

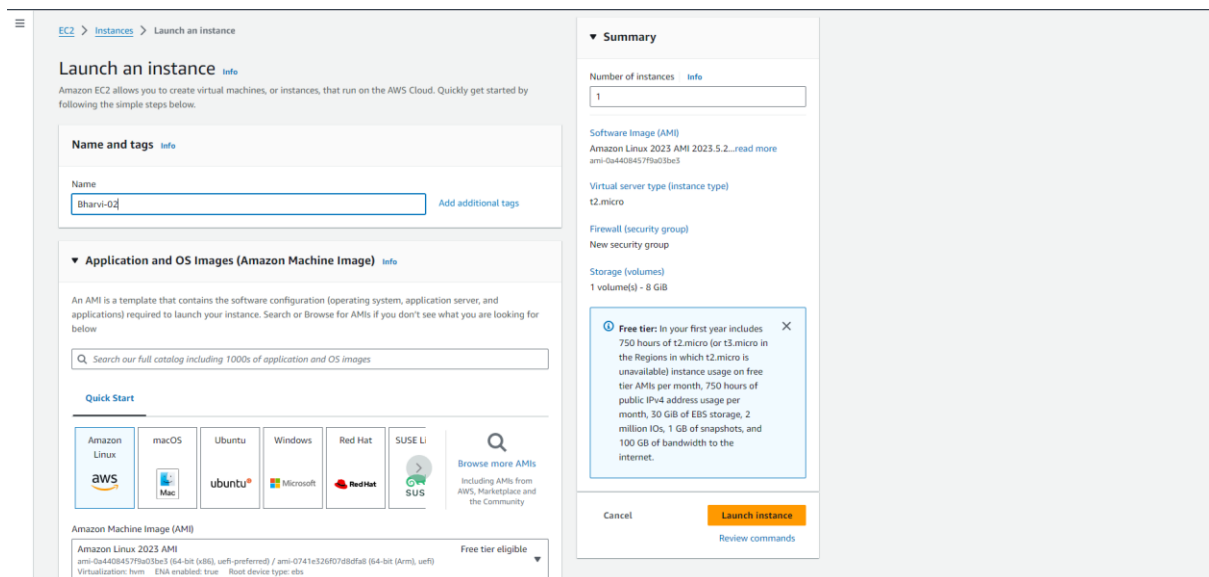
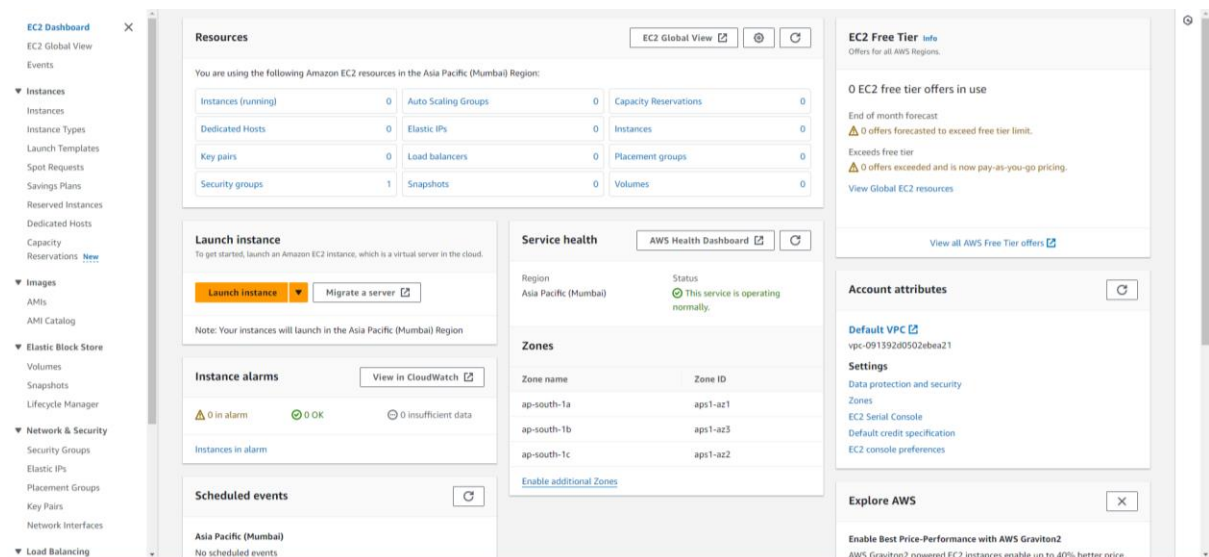
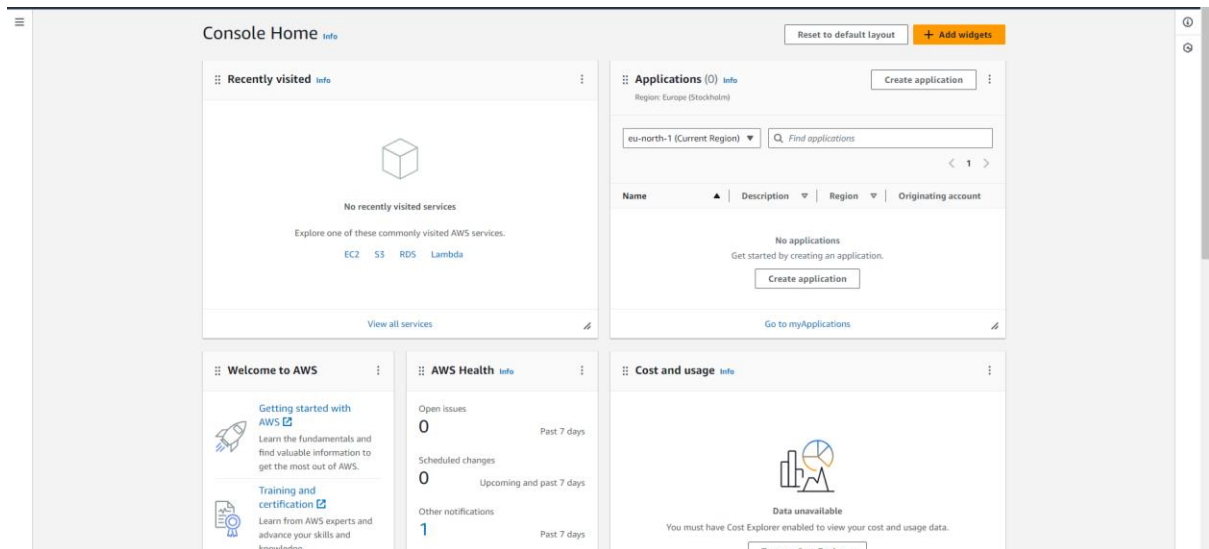
CLOUD COMPUTING

