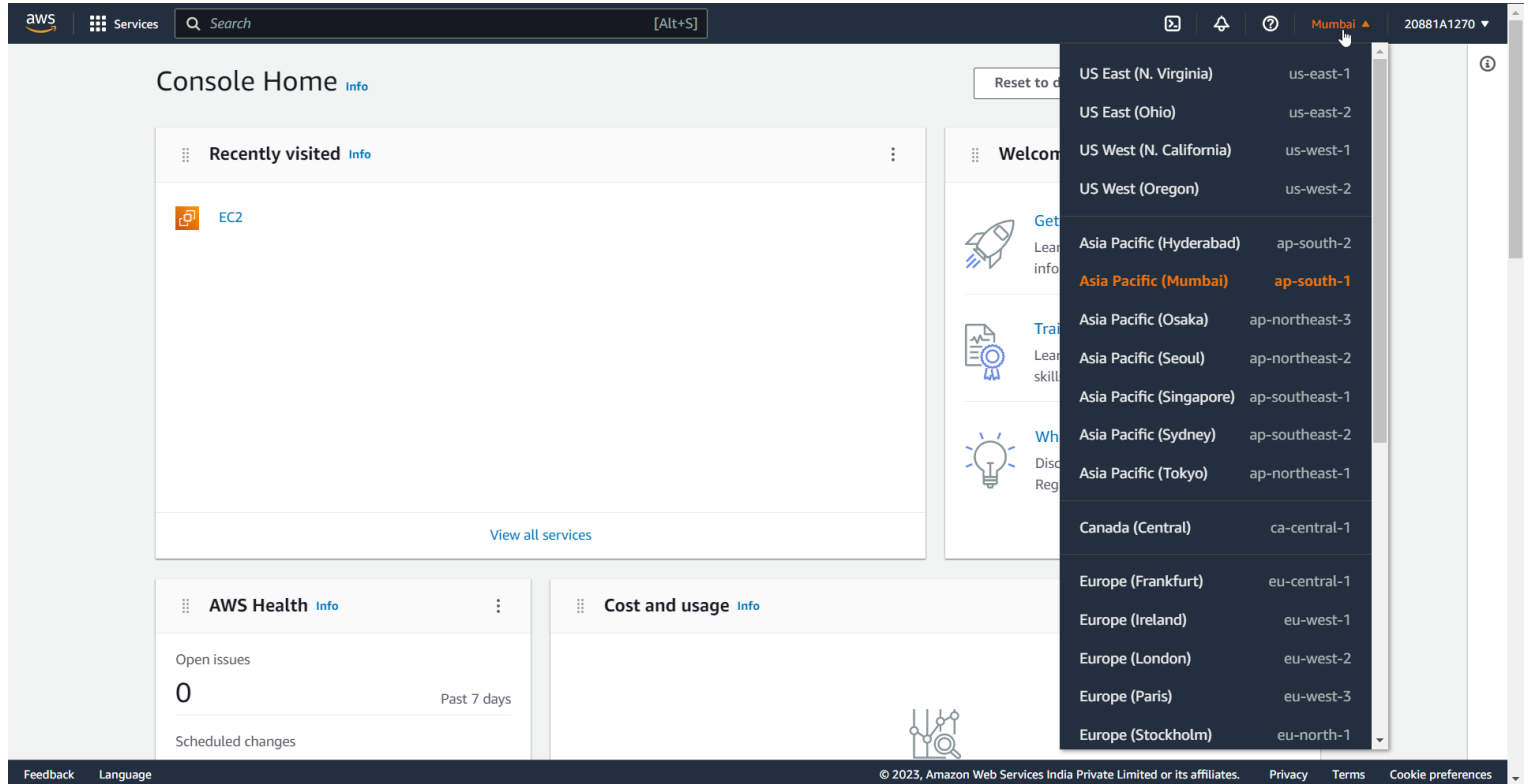


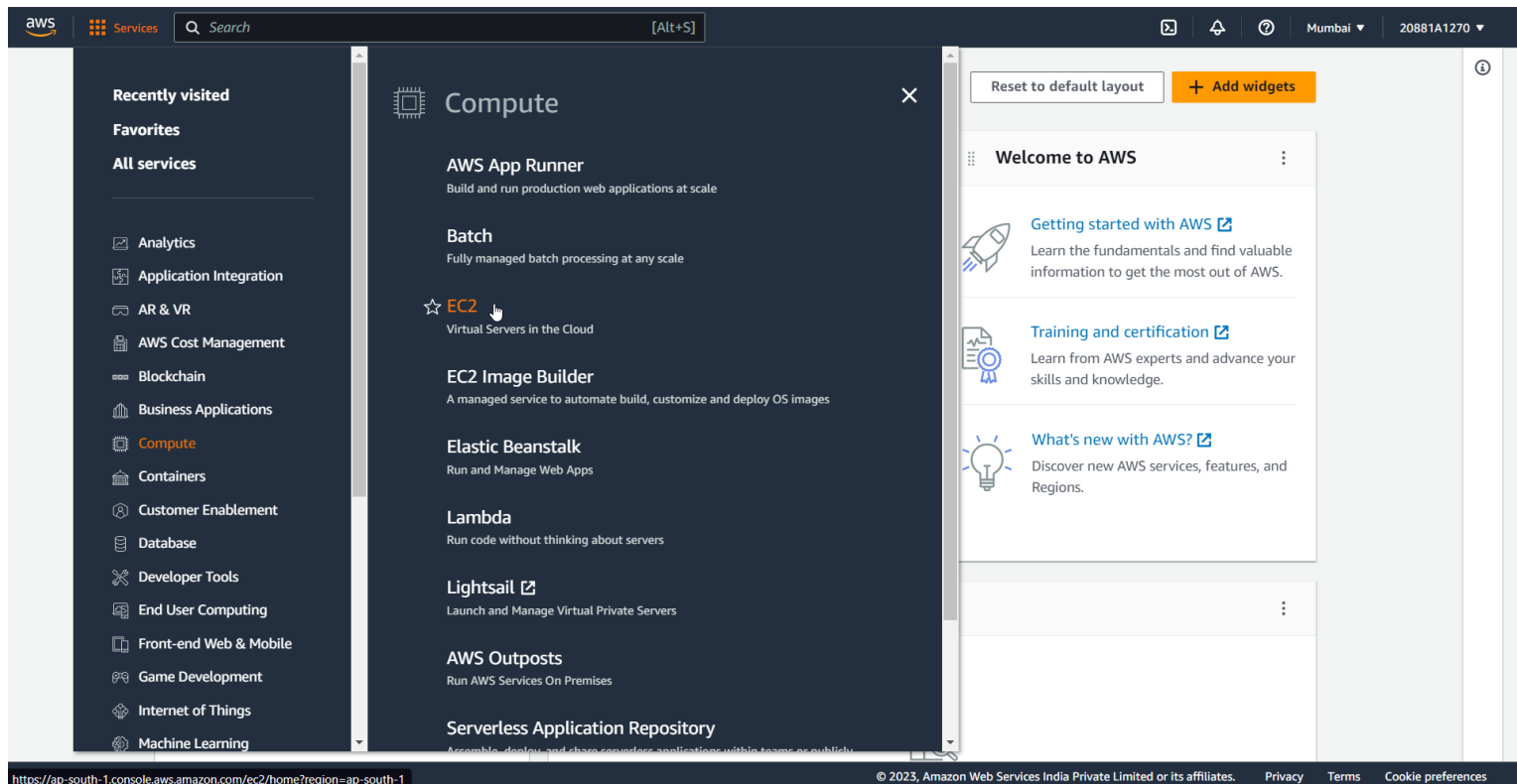
4. Create a ssh tunnel between your server in local machine and remote clients in EC2 instances and test the connections with programs using X11 traffic.

Go to <https://aws.amazon.com> and signup for an account (login if already created) and complete debit/credit card verification process.

After logging in, select the best suitable region for you from the top right corner.



Then go to Services > Compute > EC2



Click on Launch Instance

The screenshot shows the AWS Management Console interface. On the left, the 'EC2 Dashboard' is visible with a sidebar containing links to 'Instances', 'Images', and 'Elastic Block Store'. The main content area is titled 'Resources' and shows a grid of EC2 resources in the Asia Pacific (Hyderabad) region. The 'Launch instance' button is highlighted in the 'Launch instance' section. The 'Service health' section shows that the service is operating normally. The 'Account attributes' section shows supported platforms and default VPC. The 'Explore AWS' section provides information on reducing costs and enabling best price-performance with AWS Graviton2.

Resources

You are using the following Amazon EC2 resources in the Asia Pacific (Hyderabad) Region:

Instances (running)	0	Auto Scaling Groups	0	Dedicated Hosts	0
Elastic IPs	0	Instances	1	Key pairs	2
Load balancers	0	Placement groups	0	Security groups	2
Snapshots	0	Volumes	0		

Launch instance

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

Launch instance ▲

Launch instance

Launch instance from template

Note: Your instances will launch in the Asia Pacific (Hyderabad) Region

Scheduled events

Service health

AWS Health Dashboard

Region

Asia Pacific (Hyderabad)

Status

🟢 This service is operating normally

Zones

Zone name	Zone ID
ap-south-2a	aps2-az1

Account attributes

Supported platforms

- VPC

Default VPC

vpc-08c7bb0ad5212a75a

Settings

EBS encryption

Zones

Default credit specification

Console experiments

Explore AWS

10 Things You Can Do Today to Reduce AWS Costs

Explore how to effectively manage your AWS costs without compromising on performance or capacity. [Learn more](#)

Enable Best Price-Performance with AWS Graviton2

