

## Regions and Zones

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Region: India

Think of a region as a large area in a country. In this case, it's like the entire country of India. It's where you can store your data and run your applications.

Availability Zones: Mumbai and Bangalore

Now, within the India region, we have different availability zones. These are like separate cities or regions within the country. Let's say we have two availability zones: one in Mumbai and another in Bangalore.

Mumbai (Availability Zone): This is like one city within India. It's a location in Mumbai where your computer stuff can be stored. It's like saying, "I want to keep a copy of my website in Mumbai."

Bangalore (Availability Zone): Similarly, Bangalore is another city in India where your computer stuff can be stored. It's like saying, "I want to keep another copy of my website in Bangalore."

Having both Mumbai and Bangalore as availability zones in the India region helps ensure that if something happens in one city (like a power outage or a technical issue), your website or app can keep running smoothly from the other city.

In this example, AWS treats India as a region, and within India, they have availability zones in Mumbai and Bangalore, which act like separate cities for storing your computer stuff. This way, they make sure your things stay safe and available even if there are any issues in one of the cities.

use this link.

<https://aws.amazon.com/about-aws/global-infrastructure/?p=ngi&loc=0>



### AWS Global Infrastructure Map

The AWS Cloud spans 102 Availability Zones within 32 geographic regions around the world, with announced plans for 12 more Availability Zones and 4 more AWS Regions in Canada, Malaysia, New Zealand, and Thailand.



List view

Regions Coming soon

#### South America

The AWS Cloud in South America has 3 Availability Zones within one geographic Region, with four Edge Network locations and one Regional Edge Cache location.

##### Regions (Availability Zones):

São Paulo (3)

##### Edge Locations:

Rio de Janeiro, Brazil; São Paulo, Brazil; Bogota, Colombia; Buenos Aires, Argentina; Santiago, Chile

##### Regional Edge Caches:

São Paulo, Brazil

#### Regions

**São Paulo** *Launched 2011*

Availability Zones: 3

North America

The AWS Cloud in North America has 25 Availability Zones within seven geographic Regions, with 44 Edge Network locations and two Regional Edge Cache locations.

Regions (Availability Zones):

N. Virginia (6), Ohio (3), N. California (3), Oregon (4), US-East (3), US-West (3), Central (3)

Edge Locations:

Ashburn, VA; Atlanta GA; Boston, MA; Chicago, IL; Dallas/Fort Worth, TX; Denver, CO; Hayward, CA; Jacksonville, FL; Los Angeles, CA; Miami, FL; Minneapolis, MN; Montreal, QC; New York, NY; Newark, NJ; Palo Alto, CA; Phoenix, AZ; Philadelphia, PA; San Jose, CA; Seattle, WA; South Bend, IN; St. Louis, MO; Toronto, ON

Regional Edge Caches:

Northern Virginia; Ohio; Oregon

Coming soon

Canada West *Coming Soon*

Regions

**AWS GovCloud (US-East) *Launched 2018***

Availability Zones: 3

**AWS GovCloud (US-West) *Launched 2018***

Availability Zones: 3

**Canada Central *Launched 2016***

Availability Zones: 3

**Northern California *Launched 2009***

Availability Zones: 3

**Northern Virginia *Launched 2006***

Availability Zones: 6 | Local Zones: 14 | Wavelength Zones: 8

**Ohio *Launched 2016***

Availability Zones: 3

**Oregon *Launched 2011***

Availability Zones: 4 | Local Zones: 6 | Wavelength Zones: 5

Asia Pacific and China

The AWS Cloud in Asia Pacific and China has 38 Availability Zones within 12 geographic Regions, with 34 Edge Network locations and 5 Regional Edge Cache locations.

Regions (Availability Zones):

Hong Kong SAR (3), Melbourne (3), Mumbai (3), Seoul (4), Singapore (3), Sydney (3), Tokyo (4), Osaka (3), Beijing (3), Ningxia (3), Jakarta (3), Hyderabad (3)

Edge Locations:

Bangalore, India; Chennai, India; Hong Kong SAR, China; Hyderabad, India; Kuala Lumpur, Malaysia; Mumbai, India; Manila, Philippines; New Delhi, India; Osaka, Japan; Seoul, South Korea; Singapore; Taipei, Taiwan; Tokyo, Japan; Melbourne; Perth; Sydney; Beijing, China; Shanghai, China; Zhongwei, China; Shenzhen, China

Regional Edge Caches:

**Mumbai, India**, Singapore; Seoul, South Korea; Tokyo, Japan; Sydney, Australia

Regions

**Beijing**

Availability Zones: 3

**Hong Kong SAR *Launched 2019***

Availability Zones: 3

**Hyderabad *Launched 2022***

Availability Zones: 3

**Jakarta *Launched 2021***

Availability Zones: 3

**Melbourne *Launched 2023***

Availability Zones: 3

**Mumbai *Launched 2016***

Availability Zones: 3 | Local Zones: 2

Coming soon

Auckland *Coming Soon*

Malaysia *Coming Soon*

**Ningxia**

Availability Zones: 3

**Osaka *Launched 2021***

Availability Zones: 3

**Seoul *Launched 2016***

Availability Zones: 4 | Wavelength Zones: 1

**Singapore *Launched 2010***

Availability Zones: 3 | Local Zones: 2

**Sydney *Launched 2012***

Availability Zones: 3 | Local Zones: 2

**Tokyo *Launched 2011***

Availability Zones: 4 | Local Zones: 1 | Wavelength Zones: 2

Thailand *Coming Soon*

## Europe / Middle East / Africa

The AWS Cloud in Europe, Middle East and Africa has 33 Availability Zones within eleven geographic Regions, with 39 Edge Network locations and two Regional Edge Cache locations.

### Regions (Availability Zones):

Bahrain (3), Cape Town (3), Frankfurt (3), Ireland (3), Israel(3), London (3), Milan (3), Paris (3), Spain (3), Stockholm (3), Zurich (3), and UAE (3)

### Edge Locations:

Amsterdam, The Netherlands; Berlin, Germany; Cape Town, South Africa; Dublin, Ireland; Frankfurt, Germany; Helsinki, Finland; Johannesburg, South Africa; London, England; Madrid, Spain; Manchester, England; Marseille, France; Milan, Italy; Munich, Germany; Dusseldorf, Germany; Palermo, Italy; Paris, France; Prague, Czech Republic; Stockholm, Sweden; Vienna, Austria; Warsaw, Poland; Zurich, Switzerland; Lisbon, Portugal; Brussels, Belgium; Athens, Greece; Bucharest, Romania; Budapest, Hungary; Nairobi, Kenya; Sofia, Bulgaria