PRACTICAL-1

Name – Bharvi Chavda

Roll No – A006

SAP ID – 86062300028



Application and OS Images (Amazon Machine Image)

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

Quick Start

Amazon Linux

macOS

Ubuntu

Windows

Red Hat

SUSE Linux

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI

ami-0a4408457f9a03be3 (64-bit x86), uefi-preferred / ami-0741e32607d8ffab (64-bit ARM), uefi

Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Amazon Linux 2023 is a modern, general purpose Linux-based OS that comes with 5 years of long term support. It is optimized for AWS and designed to provide a secure, stable and high-performance execution environment to develop and run your cloud applications.

Architecture

64-bit (x86)

Boot mode

uefi-preferred

AMI ID

ami-0a4408457f9a03be3

Verified provider

Summary

Number of instances

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.5.2...read more

ami-0a4408457f9a03be3

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 usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel

Launch instance

Review commands

Instance type

Info

Get advice

Instance type

t2.micro

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: 0.0268 USD per Hour

On-Demand SUSE base pricing: 0.0124 USD per Hour

Free tier eligible

All generations

Compare instance types

Key pair (login)

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

Network

vpc-091392d0502ebee21

Subnet

No preference (Default subnet in any availability zone)

Auto-assign public IP

Enable

Additional charges apply when outside of free tier allowance

Firewall (security group)

Summary

Number of instances

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.5.2...read more

ami-0a4408457f9a03be3

Virtual server type (instance type)

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Cancel

Launch instance

Review commands

Key pair (login)

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Network settings

Network

vpc-091392d0502ebee21

Subnet

No preference (Default subnet in any availability zone)

Auto-assign public IP

Enable

Additional charges apply when outside of free tier allowance

Firewall (security group)

Create key pair

Key pair name

sdh

Key pairs allow you to connect to your instance securely.

