VPC Management Console | Prarthana203/aws-services

ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#VpcDetails:VpcId=vpc-09276c4b76b77fd56

aws | Services | Search [Alt+S] | Mumbai | PrarthanaSingh @ 2222-0717-4561

VPC dashboard

EC2 Global View New

Filter by VPC:

Select a VPC

- Virtual private cloud
  - Your VPCs New
  - Subnets
  - Route tables
  - Internet gateways
  - Egress-only internet gateways
  - DHCP option sets
  - Elastic IPs
  - Managed prefix lists
  - Endpoints
  - Endpoint services
  - NAT gateways
  - Peering connections
- Security
  - Network ACLs
  - Security groups

You successfully created vpc-09276c4b76b77fd56 / zipublicvpc11

VPC > Your VPCs > vpc-09276c4b76b77fd56

vpc-09276c4b76b77fd56 / zipublicvpc11

Actions

Details Info

VPC ID vpc-09276c4b76b77fd56	State Available	DNS hostnames Disabled	DNS resolution Enabled
Tenancy Default	DHCP option set dopt-0d2b9c199111a7a20	Main route table rtb-0cadfd75e0db0a8cc	Main network ACL acl-03b95785f41165d52
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 222207174561	

Resource map New | CIDRs | Flow logs | Tags

Resource map Info

VPC Show details
Your AWS virtual network

Subnets (0)
Subnets within this VPC

Route tables (1)
Route network traffic to resources

CloudShell | Feedback | Language

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Search

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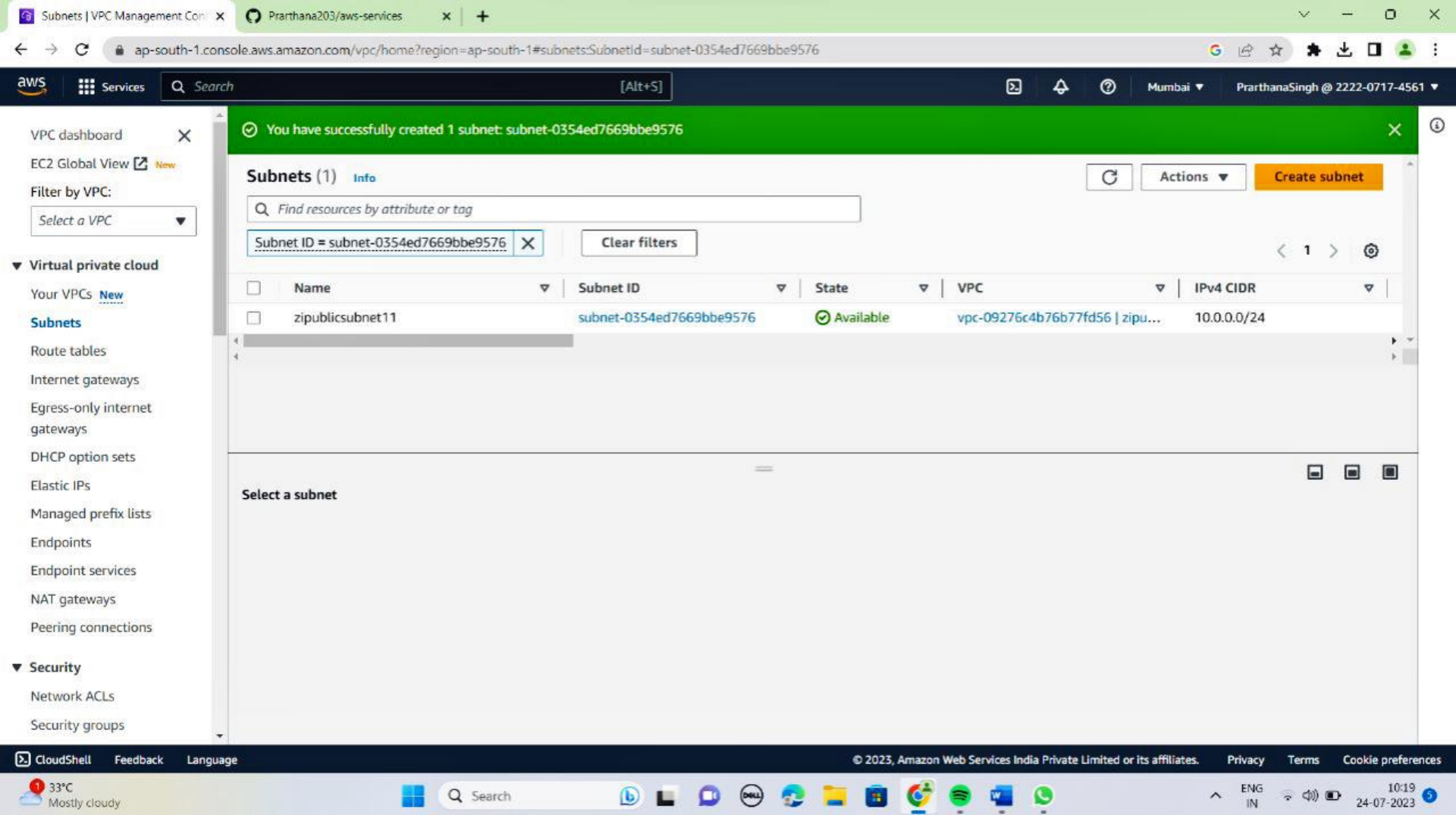
10:16 24-07-2023


