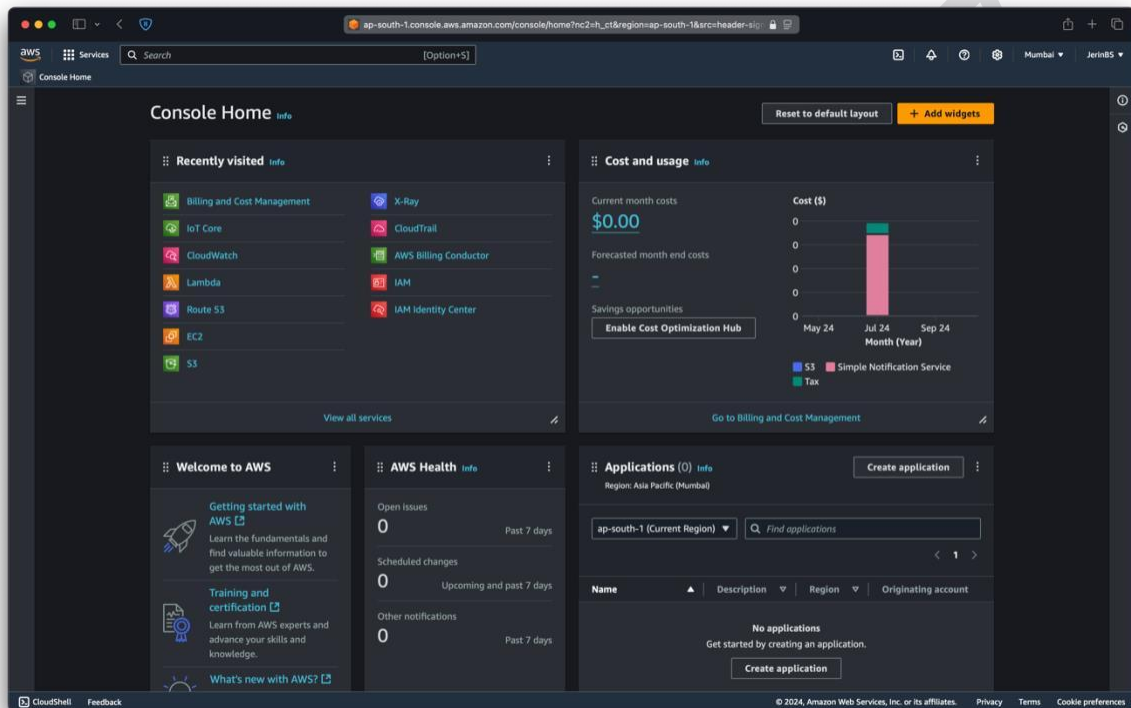**Exp No: 4** **Date:**

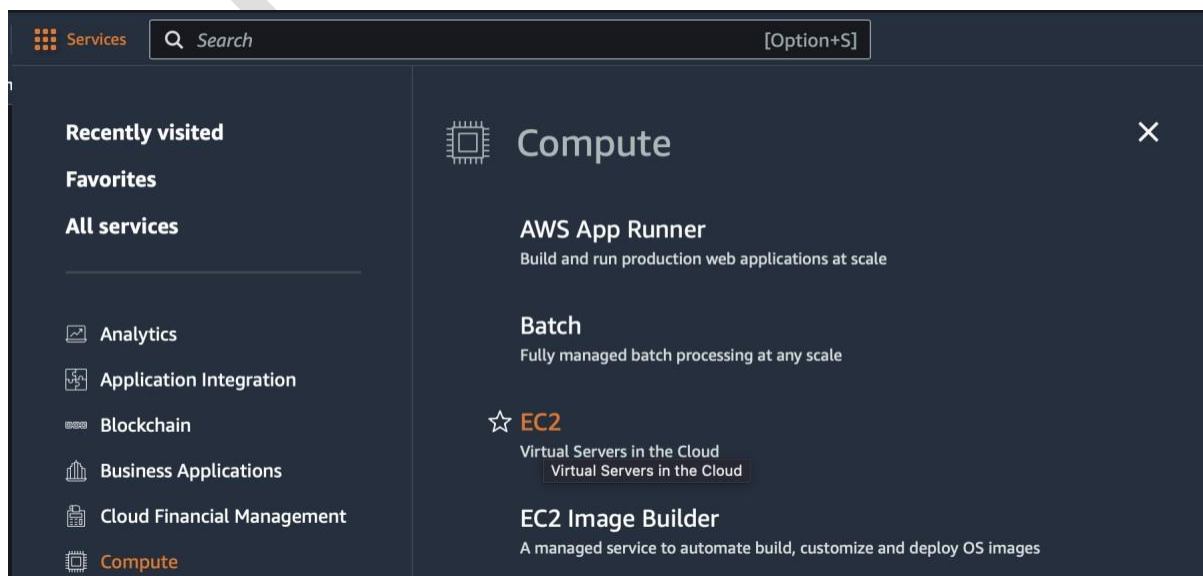## CREATING AN INSTANCE IN AWS

AIM:

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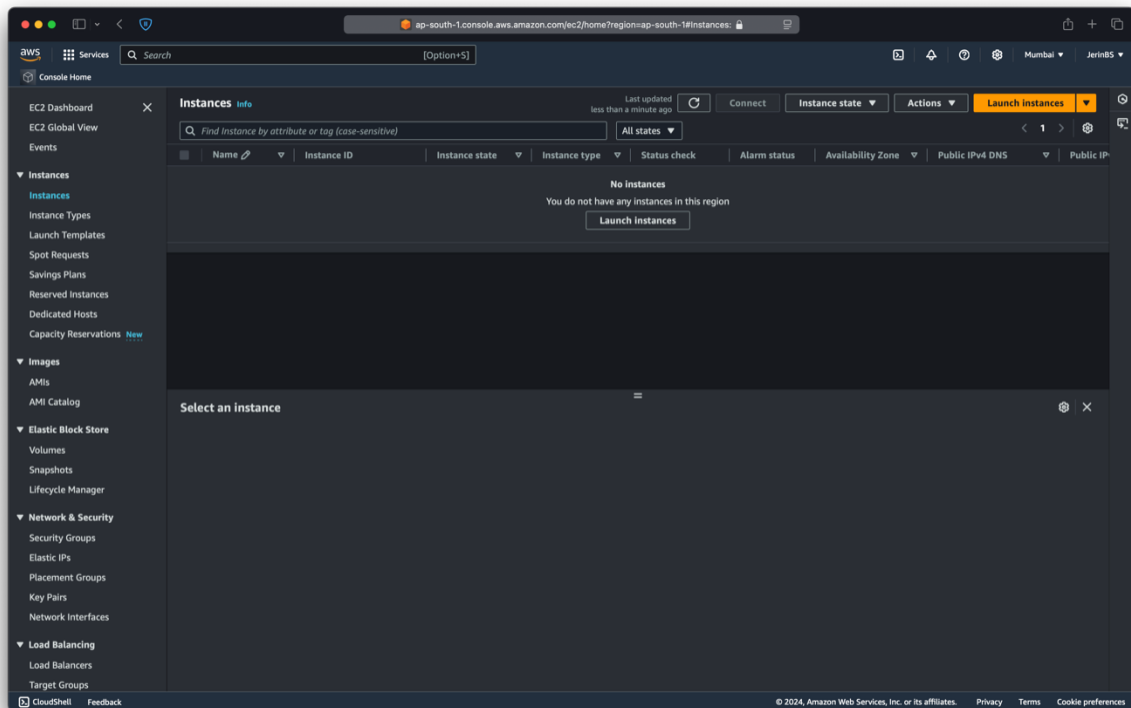
PROCEDURE:

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:

▼ 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 Li

🔍 **Browse more AMIs**

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

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

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 [8 ⬍] GiB [gp3 ▼] 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   La