### Regional Edge Caches:

Frankfurt, Germany; London, England

### Regions

#### Bahrain Launched 2019

Availability Zones: 3 | Local Zones: 1

#### Cape Town Launched 2020

Availability Zones: 3 | Local Zones: 1

#### Europe (Stockholm) Launched 2018

Availability Zones: 3 | Local Zones: 2

#### Frankfurt Launched 2014

Availability Zones: 3 | Local Zones: 2

#### Ireland Launched 2007

Availability Zones: 3

#### London Launched 2016

Availability Zones: 3 | Wavelength Zones: 2

#### Milan Launched 2020

Availability Zones: 3

#### Paris Launched 2017

Availability Zones: 3

#### Spain Launched 2022

Availability Zones: 3

#### Tel Aviv Launched 2023

Availability Zones: 3

#### UAE Launched 2022

Availability Zones: 3

#### Zurich Launched 2022

Availability Zones: 3

## South America

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### Regions (Availability Zones):

São Paulo (3)

### Edge Locations:

Rio de Janeiro, Brazil; São Paulo, Brazil; Bogota, Colombia; Buenos Aires, Argentina; Santiago, Chile

### Regional Edge Caches:

São Paulo, Brazil

### Regions

São Paulo Launched 2011

Availability Zones: 3

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Edge Locations:

Ashburn, VA; Atlanta GA; Boston, MA; Chicago, IL; Dallas/Fort Worth, TX; Denver, CO; Hayward, CA; Jacksonville, FL; Los Angeles, CA; Miami, FL; Minneapolis, MN; Montreal, QC; New York, NY; Newark, NJ; Palo Alto, CA; Phoenix, AZ; Philadelphia, PA; San Jose, CA; Seattle, WA; South Bend, IN; St. Louis, MO; Toronto, ON

Regional Edge Caches:

Northern Virginia; Ohio; Oregon

## Asia Pacific and China

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Regions (Availability Zones):

Hong Kong SAR (3), Melbourne (3), Mumbai (3), Seoul (4), Singapore (3), Sydney (3), Tokyo (4), Osaka (3), Beijing (3), Ningxia (3), Jakarta (3), Hyderabad (3)

Edge Locations:

Bangalore, India; Chennai, India; Hong Kong SAR, China; Hyderabad, India; Kuala Lumpur, Malaysia; Mumbai, India; Manila, Philippines; New Delhi, India; Osaka, Japan; Seoul, South Korea; Singapore; Taipei, Taiwan; Tokyo, Japan; Melbourne; Perth; Sydney; Beijing, China; Shanghai, China; Zhongwei, China; Shenzhen, China

#### Regional Edge Caches:

Mumbai, India; Singapore; Seoul, South Korea; Tokyo, Japan; Sydney, Australia

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### Europe / Middle East / Africa

---

The AWS Cloud in Europe, Middle East and Africa has 33 Availability Zones within eleven geographic Regions, with 39 Edge Network locations and two Regional Edge Cache locations.

#### Regions (Availability Zones):

Bahrain (3), Cape Town (3), Frankfurt (3), Ireland (3), Israel(3), London (3), Milan (3), Paris (3), Spain (3), Stockholm (3), Zurich (3), and UAE (3)

#### Edge Locations:

Amsterdam, The Netherlands; Berlin, Germany; Cape Town, South Africa; Dublin, Ireland; Frankfurt, Germany; Helsinki, Finland; Johannesburg, South Africa; London, England; Madrid, Spain; Manchester, England; Marseille, France; Milan, Italy; Munich, Germany; Dusseldorf, Germany; Palermo, Italy; Paris, France; Prague, Czech Republic; Stockholm, Sweden; Vienna, Austria; Warsaw, Poland; Zurich, Switzerland; Lisbon, Portugal; Brussels, Belgium; Athens, Greece; Bucharest, Romania; Budapest, Hungary; Nairobi, Kenya; Sofia, Bulgaria

## Elastic Compute Cloud(EC2)

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**Rent Virtual Machines:** You can choose different types of virtual computers for your needs, just like picking a car based on how many people you need to transport.

**Store Data on Virtual Drives:** Think of these like virtual USB sticks where you can keep your files and programs.

**Distribute the Work:** It's like having a bunch of friends helping you with a task. EC2 lets you spread out the work across many virtual computers.

When choosing EC2 instances, what kinds of specifications and setups can we customize?

- 1.IAM And Roles
- 2.Operating System
- 3.CPU
- 4.RAM
- 5.Storage
- 6.Security
- 7.Boot Strap
- 8.Network Card
- 9.Elastic IP address
- 10.Load Balancers
- 11.Auto Scaling
- 12.Monitoring and Metrics
- 13.Snapshots and AMIs
- 14.Instance Types



IAM Roles: You can assign IAM roles to your instances, allowing them to securely access other AWS services without the need for explicit credentials.

### Types of OS:

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1.Windows

2.Linux

3.MacOS

### Use Case for Windows:

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Windows is an operating system widely used in personal computers, laptops, and various business environments.

Use Case for Linux:

Linux is an open-source operating system employed in a wide range of applications, from web servers to embedded systems.

Use Case for MacOS:

MacOS is the operating system developed by Apple and is exclusively used on Macintosh computers.

## User Interface

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Windows: Utilizes a familiar layout with a "Start" menu and taskbar at the bottom.

Linux: Can be customized to your preference, but may require some learning, especially for beginners.

MacOS: Showcases a clean, stylish design featuring a dock at the bottom and a menu bar at the top.

## Differences

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### Windows:

Windows OS has a graphical user interface that makes it easy for people to interact with it. It's known for its user-friendly interface, which makes easy interactions. Many software and applications are developed with Windows compatibility in mind. Additionally, it is better for gaming platform due to its extensive gaming library.

### Linux:

Linux is widely used, from servers to embedded systems. It's highly customizable and a vast repository of open-source software. While some proprietary software may not be available, Linux provides a command-line interface for interactions, offering users full control over the system trust me full control.

### MacOS:

MacOS has a clean design, featuring a dock at the bottom and a menu bar at the top. It's known for its user-friendly and visually interface. This operating system is exclusively for Macintosh users. It's only integrated with other Apple devices and services, providing a seamless experience for users with iPhones and iPads.

CPU, RAM, and Storage I mentioned in my previous post itself please check it once check this link below.

[https://www.linkedin.com/posts/kovvuru-dhanush-787990225\\_aws-cloudcomputing-awsexam-activity-7113156148022706176-t3SN?utm\\_source=share&utm\\_medium=member\\_desktop](https://www.linkedin.com/posts/kovvuru-dhanush-787990225_aws-cloudcomputing-awsexam-activity-7113156148022706176-t3SN?utm_source=share&utm_medium=member_desktop)

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### Security

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Firewall Rules and Security Group: Think of these like locks and keys for your virtual computer. You set the rules to control who gets in and who doesn't.

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### Boot Strap Script (EC2 User Data)

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EC2 user data is like giving your virtual computer a set of instructions or a to-do list when it starts up. It can automatically set up software, configure settings, and perform tasks to customize the behavior of your EC2 instance. This helps automate the initial setup process, making it easier and more efficient.

### Network Card

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This is like the internet connection for your virtual computer. The faster the card, the quicker it can communicate with other computers. And having a public IP address is like giving it a phone number that anyone can call.

### Elastic IP Addresses

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You can reserve a static public IP address that you can associate with your instance. This is useful if you want to ensure your instance always has the same public IP.