Subnets | VPC Management Con
Prarthana203/aws-services
ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#subnets:SubnetId=subnet-0354ed7669bbe9576
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You have successfully created 1 subnet: subnet-0354ed7669bbe9576
Subnets (1)
Info
Actions
Create subnet
Find resources by attribute or tag
Subnet ID = subnet-0354ed7669bbe9576
Clear filters
1
Name
Subnet ID
State
VPC
IPv4 CIDR
zipublicsubnet11
subnet-0354ed7669bbe9576
Available
vpc-09276c4b76b77fd56 | zipu...
10.0.0.0/24
Select a subnet
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24-07-2023

Edit subnet settings Info

Subnet

Subnet ID	Name
subnet-0354ed7669bbe9576	zipublicsubnet11

Auto-assign IP settings Info

Enable the auto-assign IP settings to automatically request a public IPv4 or IPv6 address for a new network interface in this subnet.

- [x] Enable auto-assign public IPv4 address Info
- [ ] Enable auto-assign customer-owned IPv4 address Info
  Option disabled because no customer owned pools found.

Resource-based name (RBN) settings Info

Specify the hostname type for EC2 instances in this subnet and optional RBN DNS query settings.

- [ ] Enable resource name DNS A record on launch Info
- [ ] Enable resource name DNS AAAA record on launch Info

Hostname type Info

- ( ) Resource name

VPC Management Console | Prarthana203/aws-services

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

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Subnet 1 of 1

Subnet name

Create a tag with a key of 'Name' and a value that you specify.

ziprivatesubnet11

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.

No preference

IPv4 CIDR block Info

10.0.1.0/24

▼ Tags - *optional*

Key	Value - *optional*	
Name	ziprivatesubnet11	Remove

Add new tag

You can add 49 more tags.

