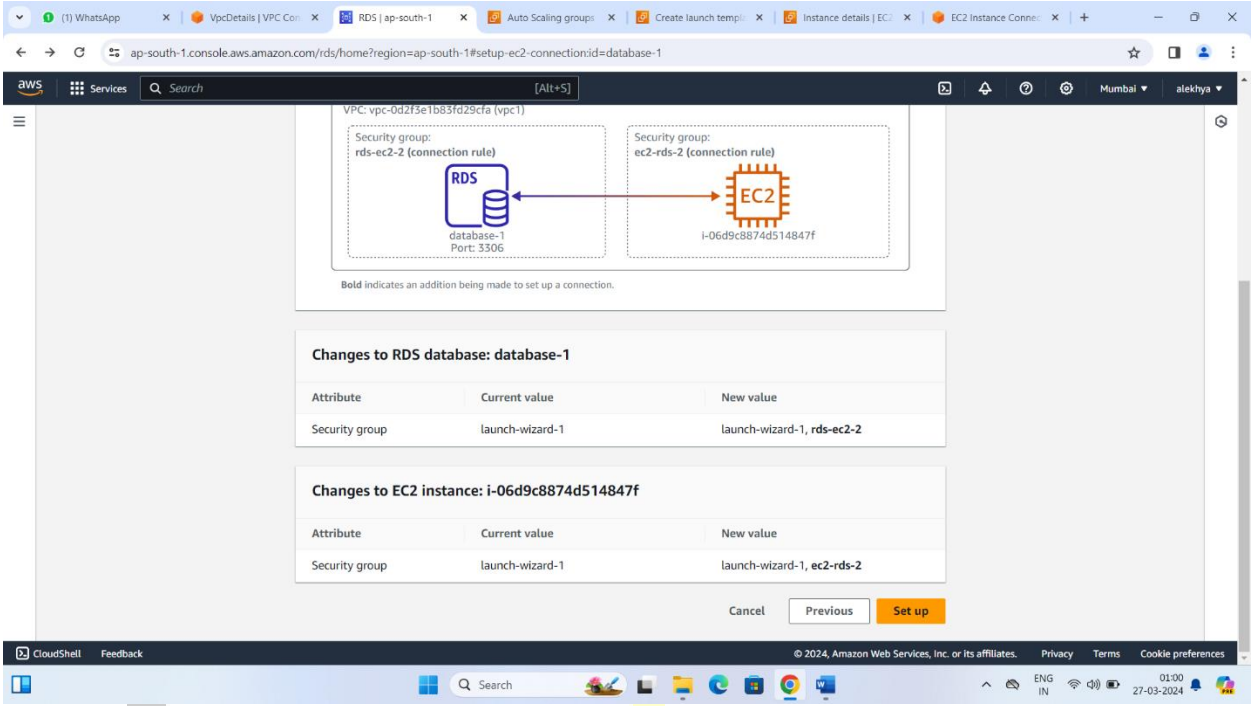
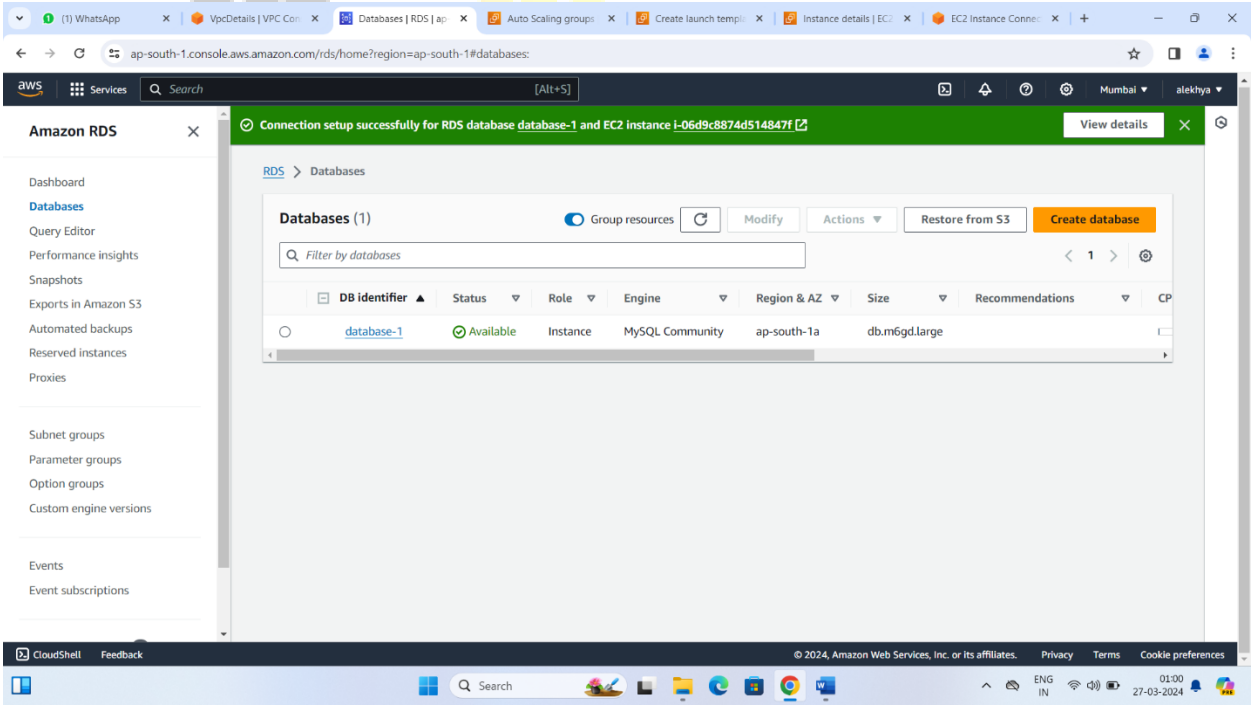
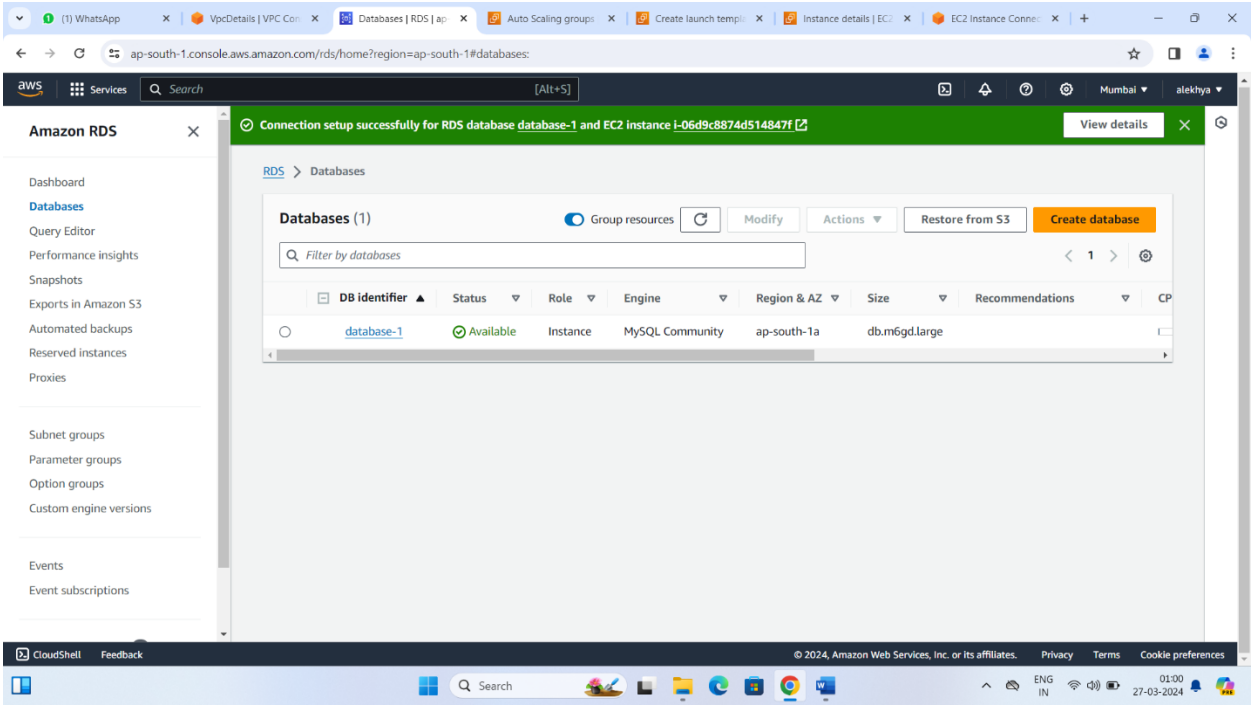

ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#setup-ec2-connection:id=database-1
VPC: vpc-0d2f3e1b83fd29cfa (vpc1)
Security group:
rds-ec2-2 (connection rule)
RDS
database-1
Port: 3306
Security group:
ec2-rds-2 (connection rule)
EC2
i-06d9c8874d514847f
Bold indicates an addition being made to set up a connection.