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.

more

Cancel

Create key pair

sds

Create new key pair

▼ Network settings info

Edit

Network info
vpc-091392d0502ebee21

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 groupSelect existing security group

We'll create a new security group called 'launch-wizard-1' with the following rules:

☒ Allow SSH traffic from
Helps you connect to your instance

Anywhere
0.0.0.0/0

☐ Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server

☐ Allow HTTP traffic from the internet
To set up an endpoint, for example when creating a web server

Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

▼ Configure storage info

Advanced

▼ Summary

Number of instances info
1

Software image (AMI)
Amazon Linux 2023 AMI 2023.5.2...read more
ami-0a406457f9d03be3

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 usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million I/Os, 1 GiB of snapshots, and 100 GB of bandwidth to the internet.

CancelLaunch instance
Review commands

EC2 > Instances > Launch an instance

Success
Successfully initiated launch of instance (i-0722a180c6ca40ede)

Launch log

Next Steps

What would you like to do next with this instance, for example "create alarm" or "create backup"

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

Manage detailed monitoring
Enable or disable detailed monitoring for the instance. If you enable detailed monitoring, the Amazon EC2 console displays monitoring graphs with a 1-minute period.
Manage detailed monitoring

Create Load Balancer
Create an application, network gateway or classic Elastic Load Balancer
Create Load Balancer

Create AWS budget
AWS Budgets allows you to create budgets, forecast spend, and take action on your costs and usage from a single location.
Create AWS budget

Manage CloudWatch alarms
Create or update Amazon CloudWatch alarms for the instance.
Manage CloudWatch alarms

EC2 Dashboard
EC2 Global View
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Instances (1) info

Find instance by attribute or tag (case-sensitive)

All states

ConnectInstance stateActionsLaunch instances

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
<input type="checkbox"/>	Bharvi-02	i-0722a180c6ca40ede	Running	t2.micro	2/2 checks passed	View alarms	ap-south-1a	ec2-35-154-196-12.ap-...	35.154.196.12	-

Select an instance

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EC2 > Instances > i-0722a180c6ca40ede

Instance summary for i-0722a180c6ca40ede (Bharvi-02) Info

Updated less than a minute ago

🔄

Connect

Instance state ▼

Actions ▼

Instance ID 🔗 i-0722a180c6ca40ede (Bharvi-02)	Public IPv4 address 🔗 35.154.196.12 open address	Private IPv4 addresses 🔗 172.31.39.132
IPv6 address -	Instance state 🟢 Running	Public IPv4 DNS 🔗 ec2-35-154-196-12.ap-south-1.compute.amazonaws.com open address
Hostname type IP name: ip-172-31-39-132.ap-south-1.compute.internal	Private IP DNS name (IPv4 only) 🔗 ip-172-31-39-132.ap-south-1.compute.internal	Elastic IP addresses -
Answer private resource DNS name IPv4 (A)	Instance type t2.micro	AWS Compute Optimizer finding 🔗 Opt-in to AWS Compute Optimizer for recommendations. Learn more
Auto-assigned IP address 🔗 35.154.196.12 [Public IP]	VPC ID 🔗 vpc-091392d0502ebea21	Auto Scaling Group name -
IAM Role -	Subnet ID 🔗 subnet-03329469e4bba8b8c	
IMDSv2 Required	Instance ARN 🔗 arn:aws:ec2:ap-south-1:590183735361:instance/i-0722a180c6ca40ede	

Details

Status and alarms

Monitoring

Security

Networking

Storage

Tags

▼ Instance details Info

Platform 🔗 Amazon Linux (Inferred)	AMI ID 🔗 ami-0a4408457f9a03be3	Monitoring disabled
Platform details 🔗 Linux/UNIX	AMI name 🔗 al2023-ami-2023.5.20240805.0-kernel-6.1-x86_64	Termination protection Disabled
Stop protection Disabled	Launch time 🔗 Sat Aug 17 2024 15:18:08 GMT+0530 (India Standard Time) (3 minutes)	AMI location 🔗 amazon/al2023-ami-2023.5.20240805.0-kernel-6.1-x86_64
Instance auto-recovery Default	Lifecycle normal	Stop-hibernate behavior Disabled

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Platform details

🔗 Linux/UNIX

Stop protection
Disabled

Instance auto-recovery
Default

AMI Launch index
0

Credit specification
standard

Usage operation
🔗 RunInstances

Enclaves Support
-

Allow tags in instance metadata
Disabled

▼ Host and placement group Info

Host ID
-

Host resource group name
-

Virtualization type
🔗 hvm

Number of vCPUs
1

▼ Capacity reservation Info

Capacity Reservation ID
-

AMI name
🔗 al2023-ami-2023.5.20240805.0-kernel-6.1-x86_64

Launch time
🔗 Sat Aug 17 2024 15:18:08 GMT+0530 (India Standard Time) (3 minutes)