Remove

Add new subnet

Cancel | Create subnet

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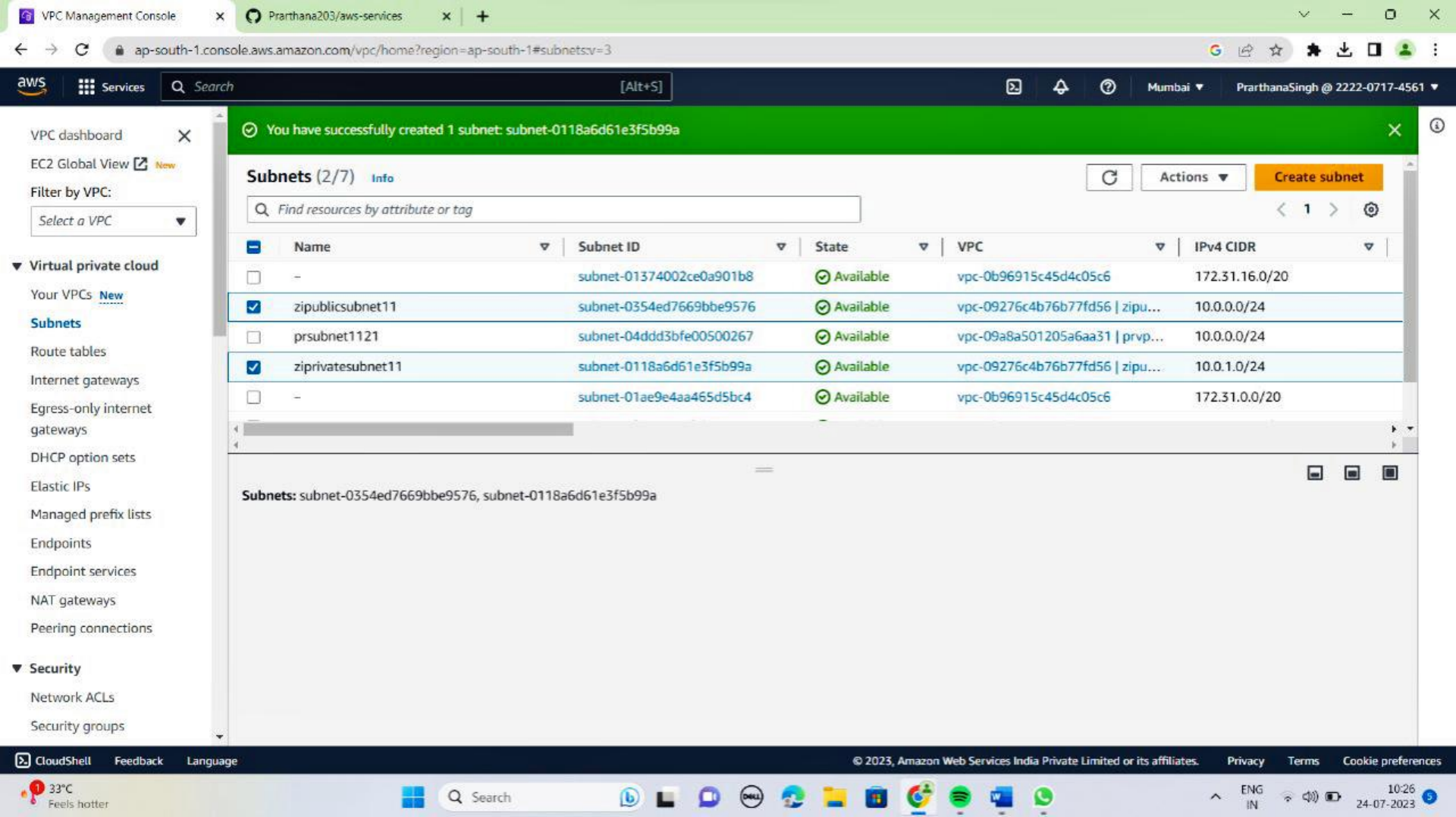
10:25 24-07-2023


VPC Management Console
Prarthana203/aws-services
ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#subnets:v=3
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NAT gateways
Peering connections
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Network ACLs
Security groups
You have successfully created 1 subnet: subnet-0118a6d61e3f5b99a
Subnets (2/7)
Info
Actions
Create subnet
Find resources by attribute or tag
1
Name
Subnet ID
State
VPC
IPv4 CIDR
- subnet-01374002ce0a901b8 Available vpc-0b96915c45d4c05c6 172.31.16.0/20
zipublicsubnet11 subnet-0354ed7669bbe9576 Available vpc-09276c4b76b77fd56 | zipu... 10.0.0.0/24
prsubnet1121 subnet-04ddd3bfe00500267 Available vpc-09a8a501205a6aa31 | prvp... 10.0.0.0/24
ziprivatesubnet11 subnet-0118a6d61e3f5b99a Available vpc-09276c4b76b77fd56 | zipu... 10.0.1.0/24
- subnet-01ae9e4aa465d5bc4 Available vpc-0b96915c45d4c05c6 172.31.0.0/20
Subnets: subnet-0354ed7669bbe9576, subnet-0118a6d61e3f5b99a
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Security
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Security groups