Changes to RDS database: database-1
Attribute
Current value
New value
Security group
launch-wizard-1
launch-wizard-1, rds-ec2-2
Changes to EC2 instance: i-06d9c8874d514847f
Attribute
Current value
New value
Security group
launch-wizard-1
launch-wizard-1, ec2-rds-2
Cancel
Previous
Set up


ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#databases:
Amazon RDS
Dashboard
Databases
Query Editor
Performance insights
Snapshots
Exports in Amazon S3
Automated backups
Reserved instances
Proxies
Subnet groups
Parameter groups
Option groups
Custom engine versions
Events
Event subscriptions
Connection setup successfully for RDS database database-1 and EC2 instance i-06d9c8874d514847f
View details
RDS > Databases
Databases (1)
Group resources
Modify
Actions
Restore from S3
Create database
Filter by databases
DB identifier
Status
Role
Engine
Region & AZ
Size
Recommendations
database-1
Available
Instance
MySQL Community
ap-south-1a
db.m6gd.large



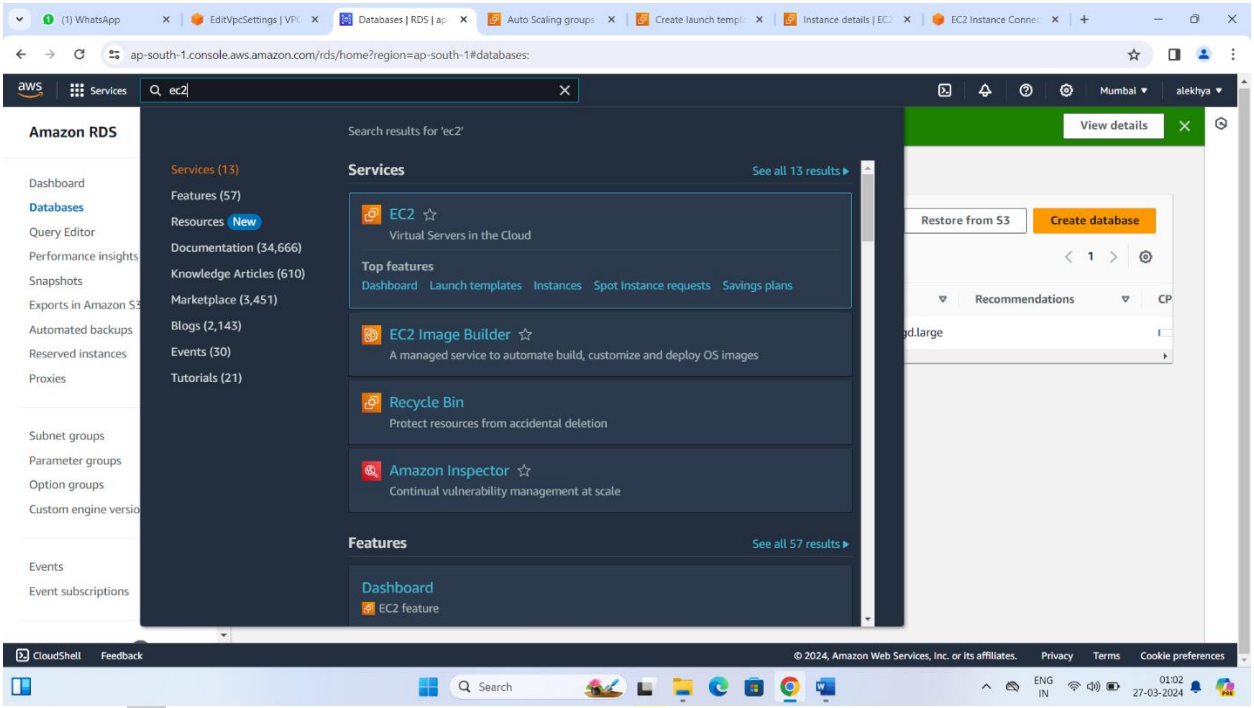
After Creating database go to ec2 instance then connect

Install mysql-server command is

sudo apt update –y

sudo apt install mysql-server

mysql –h <endpoint> -u <username> -p


ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#databases:
Amazon RDS
Dashboard
Databases
Query Editor
Performance insights
Snapshots
Exports in Amazon S3
Automated backups
Reserved instances
Proxies
Subnet groups
Parameter groups
Option groups
Events
Event subscriptions
ec2
Search results for 'ec2'
Services (13)
Features (57)
Resources New
Documentation (34,666)
Knowledge Articles (610)
Marketplace (3,451)
Blogs (2,143)
Events (30)
Tutorials (21)
Services
See all 13 results
EC2
Virtual Servers in the Cloud
Top features
Dashboard Launch templates Instances Spot Instance requests Savings plans