### Auto Scaling

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This allows you to automatically adjust the number of EC2 instances in a group based on the conditions you define. This ensures your application can handle varying levels of traffic.

### Monitoring and Metrics

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AWS provides tools to monitor your instances' performance and collect metrics. You can set up alarms to be notified if certain thresholds are reached.

## Snapshots and AMIs

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You can create snapshots of your EBS volumes, which are like backups. You can also create Amazon Machine Images (AMIs) to save the configuration of your instance.

I'll provide a detailed, hands-on explanation with step-by-step screenshots to quickly explain what EBS means.

## Load Balancers

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You can set up load balancers to evenly distribute incoming network traffic across multiple instances. This helps improve the availability and fault tolerance of your applications.

## Instance Types

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Within each family (e.g., t2, m5, etc.), there are different instance types optimized for various use cases, such as compute-optimized, memory-optimized, etc.

check this link.

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<https://aws.amazon.com/ec2/instance-types/>

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## Security Group

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A Security Group is like a virtual firewall for your Amazon Elastic Compute Cloud (EC2) instances. It controls inbound and outbound traffic, acting as a protective barrier. You can think of it as a set of rules that determine who can communicate with your EC2 instance and what kind of traffic is allowed. It's an essential part of securing your cloud resources in AWS.

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## Protocols

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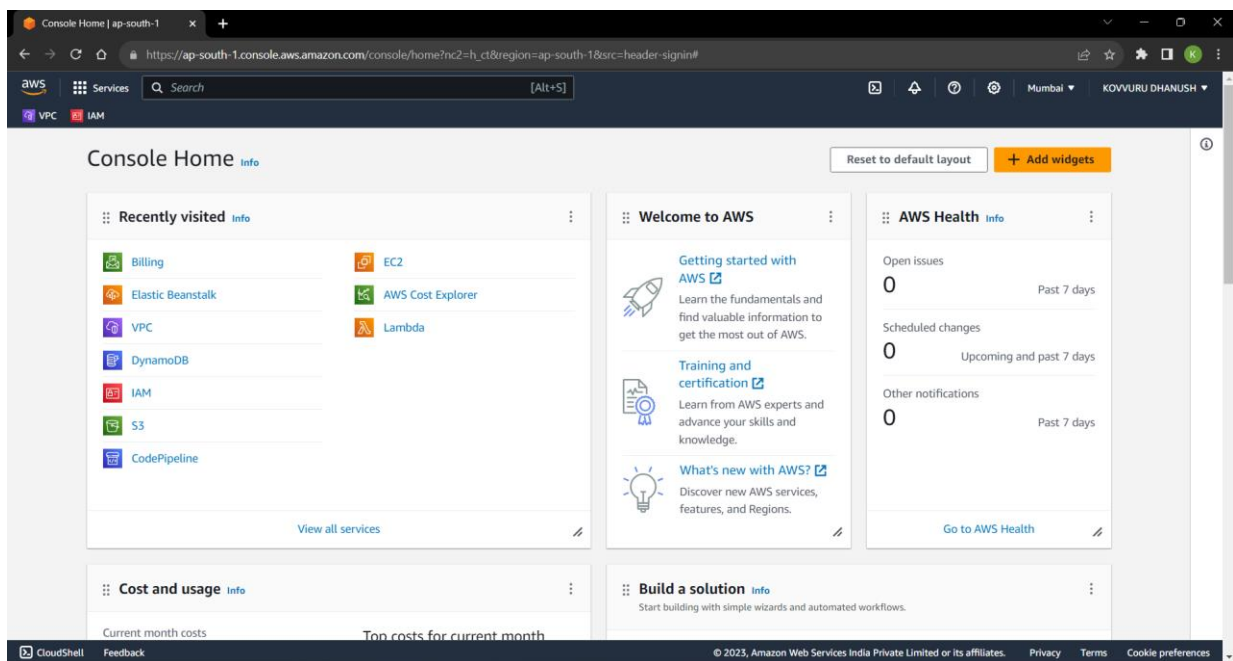
HTTP and HTTPS are protocols used for communication between a web browser (like Chrome, Firefox, etc.) and a web server (where a website is hosted).

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## Key Pair

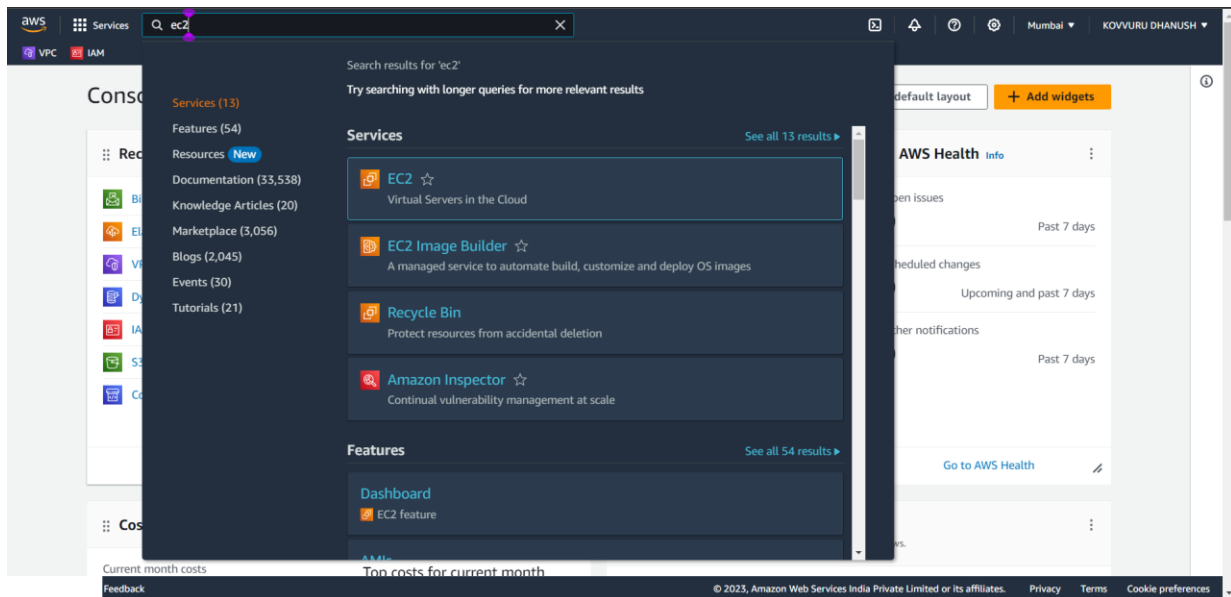
---

A key pair is like having a special lock and key.