The following internet gateway was created: igw-0ad38c1400f86c191 - ziinternetgateway11. You can now attach to a VPC to enable the VPC to communicate with the internet.

Attach to a VPC

VPC > Internet gateways > igw-0ad38c1400f86c191

igw-0ad38c1400f86c191 / ziinternetgateway11

Actions

Details Info

Internet gateway ID	State	VPC ID	Owner
igw-0ad38c1400f86c191	Detached	-	222207174561

Tags

Manage tags

Search tags

1

Key	Value
Name	ziinternetgateway11

VPC dashboard
EC2 Global View New
Filter by VPC:
Select a VPC
Virtual private cloud
Your VPCs New
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DHCP option sets
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Managed prefix lists
Endpoints
Endpoint services
NAT gateways
Peering connections
Security
Network ACLs
Security groups

Route table rtb-0b2f5dc54d3bb6559 | zipublicroute11 was created successfully.

VPC > Route tables > rtb-0b2f5dc54d3bb6559

rtb-0b2f5dc54d3bb6559 / zipublicroute11

Actions

You can now check network connectivity with Reachability Analyzer | Run Reachability Analyzer

Details Info

Route table ID	Main	Explicit subnet associations	Edge associations
rtb-0b2f5dc54d3bb6559	No	-	-

VPC	Owner ID
vpc-09276c4b76b77fd56 | zipublicvpc11	222207174561

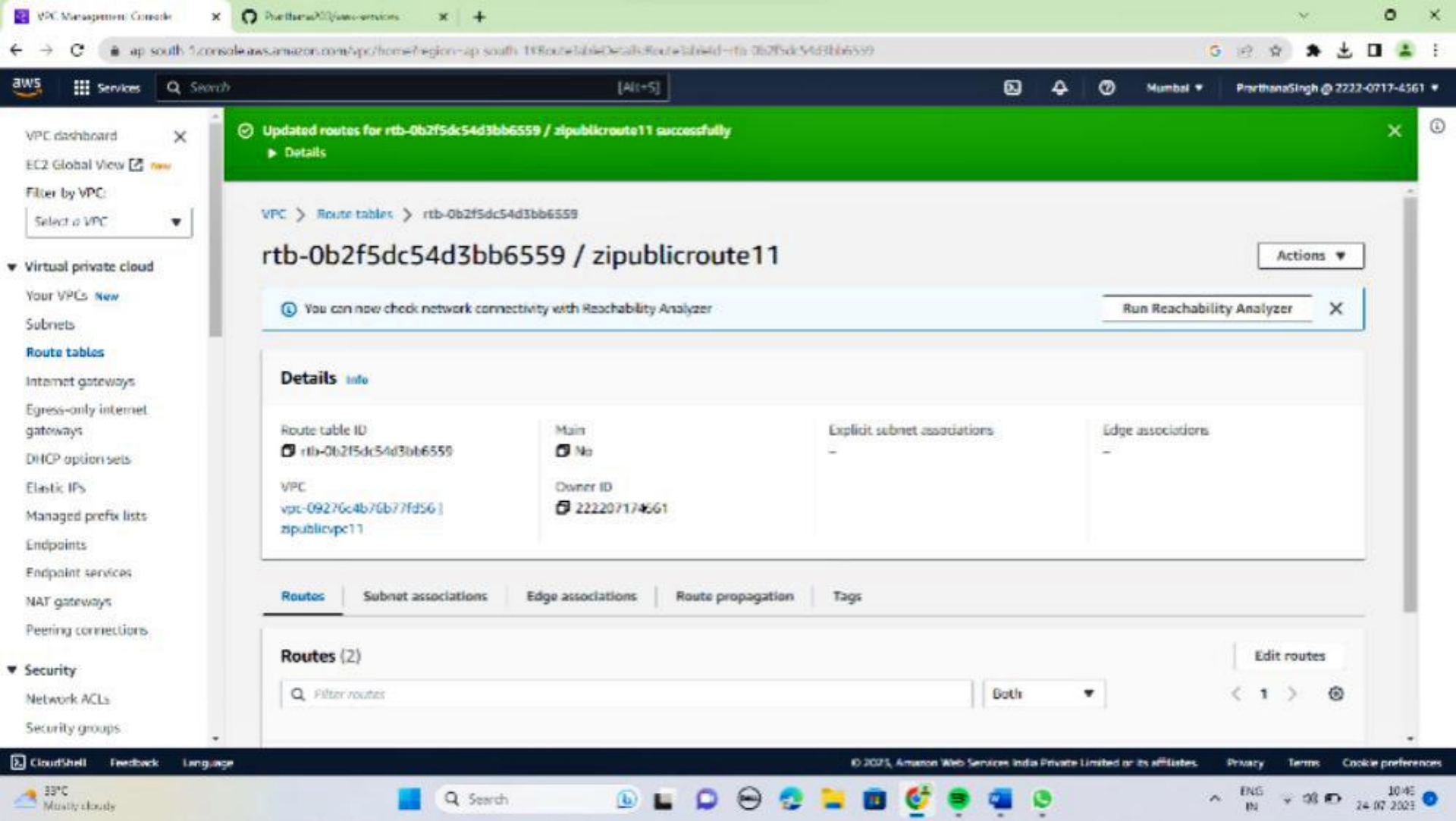
Routes | Subnet associations | Edge associations | Route propagation | Tags