EC2 Image Builder
A managed service to automate build, customize and deploy OS images
Recycle Bin
Protect resources from accidental deletion
Amazon Inspector
Continual vulnerability management at scale
Features
See all 57 results
Dashboard
EC2 feature
View details
Restore from S3
Create database
Recommendations
CloudShell
Feedback
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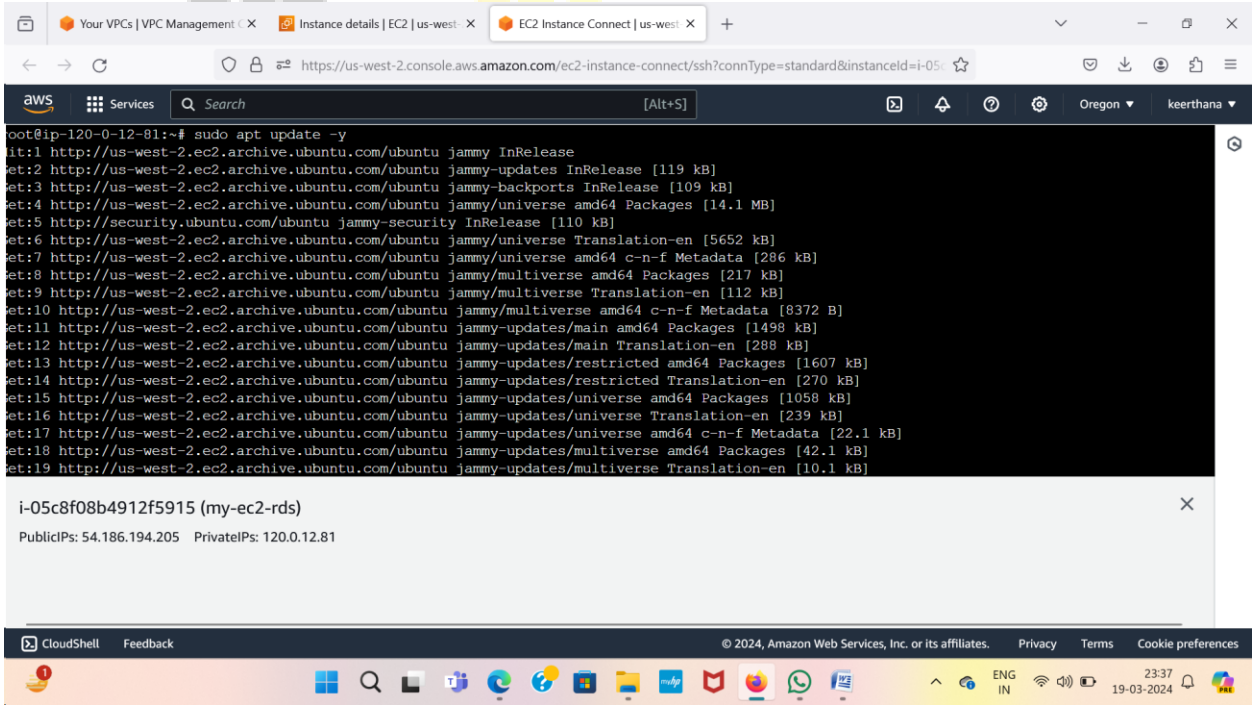
https://us-west-2.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-05
root@ip-120-0-12-81:~# sudo apt update -y
Hit:1 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:3 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]
Get:4 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]
Get:5 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:6 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy/universe Translation-en [5652 kB]
Get:7 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:8 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 Packages [217 kB]
Get:9 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy/multiverse Translation-en [112 kB]
Get:10 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy/multiverse amd64 c-n-f Metadata [8372 B]
Get:11 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1498 kB]
Get:12 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [288 kB]
Get:13 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [1607 kB]
Get:14 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [270 kB]
Get:15 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1058 kB]
Get:16 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [239 kB]
Get:17 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 c-n-f Metadata [22.1 kB]
Get:18 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [42.1 kB]