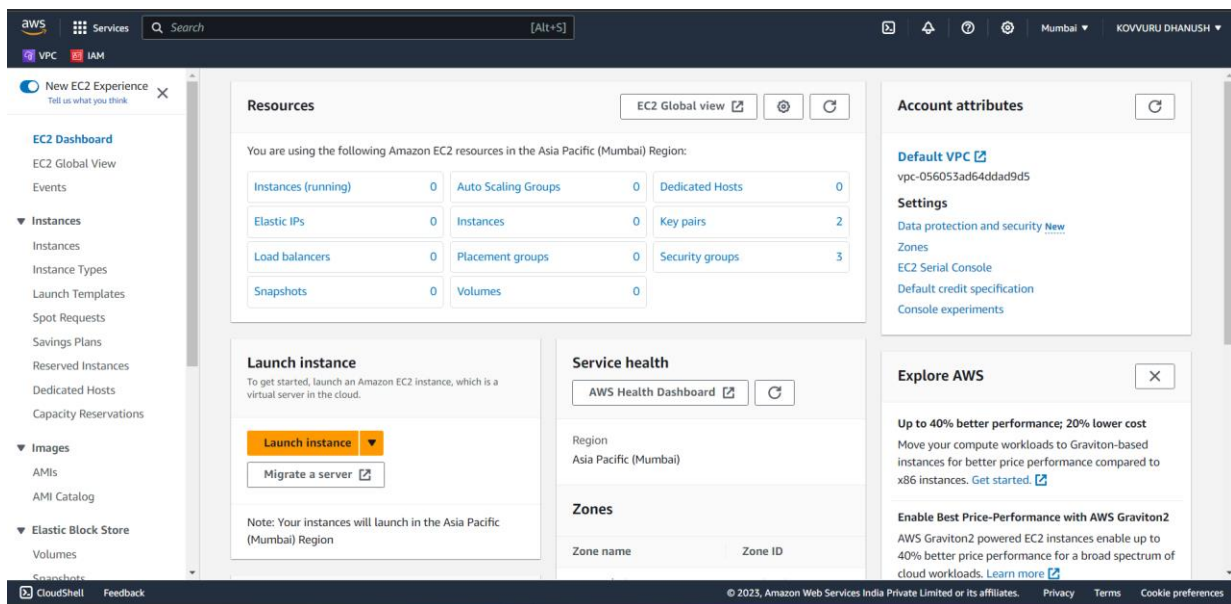


Here I'm very excited and I'm choosing Mumbai because I'm very near to it.



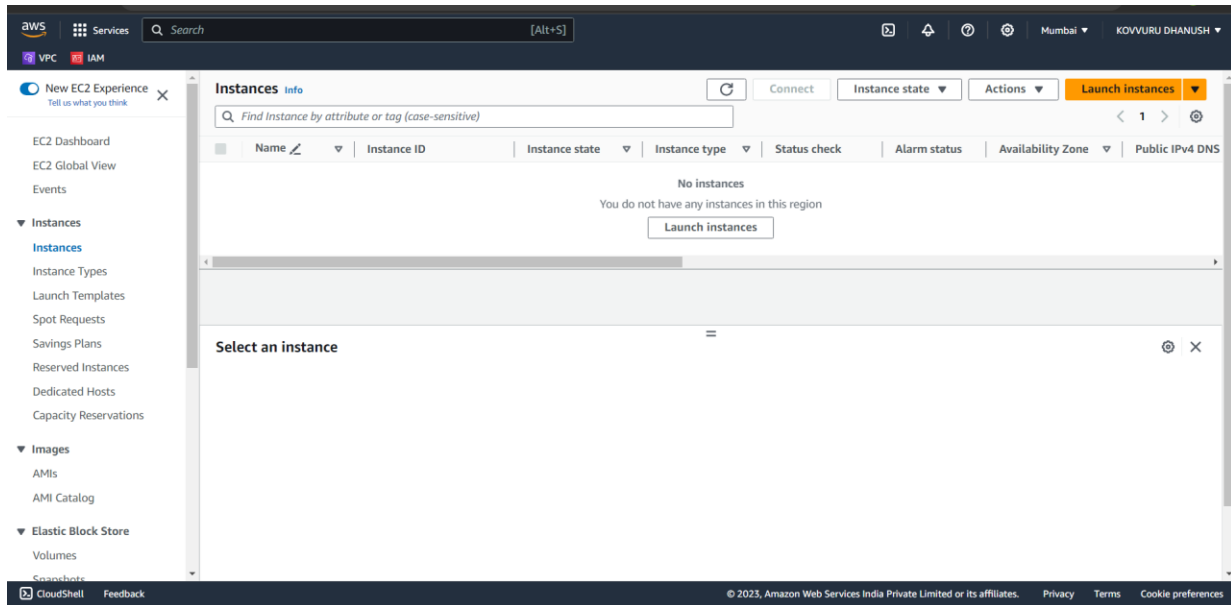


In search bar search for EC2.

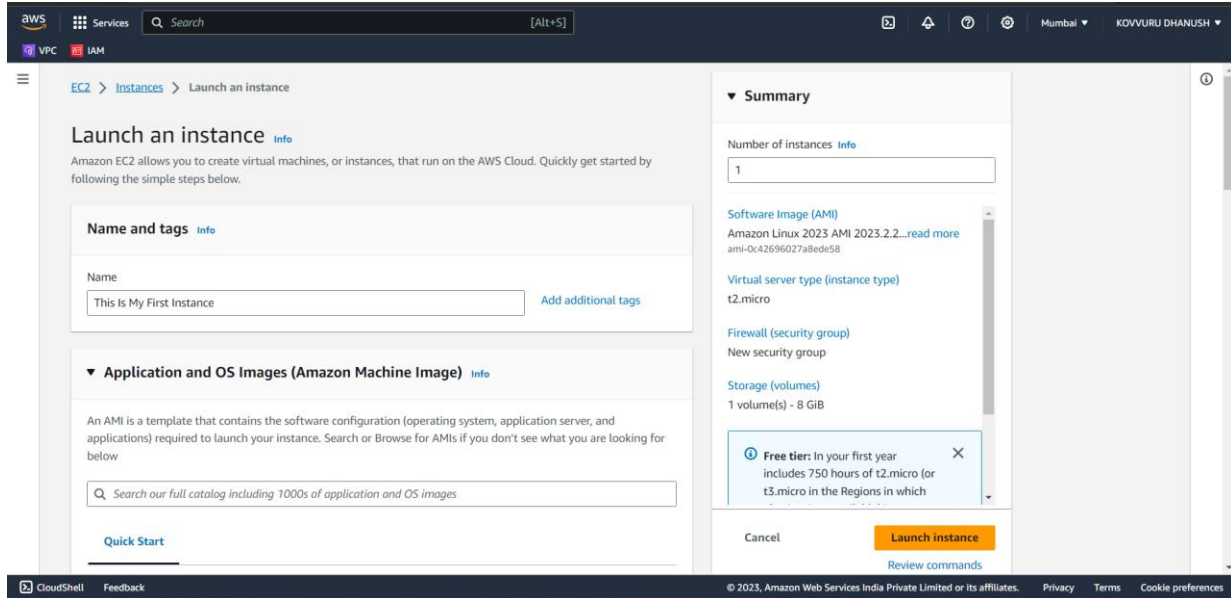


In the left-hand menu click on instances.





Now click on launch instance.



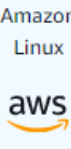
Here you can give your own name.


