

Exp No: 4

Date:

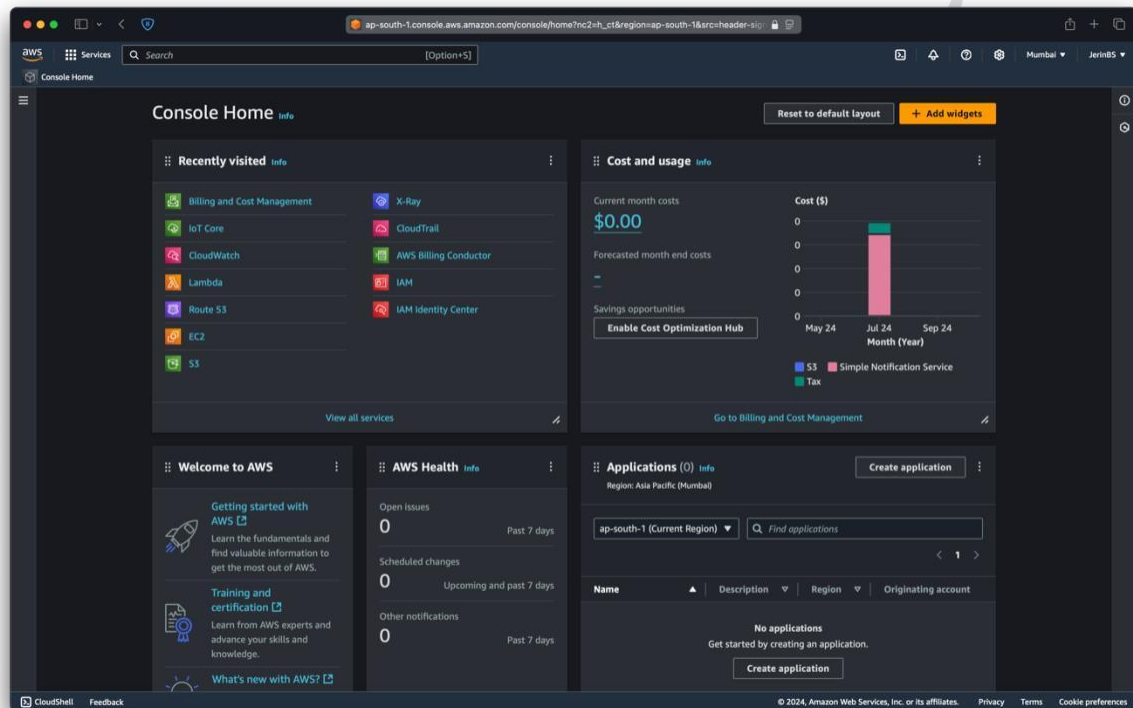
CREATING AN INSTANCE IN AWS

AIM:

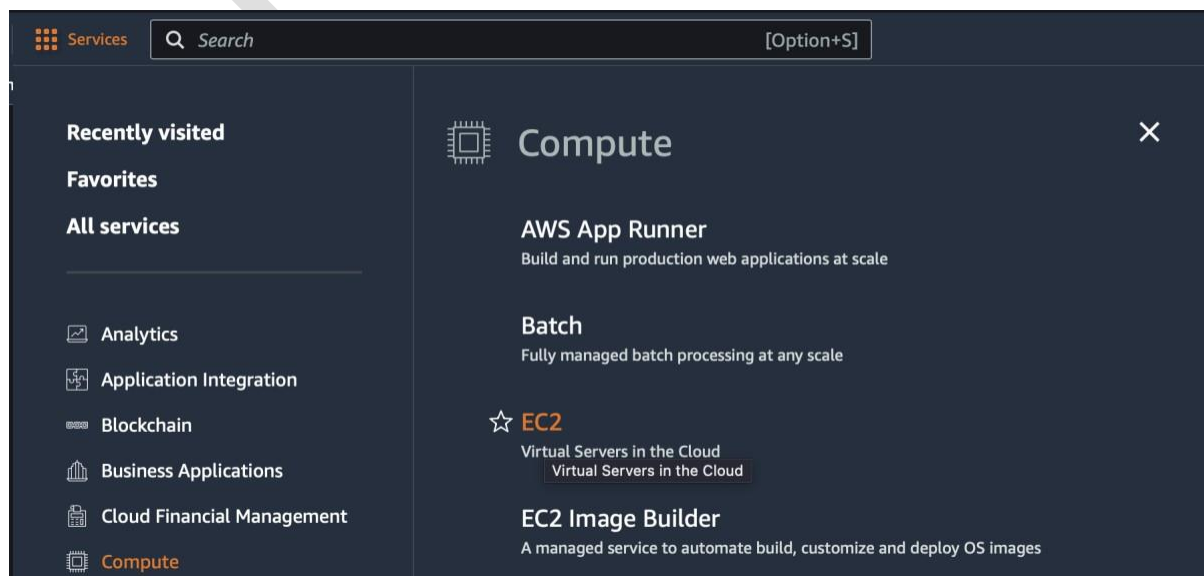
To create a virtual machine instance in a public cloud provider – AWS to understand the PAAS concept.