Get:19 http://us-west-2.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse Translation-en [10.1 kB]
i-05c8f08b4912f5915 (my-ec2-rds)
PublicIPs: 54.186.194.205 PrivateIPs: 120.0.12.81
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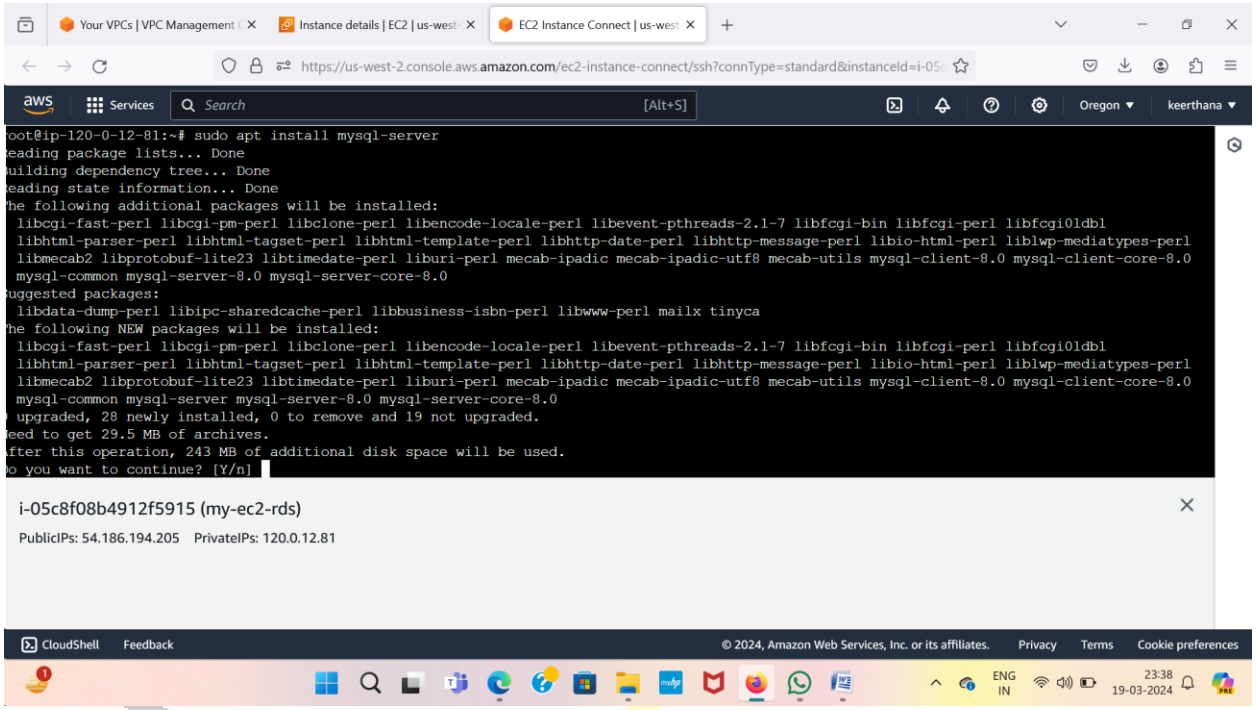
Your VPCs | VPC Management
Instance details | EC2 | us-west-
EC2 Instance Connect | us-west
https://us-west-2.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-05
Services
Search
[Alt+S]
Oregon
keerthana
root@ip-120-0-12-81:~# sudo apt install mysql-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
libcgi-fast-perl libcgi-pm-perl libclone-perl libencode-locale-perl libevent-pthreads-2.1-7 libfcgi-bin libfcgi-perl libfcgi0ldbl
libhtml-parser-perl libhtml-tagset-perl libhtml-template-perl libhttp-date-perl libhttp-message-perl libio-html-perl liblwp-mediatypes-perl
libmecab2 libprotobuf-lite23 libtimedate-perl liburi-perl mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-client-8.0 mysql-client-core-8.0
mysql-common mysql-server-8.0 mysql-server-core-8.0
Suggested packages:
libdata-dump-perl libipc-sharedcache-perl libbusiness-isbn-perl libwww-perl mailx tinyca
The following NEW packages will be installed:
libcgi-fast-perl libcgi-pm-perl libclone-perl libencode-locale-perl libevent-pthreads-2.1-7 libfcgi-bin libfcgi-perl libfcgi0ldbl
libhtml-parser-perl libhtml-tagset-perl libhtml-template-perl libhttp-date-perl libhttp-message-perl libio-html-perl liblwp-mediatypes-perl
libmecab2 libprotobuf-lite23 libtimedate-perl liburi-perl mecab-ipadic mecab-ipadic-utf8 mecab-utils mysql-client-8.0 mysql-client-core-8.0
mysql-common mysql-server mysql-server-8.0 mysql-server-core-8.0
upgraded, 28 newly installed, 0 to remove and 19 not upgraded.