## ▼ 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


### 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** Free tier eligible ▼  
ami-0c42696027a8ede58 (64-bit (x86)) / ami-0f677abdb602a68a2 (64-bit (Arm))  
Virtualization: hvm   ENA enabled: true   Root device type: ebs

### Description

Amazon Linux 2023 AMI 2023.2.20231002.0 x86\_64 HVM kernel-6.1

### Architecture

64-bit (x86) ▼

### AMI ID

ami-0c42696027a8ede58

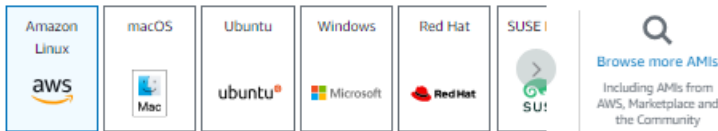
Verified provider

Here I will be launching Linux machine, and which is free tier eligible.

## ▼ Application and OS Images (Amazon Machine Image) [Info](#)

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### Quick Start



### Amazon Machine Image (AMI)

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Virtualization: hvm ENA enabled: true Root device type: ebs Free tier eligible ▼

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### Architecture

64-bit (x86) ▼

### AMI ID

ami-0c42696027a8ede58

Verified provider

## ▼ Instance type [Info](#)

### 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](#)

HERE I HAVE CHOSEN t2.micro

Here it is providing me 1 vCPU and 1 GiB Memory

▼ **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](#)

Now click on create new key pair.

**Create key pair** ✕

Key pair name

Key pairs allow you to connect to your instance securely.

EC2\_Key\_Pair

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

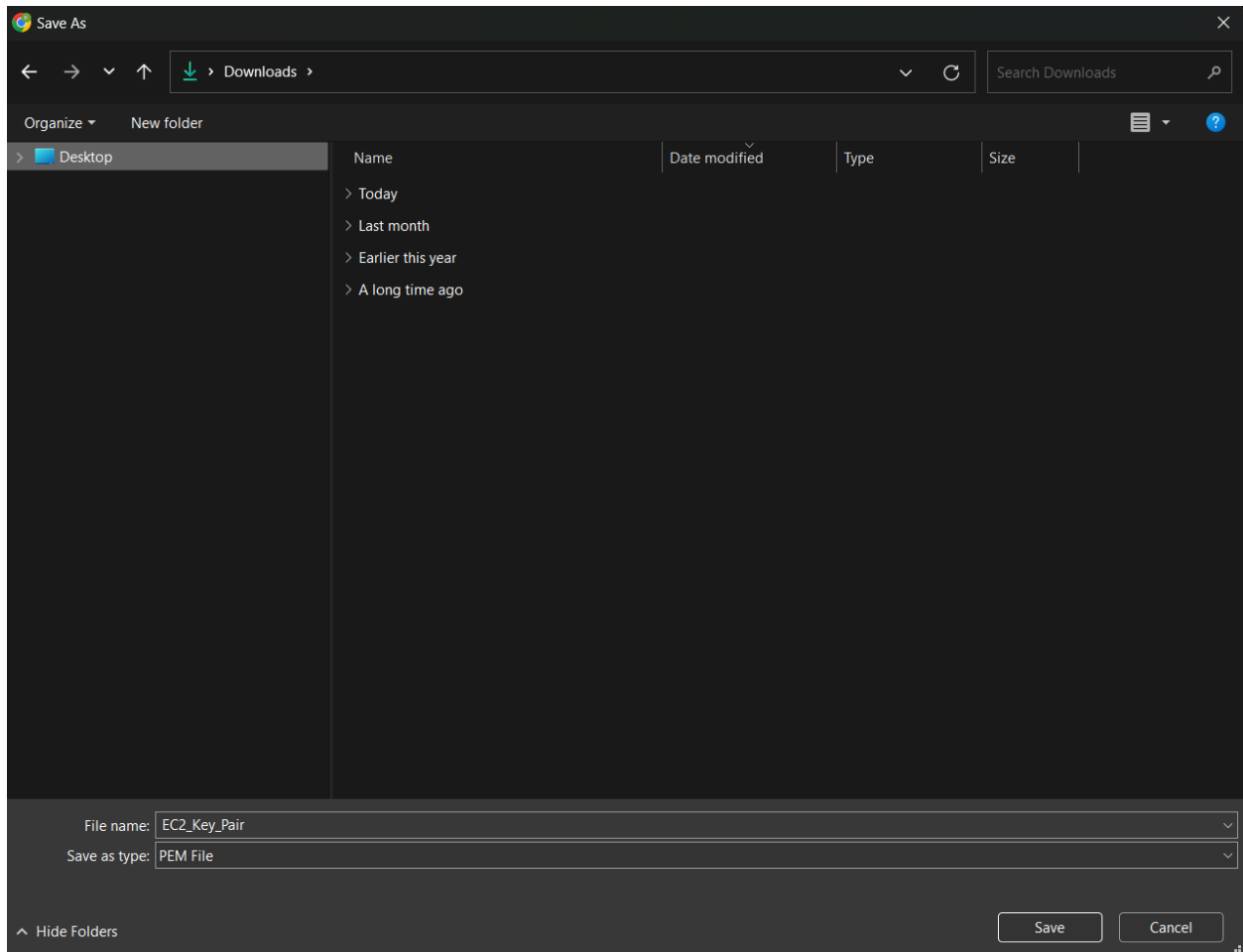
☐ **.ppk**  
For use with PuTTY

⚠ 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](#) ↗

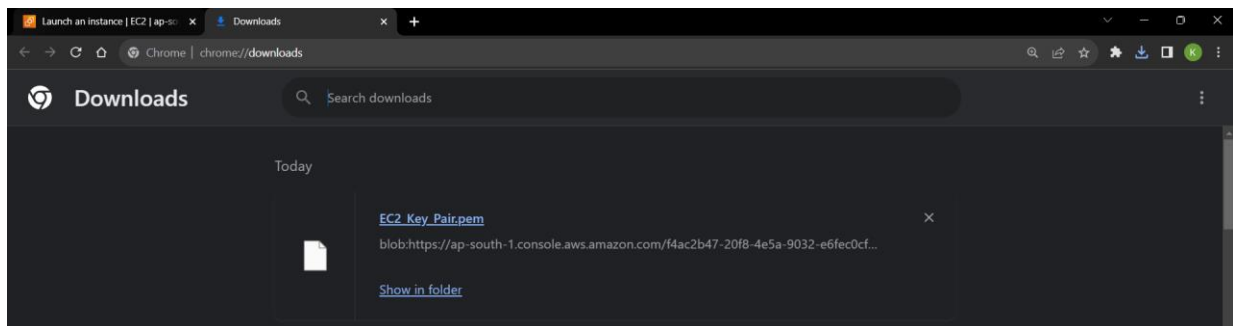
Cancel

Create key pair

Now click on create key pair.



Download the key pair.



Successfully it is downloaded.

▼ Network settings [Info](#)

Edit

Network [Info](#)

vpc-056053ad64ddad9d5

Subnet [Info](#)

No preference (Default subnet in any availability zone)

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

We'll create a new security group called 'launch-wizard-3' 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.