Lifecycle
normal

Key pair assigned at launch
🔗 sds

Kernel ID
-

RAM disk ID
-

Boot mode
🔗 uefi-preferred

Use RBN as guest OS hostname
🔗 Disabled

Affinity
-

Tenancy
🔗 default

Reservation
🔗 r-06a987de1ede21d7a

Capacity Reservation setting
open

Termination protection
Disabled

AMI location
🔗 amazon/al2023-ami-2023.5.20240805.0-kernel-6.1-x86_64

Stop-hibernate behavior
Disabled

State transition reason
-

State transition message
-

Owner
🔗 590183735361

Current instance boot mode
🔗 legacy-bios

Answer RBN DNS hostname IPv4
🔗 Enabled

Placement group
-

Placement group ID
-

Partition number
-

EC2 > Instances > i-0722a180c6ca40ede > Connect to instance

Connect to instance [Info](#)

Connect to your instance i-0722a180c6ca40ede (Bharvi-02) using any of these options

EC2 Instance Connect

Session Manager

SSH client

EC2 serial console



Port 22 (SSH) is open to all IPv4 addresses

Port 22 (SSH) is currently open to all IPv4 addresses, indicated by **0.0.0.0/0** in the inbound rule in [your security group](#). For increased security, consider restricting access to only the EC2 Instance Connect service IP addresses for your Region: 13.233.177.0/29. [Learn more](#).

Instance ID

 i-0722a180c6ca40ede (Bharvi-02)

Connection Type

- Connect using EC2 Instance Connect

Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.

☐ Connect using EC2 Instance Connect Endpoint

Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

Public IP address

35,154,196.12

Username

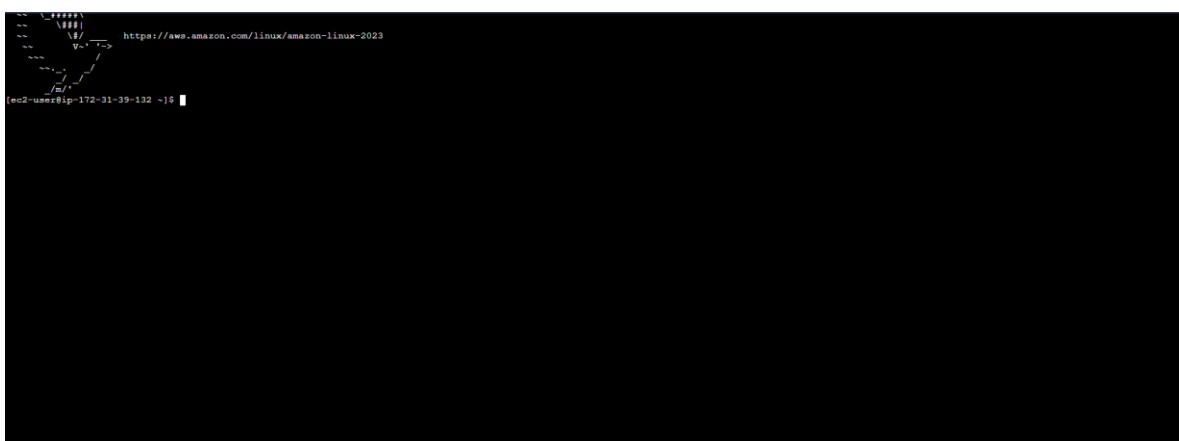
Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, `ec2-user`.

ec2-user

Note: In most cases, the default username, `ec2-user`, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cancel

Connect



i-0722a180c6ca40ede (Bharvi-02)
PublicIPs: 35.154.196.12 PrivateIPs: 172.31.39.132

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Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

All states

Connect

Instance state

Actions

Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
Bharvi-02	i-0722a180c6ca40ede	Running	t2.micro	2/2 checks passed	View alarms	ap-south-1a

Stop instance

Start instance

Reboot instance

Hibernate instance

Terminate (delete) instance

i-0722a180c6ca40ede (Bharvi-02)

Details

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Instance summary

Instance ID

i-0722a180c6ca40ede (Bharvi-02)

IPv6 address

-

Hostname type

IP name: ip-172-31-39-132.ap-south-1.compute.internal

Answer private resource DNS name

IPv4 (A)

Auto-assigned IP address

35.154.196.12 [Public IP]

Public IPv4 address

35.154.196.12 | open address

Instance state

Running

Private IP DNS name (IPv4 only)

ip-172-31-39-132.ap-south-1.compute.internal

Instance type

t2.micro

VPC ID

vpc-091392d0502ebee21

Private IPv4 addresses

172.31.39.132

Public IPv4 DNS

ec2-35-154-196-12.ap-south-1.compute.amazonaws.com | open address

Elastic IP addresses

-

AWS Compute Optimizer finding

Opt-in to AWS Compute Optimizer for recommendations. | Learn more

Terminate (delete) instance?