Routes (1)

Edit routes

Filter routes | Both | 1

Destination	Target	Status	Propagated


Updated routes for rtb-0b2f5dc54d3bb6559 / zipublicroute11 successfully
Details
VPC > Route tables > rtb-0b2f5dc54d3bb6559
rtb-0b2f5dc54d3bb6559 / zipublicroute11
Actions
You can now check network connectivity with Reachability Analyzer
Run Reachability Analyzer
Details Info
Route table ID
rtb-0b2f5dc54d3bb6559
Main
No
Explicit subnet associations
-
Edge associations
-
VPC
vpc-0927dc4b7db77fd56 | zipublicvpc11
Owner ID
222207174661
Routes
Subnet associations
Edge associations
Route propagation
Tags
Routes (2)
Edit routes
Filter routes
Both
1
Virtual private cloud
Your VPCs New
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VPC Management Console | Prarthana203/aws-services

ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#EditRouteTableSubnetAssociations:RouteTableId=rtb-0b2f5dc54d3bb6559

aws | Services | Search [Alt+S] | Mumbai | PrarthanaSingh @ 2222-0717-4561

VPC > Route tables > rtb-0b2f5dc54d3bb6559 > Edit subnet associations

Edit subnet associations

Change which subnets are associated with this route table.

Available subnets (1/2)

Filter subnet associations

1

	Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
☑	zipublicsubnet11	subnet-0354ed7669bbe9576	10.0.0.0/24	–	Main (rtb-0cadfd75e0db0a8cc)
☐	ziprivatesubnet11	subnet-0118a6d61e3f5b99a	10.0.1.0/24	–	Main (rtb-0cadfd75e0db0a8cc)

Selected subnets

subnet-0354ed7669bbe9576 / zipublicsubnet11 ✕

Cancel | Save associations

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Search

ENG IN 10:48 24-07-2023

VPC - *required* Info

vpc-09276c4b76b77fd56 (zipublicvpc11)
10.0.0.0/16

Subnet Info

subnet-0354ed7669bbe9576 zipublicsubnet11
VPC: vpc-09276c4b76b77fd56 Owner: 222207174561
Availability Zone: ap-south-1a IP addresses available: 251 CIDR: 10.0.0.0/24)