×

Here it creates launch-wizard-3 automatically mean by default from AWS.

▼ Configure storage [Info](#)

[Advanced](#)

1x 8 GiB gp3

Root volume (Not encrypted)

Add new volume

0 x File systems

Edit

Here you get by default automatically 8 GiB EBS Volume.

▼ **Configure storage** [Info](#)

1x  GiB  ▼

Root volume (Not encrypted)

Add new volume

0 x File systems


[Edit](#)

► **Advanced details** [Info](#)

Now click on advance details.

User data - optional [Info](#)

Upload a file with your user data or enter it in the field.


 **Choose file**

☐ User data has already been base64 encoded

After opening advance details come down mean scroll down come near User data

User data - *optional* [Info](#)

Upload a file with your user data or enter it in the field.

 Choose file

```
#!/bin/bash
sudo yum update -y
sudo yum install -y httpd.x86_64
sudo service httpd start
sudo service httpd enable
echo "<h1>Welcome to AWS</h1>" | sudo tee /var/www/html/index.html
```

```
#!/bin/bash
```

```
sudo yum update -y
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sudo yum install -y httpd.x86_64
```

```
sudo service httpd start
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sudo service httpd enable
```

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echo "<h1>Welcome to AWS</h1>" | sudo tee /var/www/html/index.html
```



Metadata transport  
Select

Metadata version [Info](#)  
Select

Metadata response hop limit [Info](#)  
Select

Allow tags in metadata [Info](#)  
Select

User data - optional [Info](#)  
Upload a file with your user data or enter it in the field.  

Choose file

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#!/bin/bash
sudo yum update -y
sudo yum install -y httpd.x86_64
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echo "<h1>Welcome to AWS</h1>" | sudo tee /var/www/html/index.html
```

☐ User data has already been base64 encoded

▼ Summary

Number of instances [Info](#)  
1

Software Image (AMI)  
Amazon Linux 2023 AMI 2023.2.2...[read more](#)  
ami-0c42696027a8ede58

Virtual server type (instance type)  
t2.micro

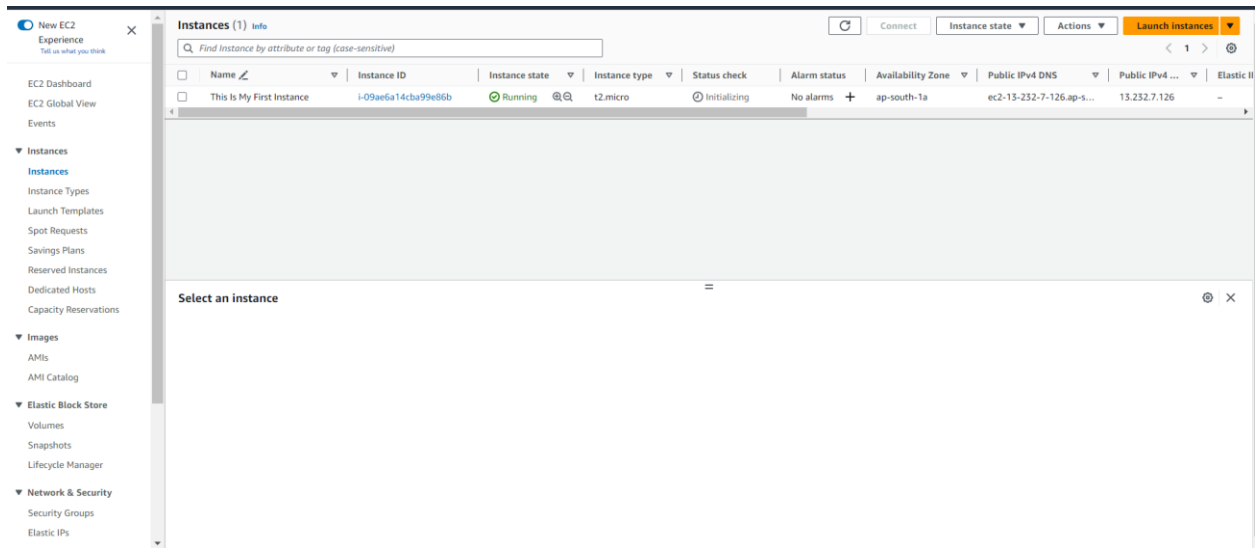
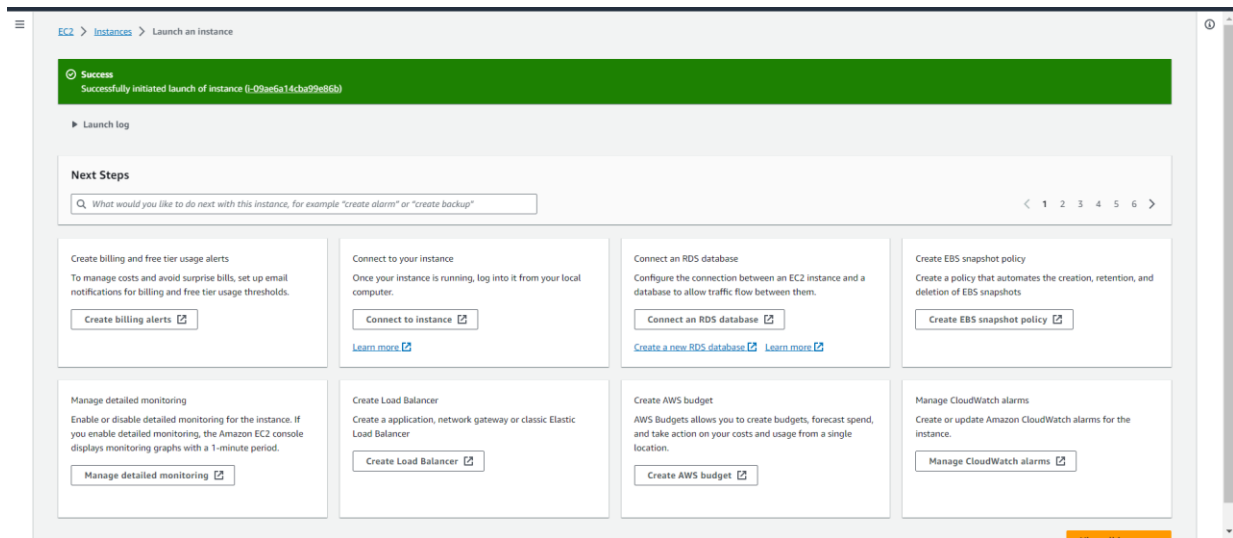
Firewall (security group)  
New security group

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, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

CancelLaunch instanceReview commands

Now click on launch instance.



The screenshot shows the AWS Management Console for the 'ap-south-1' region. The main content area displays a list of EC2 instances, with one instance named 'This is My First Instance' (ID: i-09ae6a14cba99e86b) in the 'Running' state. The instance is of type 't2.micro' and is located in the 'ap-south-1' region. The console also shows the instance's public and private IP addresses, DNS names, and other details.