PROCEDURE:

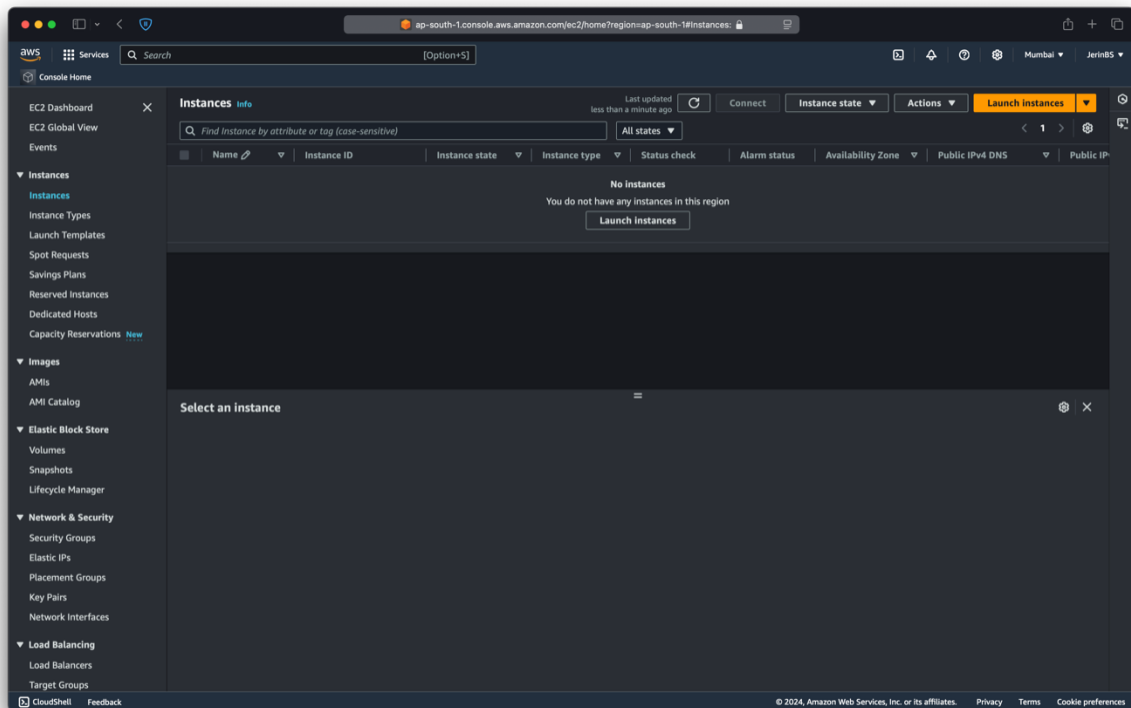
Login to the aws console in your closest region (Mumbai) (<https://ap-south-1.console.aws.amazon.com>)



Select **Virtual machines** in Azure Services.



Click “Launch Instances” and configure it.



Configuration:

Name and tags [Info](#)

Name

[Add additional tags](#)

▼ 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: 0.0268 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

▼ 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)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type
ami-0dee22c13ea7a9a67 (64-bit (x86)) / ami-0c8eea98010057bd0 (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible ▼

Description

Ubuntu Server 24.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (<http://www.ubuntu.com/cloud/services>).