Create new subnet

Auto-assign public IP Info

Enable

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-111

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-111 created 2023-07-24T05:19:55.212Z

Inbound Security Group Rules

▼ Security group rule 1 (TCP, 22, 0.0.0.0/0) Remove

Type Info Protocol Info Port range Info

Summary

Number of instances Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.1.2...read more
ami-072ec8f4ea4a6f2cf

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

subnet-0118a6d61e3f5b99a ziprivatesubnet11
VPC: vpc-09276c4b76b77fd56 Owner: 222207174561
Availability Zone: ap-south-1a IP addresses available: 251 CIDR: 10.0.1.0/24)

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-112

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-112 created 2023-07-24T05:24:14.286Z

Inbound Security Group Rules

Security group rule 1 (TCP, 22, 0.0.0.0/0) Remove

Type Info	Protocol Info	Port range Info
ssh	TCP	22

Source type Info	Source Info	Description - *optional* Info
Custom	Add CIDR, prefix list or security	e.g. SSH for admin desktop

0.0.0.0/0

Summary

Number of instances Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.1.2...read more
ami-072ec8f4ea4a6f2cf

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

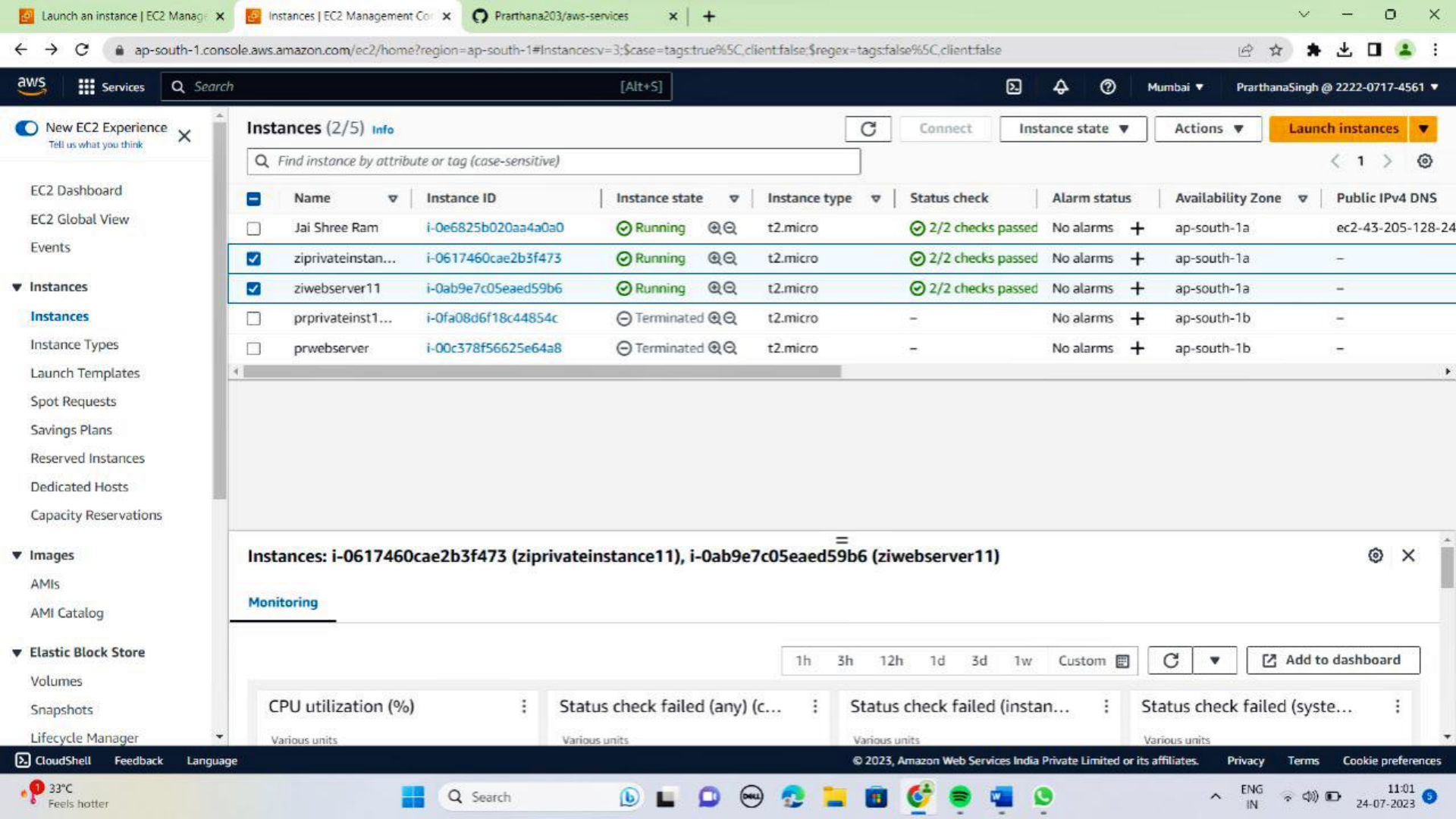
Storage (volumes)