Name	Instance ID	Instance state	Instance type	Status checks	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4
This is My First Instance	i-09ae6a14cba99e86b	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	ec2-13-232-7-126.ap-s...	13.232.7.12

**Instance: i-09ae6a14cba99e86b (This is My First Instance)**

**Details** | Security | Networking | Storage | Status checks | Monitoring | Tags

**Instance summary**

Instance ID: i-09ae6a14cba99e86b (This is My First Instance)

IPv6 address: -

Hostname type: IP name: ip-172-31-43-7.ap-south-1.compute.internal

Answer private resource DNS name: IPv4 (A)

Auto-assigned IP address

Public IPv4 address: 13.232.7.126 [open address]

Instance state: Running

Private IP DNS name (IPv4 only): ip-172-31-43-7.ap-south-1.compute.internal

Instance type: t2.micro

VPC ID

Private IPv4 addresses: 172.31.43.7

Public IPv4 DNS: ec2-13-232-7-126.ap-south-1.compute.amazonaws.com [open address]

Elastic IP addresses: -

AWS Compute Optimizer finding

Instances | EC2 | ap-south-1

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#instancesv=3;\$case=tags:true%5C,client:false;\$regex=tags:false%5C,client:false

Search [Alt+S]

New EC2 Experience

EC2 Dashboard  
EC2 Global View  
Events

Instances

Instances

Instance Types  
Launch Templates  
Spot Requests  
Savings Plans  
Reserved Instances  
Dedicated Hosts  
Capacity Reservations

Images

AMIs  
AMI Catalog

Elastic Block Store

Volumes  
Snapshots  
Lifecycle Manager

Network & Security

Security Groups  
Elastic IPs

Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4
This Is My First Instance	i-09ae6a14cba99e86b	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	ec2-13-232-7-126.ap-s...	13.232.7.12

Instance: i-09ae6a14cba99e86b (This Is My First Instance)

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

Instance summary Info

Instance ID  
i-09ae6a14cba99e86b (This Is My First Instance)

IPv6 address  
-

Hostname type  
IP name: ip-172-31-43-7.ap-south-1.compute.internal

Answer private resource DNS name  
IPv4 (A)  
13.232.7.126 [Public IP]

Auto-assigned IP address  
13.232.7.126 [Public IP]

IAM Role  
-

IMDSv2  
Required

Public IPv4 address  
13.232.7.126 [open address]

Instance state  
Running

Private IP DNS name (IPv4 only)  
ip-172-31-43-7.ap-south-1.compute.internal

Instance type  
t2.micro

VPC ID  
vpc-056053ad64ddad9d5

Subnet ID  
subnet-0a2e3ec9a5ffdb103

Private IPv4 addresses  
172.31.43.7

Public IPv4 DNS  
ec2-13-232-7-126.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]

Auto Scaling Group name  
-

Instances | EC2 | ap-south-1

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#instancesv=3;\$case=tags:true%5C,client:false;\$regex=tags:false%5C,client:false

Search [Alt+S]

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EC2 Global View  
Events

Instances

Instances

Instance Types  
Launch Templates  
Spot Requests  
Savings Plans  
Reserved Instances  
Dedicated Hosts  
Capacity Reservations

Images

AMIs  
AMI Catalog

Elastic Block Store

Volumes  
Snapshots  
Lifecycle Manager

Network & Security

Security Groups  
Elastic IPs

Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4
This Is My First Instance	i-09ae6a14cba99e86b	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	ec2-13-232-7-126.ap-s...	13.232.7.12

Instance: i-09ae6a14cba99e86b (This Is My First Instance)

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

Instance summary Info

Instance ID  
i-09ae6a14cba99e86b (This Is My First Instance)

IPv6 address  
-

Hostname type  
IP name: ip-172-31-43-7.ap-south-1.compute.internal

Answer private resource DNS name  
IPv4 (A)  
13.232.7.126 [Public IP]

Auto-assigned IP address  
13.232.7.126 [Public IP]

IAM Role  
-

IMDSv2  
Required

Public IPv4 address  
13.232.7.126 [open address]

Instance state  
Running

Private IP DNS name (IPv4 only)  
ip-172-31-43-7.ap-south-1.compute.internal

Instance type  
t2.micro

VPC ID  
vpc-056053ad64ddad9d5

Subnet ID  
subnet-0a2e3ec9a5ffdb103

Private IPv4 addresses  
172.31.43.7

Public IPv4 DNS  
ec2-13-232-7-126.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]

Auto Scaling Group name  
-

Instances | EC2 | ap-south-1

https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#instancesv=3;\$case=tags:true%5Cclient:false;\$regex=tags:false%5Cclient:false

Search [Alt+S]

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Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4
This Is My First Instance	i-09ae6a14cba99e86b	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	ec2-13-232-7-126.ap-s...	13.232.7.12

Instance: i-09ae6a14cba99e86b (This Is My First Instance)

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

Instance summary Info

Instance ID  
i-09ae6a14cba99e86b (This Is My First Instance)

IPv6 address  
-

Hostname type  
IP name: ip-172-31-43-7.ap-south-1.compute.internal

Answer private resource DNS name  
IPv4 (A)

Auto-assigned IP address  
13.232.7.126 [Public IP]

IAM Role  
-

IMDSv2  
Required

Public IPv4 address  
13.232.7.126 [open address]

Instance state  
Running

Private IP DNS name (IPv4 only)  
ip-172-31-43-7.ap-south-1.compute.internal

Instance type  
t2.micro

VPC ID  
vpc-056053ad64ddad9d5

Subnet ID  
subnet-0a2e3ec9a5ffd8103

Private IPv4 addresses  
172.31.43.7

Public IPv4 DNS  
ec2-13-232-7-126.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]

Auto Scaling Group name  
-

Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4
This Is My First Instance	i-09ae6a14cba99e86b	Running	t2.micro	2/2 checks passed	No alarms	ap-south-1a	ec2-13-232-7-126.ap-s...	13.232.7.12

Instance: i-09ae6a14cba99e86b (This Is My First Instance)

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

Instance summary Info

Instance ID  
i-09ae6a14cba99e86b (This Is My First Instance)

IPv6 address  
-

Hostname type  
IP name: ip-172-31-43-7.ap-south-1.compute.internal

Answer private resource DNS name  
IPv4 (A)

Auto-assigned IP address  
13.232.7.126 [Public IP]

IAM Role  
-

IMDSv2  
Required

Public IPv4 address copied

13.232.7.126 [open address]