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   [Anywhere ▼]
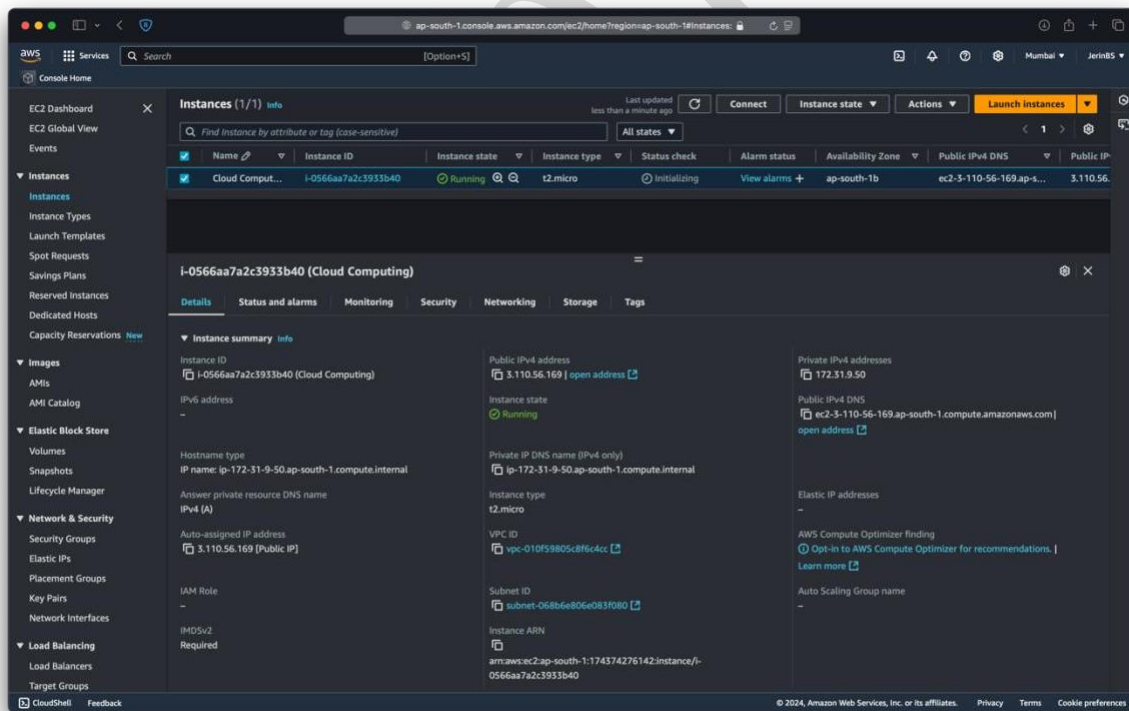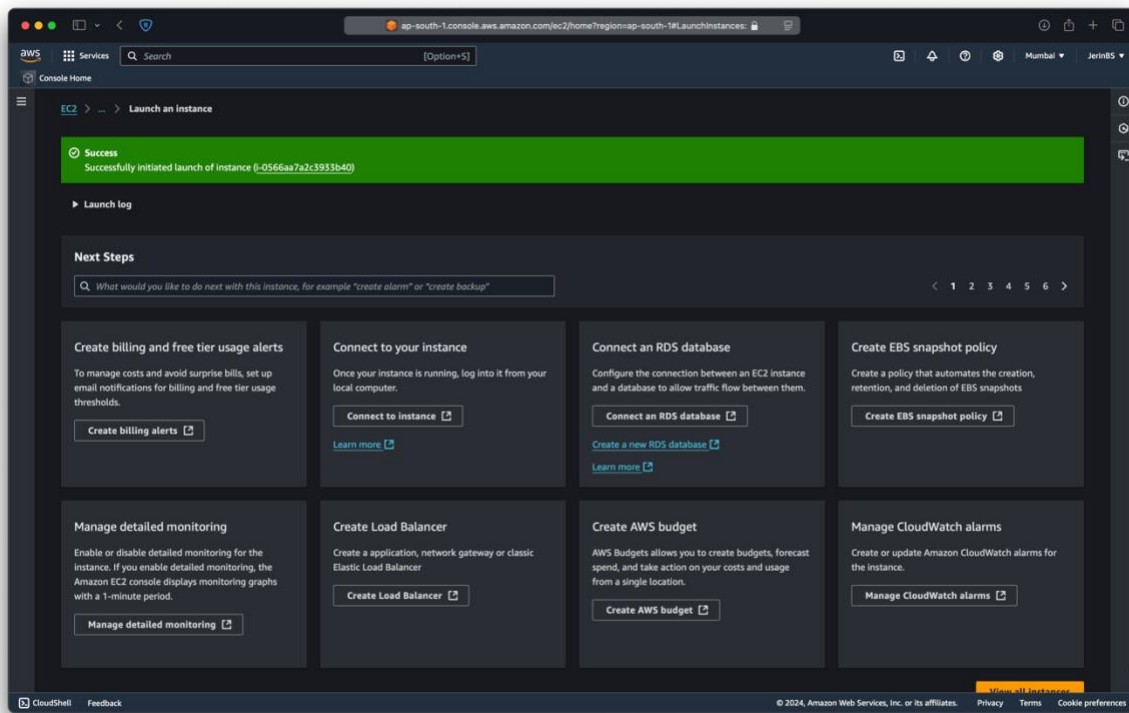   Helps you connect to your instance   0.0.0.0/0