Need to get 29.5 MB of archives.
After this operation, 243 MB of additional disk space will be used.
Do you want to continue? [Y/n]
i-05c8f08b4912f5915 (my-ec2-rds)
PublicIPs: 54.186.194.205 PrivateIPs: 120.0.12.81
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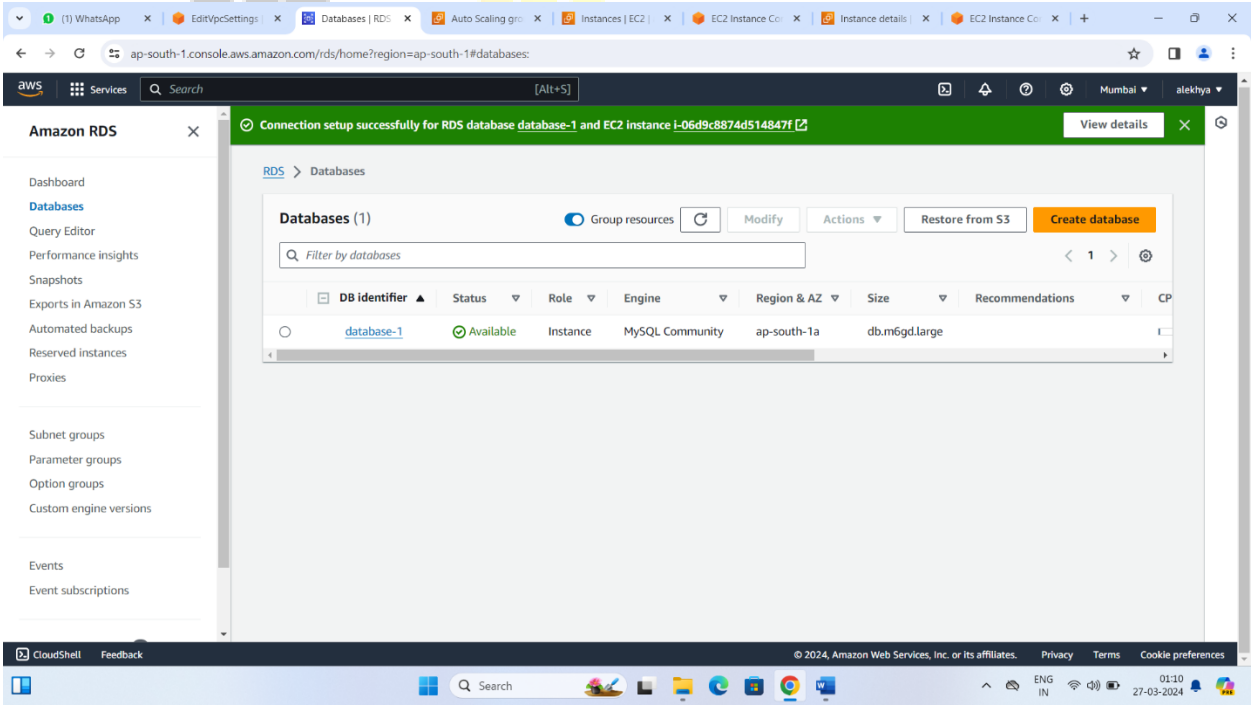
IN
23:38
19-03-2024


(1) WhatsApp
EditVpcSettings
Databases | RDS
Auto Scaling gro
Instances | EC2
EC2 Instance Co
Instance details
EC2 Instance Co
ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#databases:
Services
Search
[Alt+S]
Mumbai
alekhya
Amazon RDS
Dashboard
Databases
Query Editor
Performance insights
Snapshots
Exports in Amazon S3
Automated backups
Reserved instances
Proxies
Subnet groups
Parameter groups
Option groups
Custom engine versions
Events
Event subscriptions
Connection setup successfully for RDS database database-1 and EC2 instance i-06d9c8874d514847f
View details
RDS > Databases
Databases (1)
Group resources
Modify
Actions
Restore from S3
Create database
Filter by databases
DB identifier
Status
Role
Engine
Region & AZ
Size
Recommendations
database-1
Available
Instance
MySQL Community
ap-south-1a
db.m6gd.large
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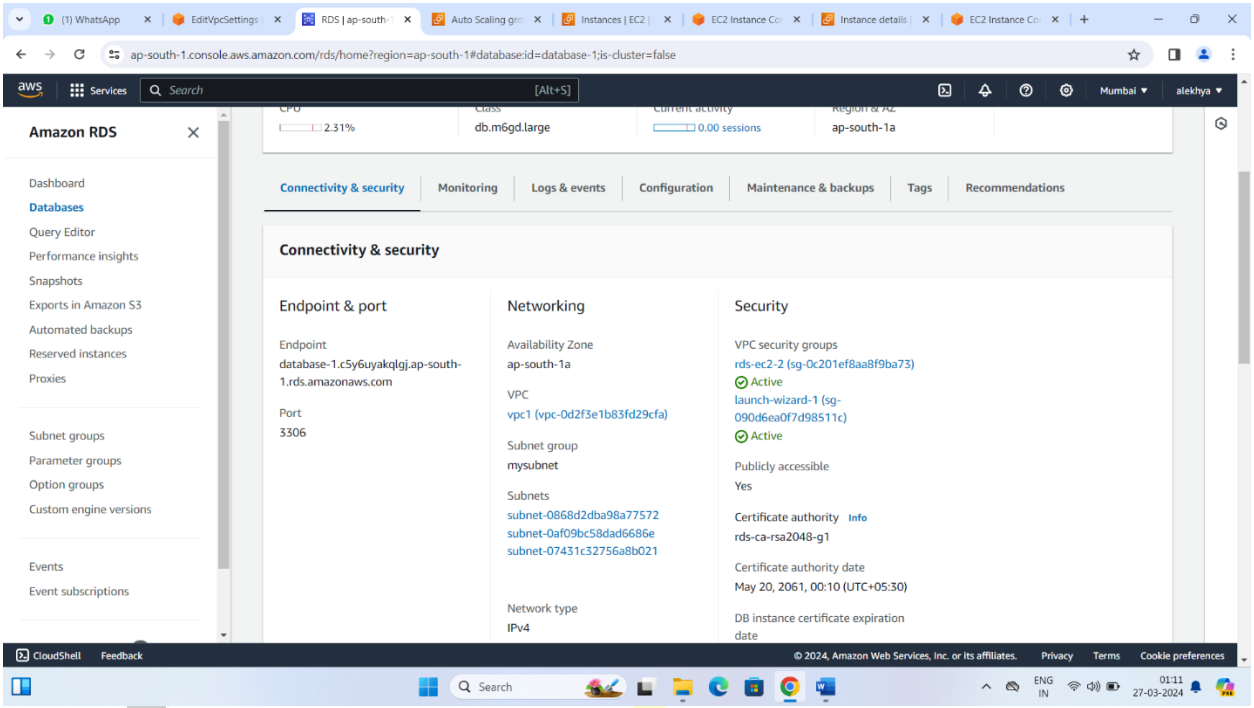
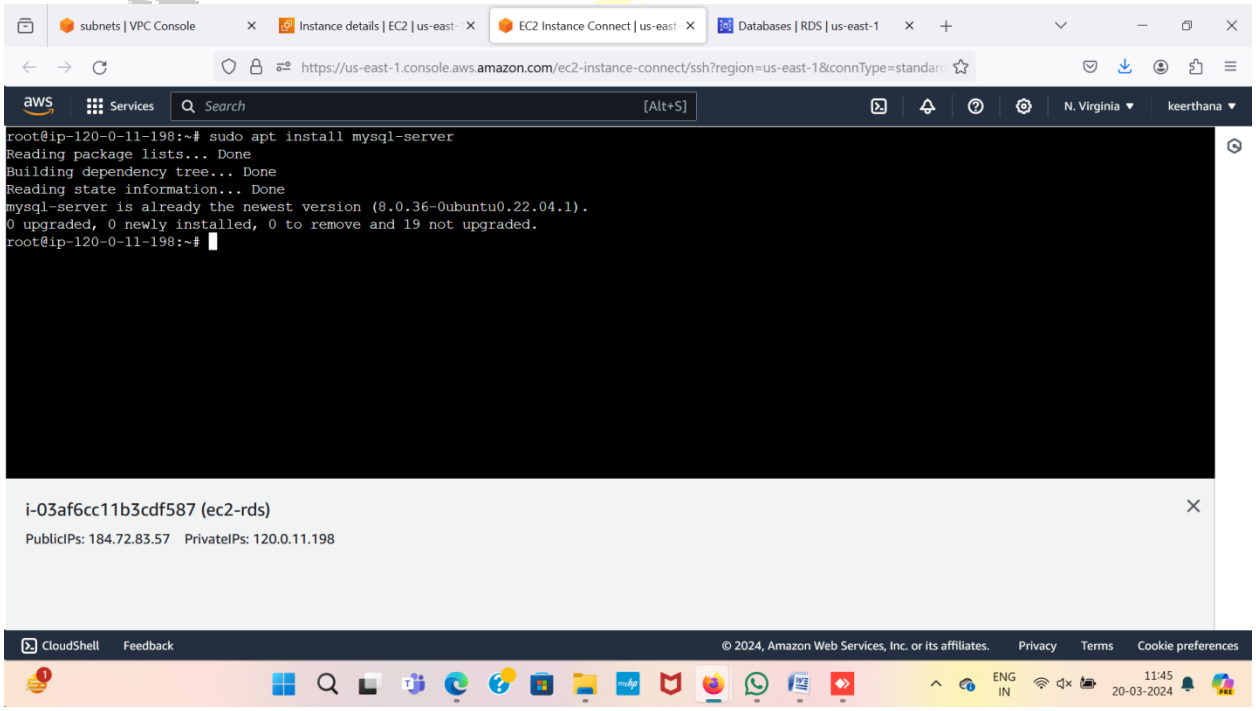
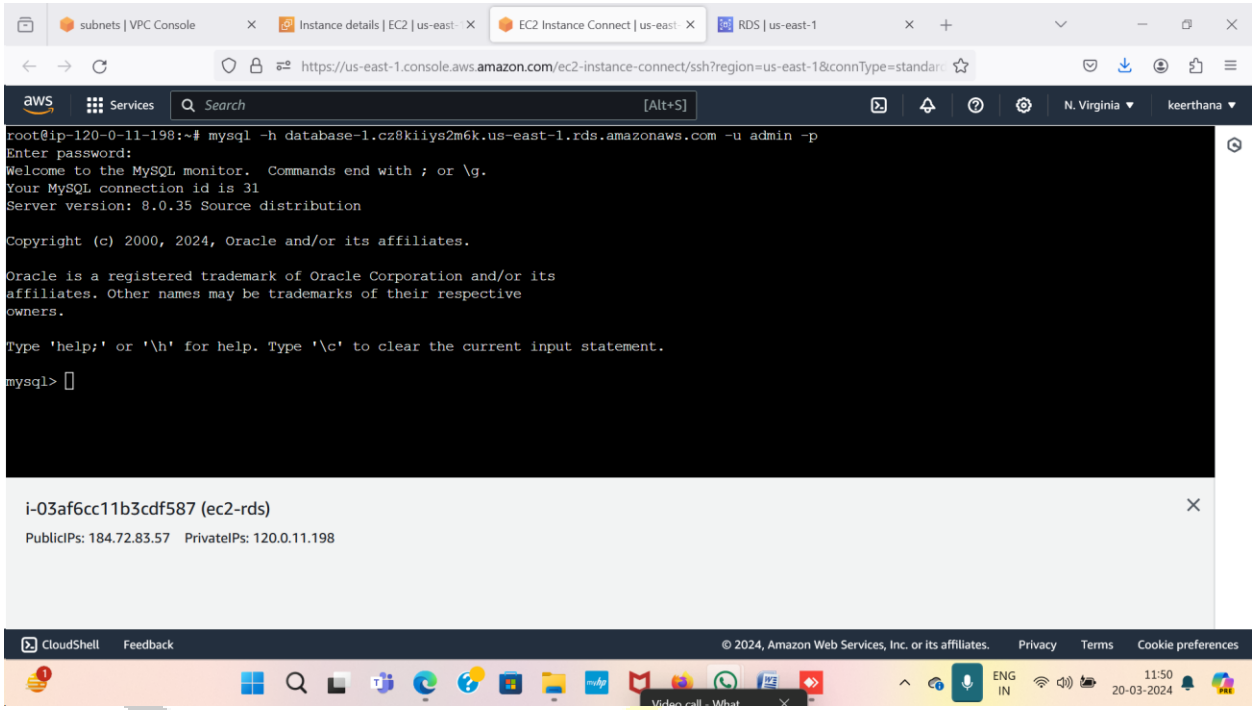
27-03-2024





- Now we cen see databse connected to mysql server



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