Architecture

64-bit (x86) ▼

AMI ID

ami-0dee22c13ea7a9a67

Username

ubuntu


Verified provider

▼ 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*

test ▼

 [Create new key pair](#)

▼ Configure storage [Info](#)

Advanced

1x GiB 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](#)

▼ Network settings [Info](#)

[Edit](#)

Network [Info](#)

vpc-010f59805c8f6c4cc

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



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

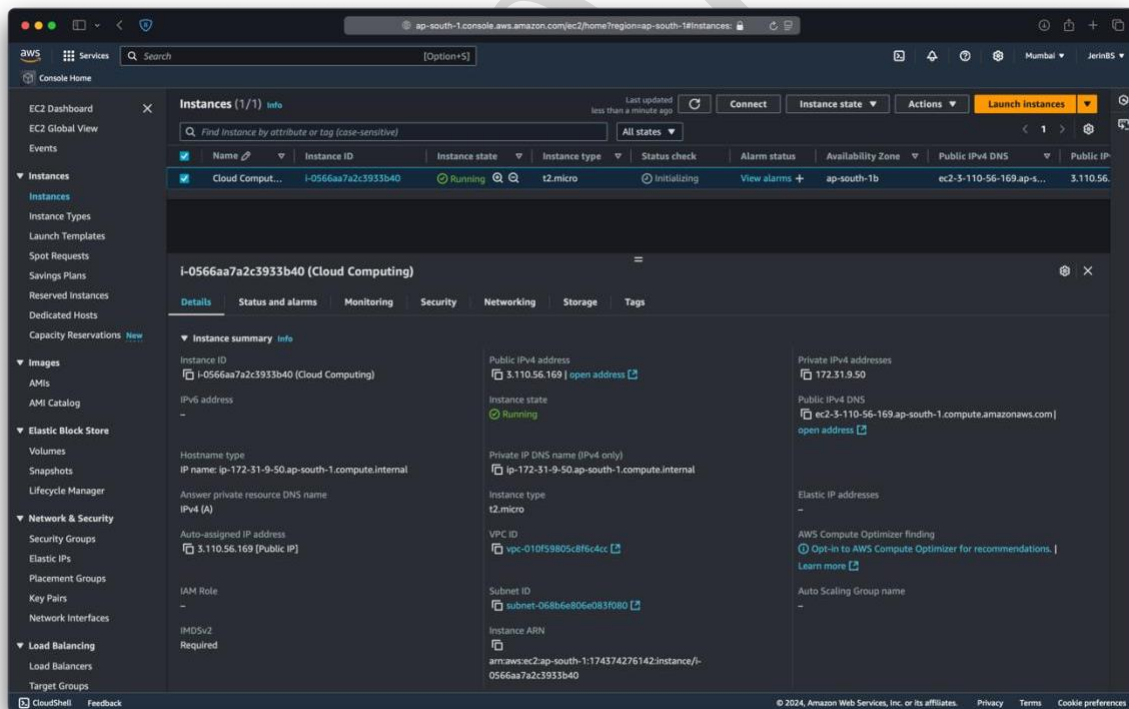
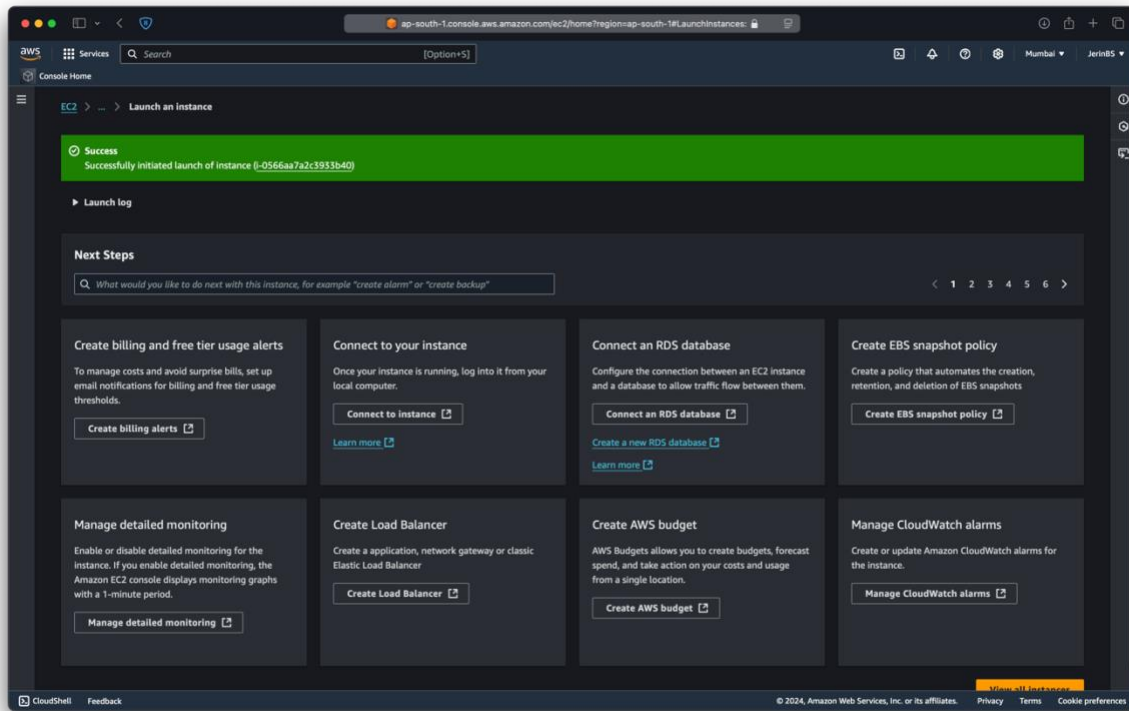
0.0.0.0/0