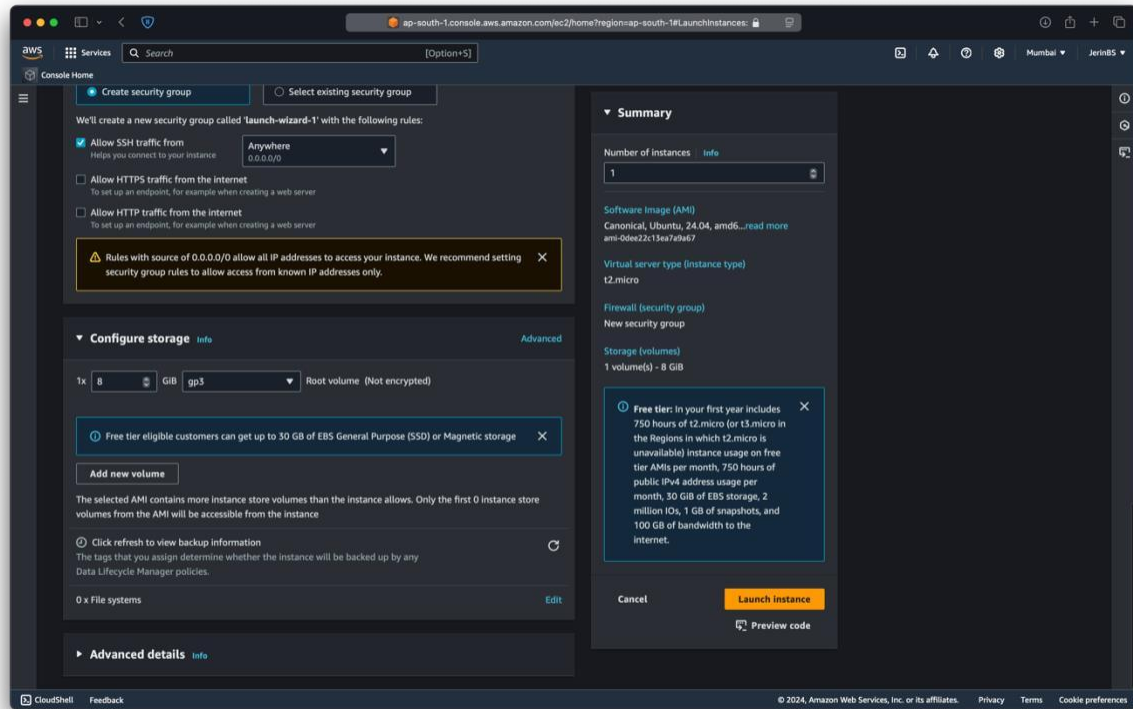
☐ Allow HTTPS traffic from the internet
   To set up an endpoint, for example when creating a web server

☐ 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.