Instance state  
Running

Private IP DNS name (IPv4 only)  
ip-172-31-43-7.ap-south-1.compute.internal

Instance type  
t2.micro

VPC ID  
vpc-056053ad64ddad9d5

Subnet ID  
subnet-0a2e3ec9a5ffd8103

Private IPv4 addresses  
172.31.43.7

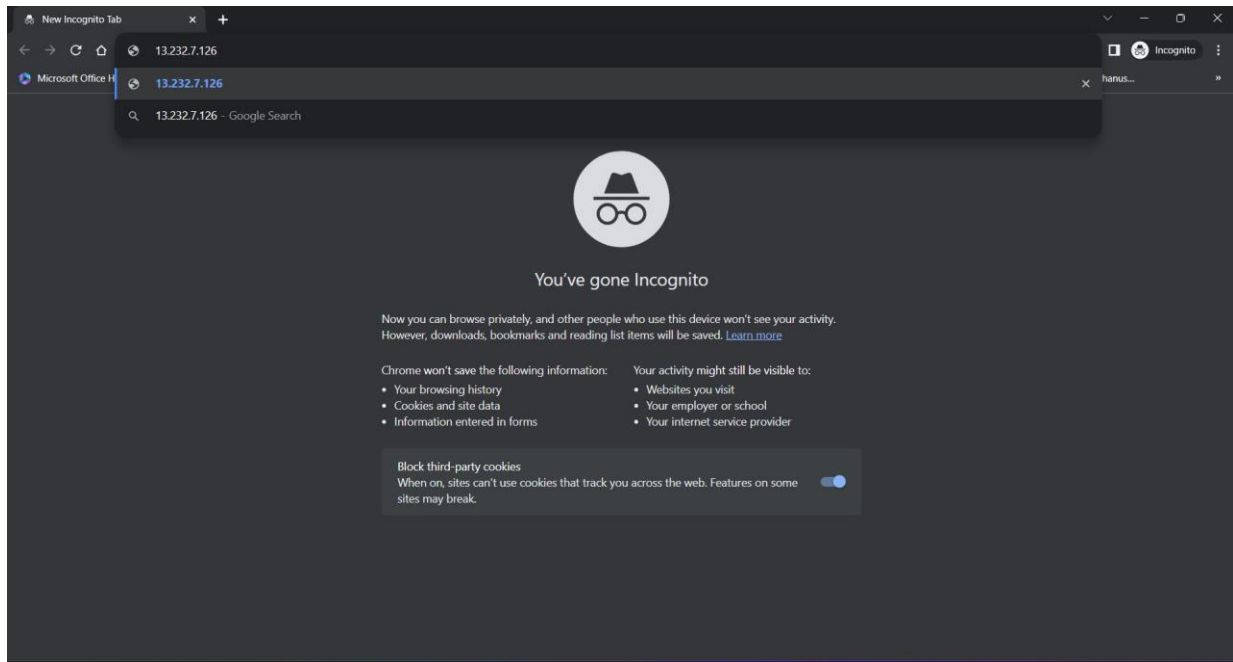
Public IPv4 DNS  
ec2-13-232-7-126.ap-south-1.compute.amazonaws.com [open address]

Elastic IP addresses  
-

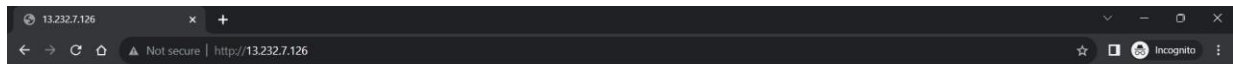
AWS Compute Optimizer finding  
Opt-in to AWS Compute Optimizer for recommendations. [Learn more]

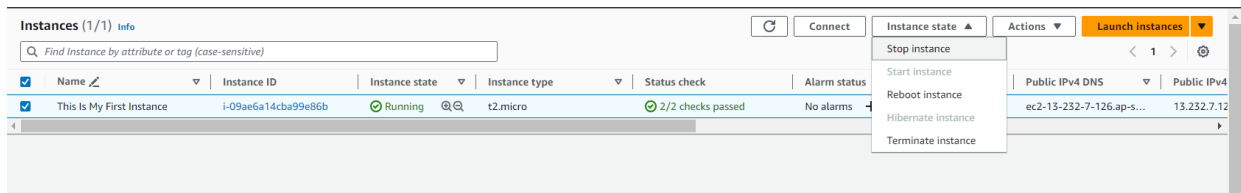
Auto Scaling Group name  
-

Copy the public IP.



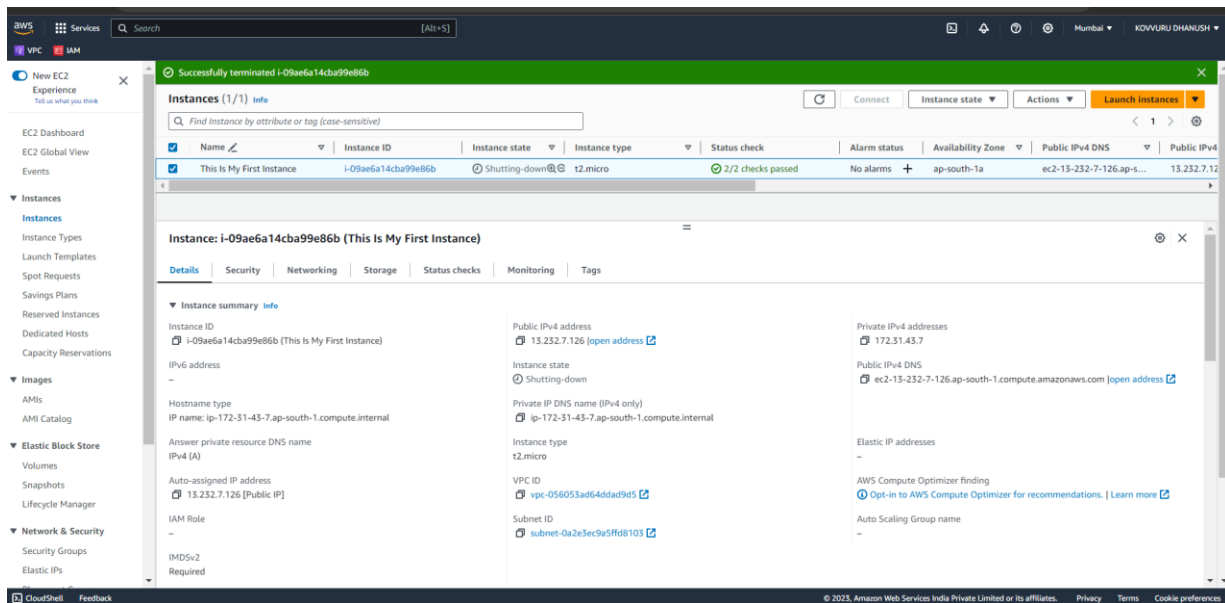
Paste it on a new tab.



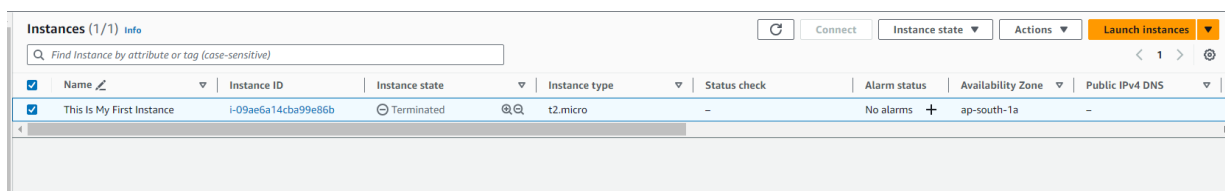


Here you can stop, start or terminate the instance.

Here I'm terminating the instance.



Successfully instance has terminated.



Done successfully.