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


Launch an instance | EC2 Manage
Instances | EC2 Management Co
Prarthana203/aws-services
ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#Instances:v=3;$case=tags:true%5C,client:false;$regex=tags:false%5C,client:false
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New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
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Instances
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Launch Templates
Spot Requests
Savings Plans
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Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 DNS
Jai Shree Ram
i-0e6825b020aa4a0a0
Running
t2.micro
2/2 checks passed
No alarms
ap-south-1a
ec2-43-205-128-24
ziprivateinstan...
i-0617460cae2b3f473
Running
t2.micro
2/2 checks passed
No alarms
ap-south-1a
ziwebserver11
i-0ab9e7c05eaed59b6
Running
t2.micro
2/2 checks passed
No alarms
ap-south-1a
prprivateinst1...
i-0fa08d6f18c44854c
Terminated
t2.micro
No alarms
ap-south-1b
prwebserver
i-00c378f56625e64a8
Terminated
t2.micro
No alarms
ap-south-1b
Instances: i-0617460cae2b3f473 (ziprivateinstance11), i-0ab9e7c05eaed59b6 (ziwebserver11)
Monitoring
1h
3h
12h
1d
3d
1w
Custom
Add to dashboard
CPU utilization (%)
Status check failed (any) (c...
Status check failed (instan...
Status check failed (syste...
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Update Permissions for the MyKey.pem

chmod 400 MyKey.pem

Use the Private IP address **10.0.1.45** to SSH.

ssh -i MyKey.pem ec2-user@10.0.1.45

You will see "Are you sure you want to continue connecting (yes/no)?" : Enter **yes**

```
[root@ip-10-0-0-18 ec2-user]# chmod 400 MyKey.pem
[root@ip-10-0-0-18 ec2-user]# ssh -i "MyKey.pem" ec2-user@10.0.1.45

       __|  __|_  )
       _|  (     /   Amazon Linux 2 AMI
      ___|\___|___|

https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-10-0-1-45 ~]$
```

Switch to root user

```
  ~\_  ####_        Amazon Linux 2023
 ~~  \_#####\
 ~~     \###|
 ~~       \#/ ___   https://aws.amazon.com/linux/amazon-linux-2023
  ~~       V~' '->
   ~~~         /
     ~~._.   _/
        _/ _/
      _/m/'
[ec2-user@ip-10-0-0-44 ~]$ sudo su
[root@ip-10-0-0-44 ec2-user]# yum -y update
Last metadata expiration check: 0:13:03 ago on Mon Jul 24 05:23:30 2023.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-10-0-0-44 ec2-user]#
```