On an EBS-backed instance, the default action is for the root EBS volume to be deleted when the instance is terminated. Storage on any local drives will be lost.

Are you sure you want to terminate these instances?

Instance ID

Termination protection

i-0722a180c6ca40ede (Bharvi-02)

Disabled

To confirm that you want to delete the instances, choose the terminate button below. Instances with termination protection enabled will not be terminated. Terminating the instance cannot be undone.

Cancel

Terminate (delete)

Successfully initiated termination (deletion) of i-0722a180c6ca40ede

Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

All states

Connect

Instance state

Actions

Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4	Elastic IP
Bharvi-02	i-0722a180c6ca40ede	Shutting-d...	t2.micro	2/2 checks passed	View alarms	ap-south-1a	ec2-35-154-196-12.ap...	35.154.196.12	-

i-0722a180c6ca40ede (Bharvi-02)

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Instance summary

Instance ID

i-0722a180c6ca40ede (Bharvi-02)

IPv6 address

-

Hostname type

IP name: ip-172-31-39-132.ap-south-1.compute.internal

Answer private resource DNS name

IPv4 (A)

Auto-assigned IP address

35.154.196.12 [Public IP]

Public IPv4 address

35.154.196.12 | open address

Instance state

Shutting-down

Private IP DNS name (IPv4 only)

ip-172-31-39-132.ap-south-1.compute.internal

Instance type

t2.micro

VPC ID

vpc-091392d0502ebee21

Private IPv4 addresses

172.31.39.132

Public IPv4 DNS

ec2-35-154-196-12.ap-south-1.compute.amazonaws.com | open address

Elastic IP addresses

-

AWS Compute Optimizer finding

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EC2 > Instances > i-08265868de43cc8f6

Instance summary for i-08265868de43cc8f6 (Putty123) **Info**

Updated less than a minute ago

Connect Instance state Actions

Instance ID i-08265868de43cc8f6 (Putty123)	Public IPv4 address 43.205.233.122 open address	Private IPv4 addresses 172.31.39.93
IPv6 address -	Instance state Pending	Public IPv4 DNS ec2-43-205-233-122.ap-south-1.compute.amazonaws.com open address
Hostname type IP name: ip-172-31-39-93.ap-south-1.compute.internal	Private IP DNS name (IPv4 only) ip-172-31-39-93.ap-south-1.compute.internal	Elastic IP addresses -
Answer private resource DNS name IPv4 (A)	Instance type t2.micro	AWS Compute Optimizer finding Opt-in to AWS Compute Optimizer for recommendations. Learn more
Auto-assigned IP address 43.205.233.122 [Public IP]	VPC ID vpc-091392d0502e8a21	Auto Scaling Group name -
IAM Role -	Subnet ID subnet-03329469e4bba8b8c	
IMDSv2 Required	Instance ARN arn:aws:ec2:ap-south-1:590183735361:instance/i-08265868de43cc8f6	

Details Status and alarms Monitoring Security Networking Storage Tags

Instance details **Info**

Platform Ubuntu (Inferred)	AMI ID ami-0ad21ae1d0696ad58	Monitoring disabled
Platform details Linux/UNIX	AMI name ubuntu/images/hvm-ssd-gp3/ubuntu-noble-24.04-amd64-server-20240701.1	Termination protection Disabled
Stop protection Disabled	Launch time	AMI location

Putty Configuration

Category:

- Session
- Logging
- Terminal
- Keyboard
- Bell
- Features
- Window
- Appearance
- Behaviour
- Translation
- Selection
- Colours
- Connection
- Data
- Proxy
- SSH
- Serial
- Telnet
- Rlogin
- SUPDUP

Basic options for your PuTTY session

Specify the destination you want to connect to

Host Name (or IP address) Port

Connection type:

☒ SSH ☐ Serial ☐ Other:

Load, save or delete a stored session

Saved Sessions

Default Settings

Load Save Delete

Close window on exit:

☐ Always ☐ Never ☒ Only on clean exit

About Help Open Cancel