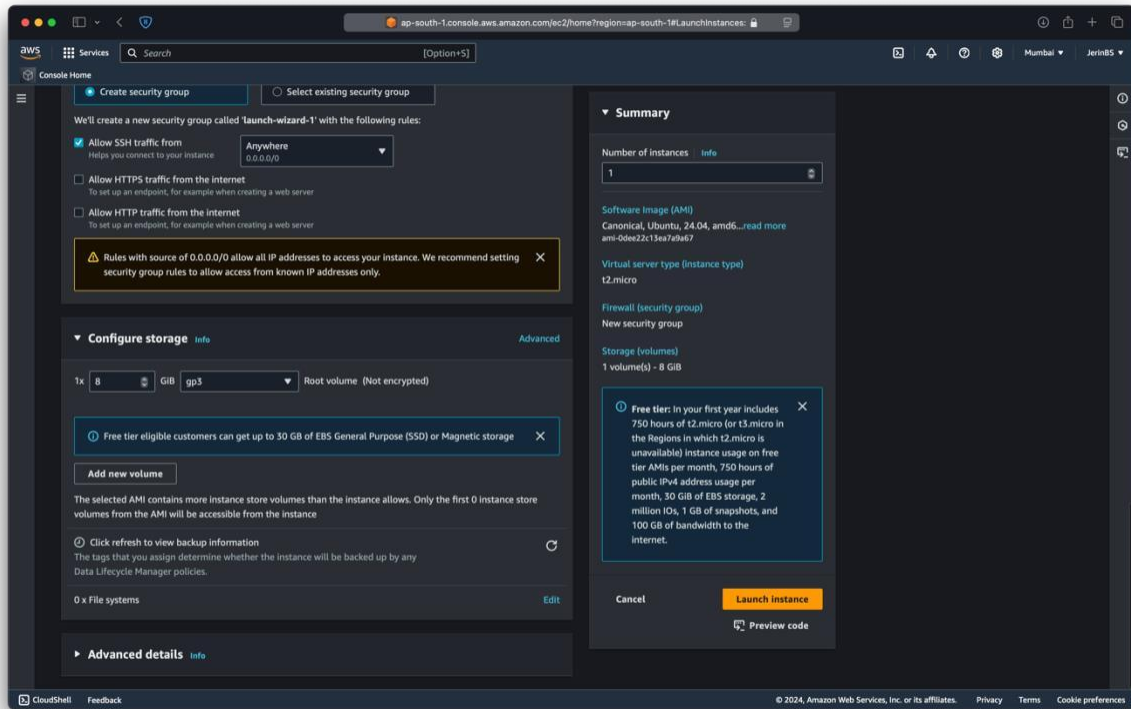
☐ Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server

☐ 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. 

Launch the Instance after the configuration.





RESULT:

A virtual machine instance in a public cloud provider – AWS is created.