AWS Graviton2 powered EC2 instances enable up to 40% better price performance for a broad spectrum of cloud workloads. [Learn more](#)

Get Up to 40% Better Price Performance

Enter any Name for the instance

Application and OS Images (Amazon Machine Image) > Choose Amazon Linux

Instance type > Choose t2.micro

Key pair (login) > Click on “Create new key pair”

> Enter any name for key pair, Select Key pair type as **RSA**, Select Private Key file format as **.pem**

> Click on create Key pair

Network settings > Make sure “Allow SSH traffic from” is checked and “Anywhere” is selected.

The screenshot shows the 'Launch instance' wizard in the AWS Management Console. The 'Network settings' section is expanded, showing options for subnet, auto-assign public IP, and firewall (security groups). The 'Firewall (security groups)' section is set to 'Create security group'. The 'Allow SSH traffic from' checkbox is checked, and the 'Anywhere' option is selected. The 'Configure storage' section shows a single volume of 8 GiB, gp3 type, and root volume (Not encrypted). The 'Summary' section shows the number of instances as 1, the software image as Amazon Linux 2023 AMI, the virtual server type as t3.micro, and the firewall as a new security group. A 'Free tier' notification is displayed, stating that the first year includes 750 hours of t2.micro (or t3.micro) in the Regions in which t2.micro is unavailable, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet. The 'Launch instance' button is highlighted.

Subnet

No preference (Default subnet in any availability zone)

Auto-assign public IP

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-2' 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

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

Summary

Number of instances Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.0.2...read more

ami-0169afb24178be752

Virtual server type (instance type)

t3.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 I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel

Launch instance

Then click on “**Launch Instance**”

After the server starts running, select the instance to reveal the IP addresses

Note the “**Public IPv4 address**” of the instance.

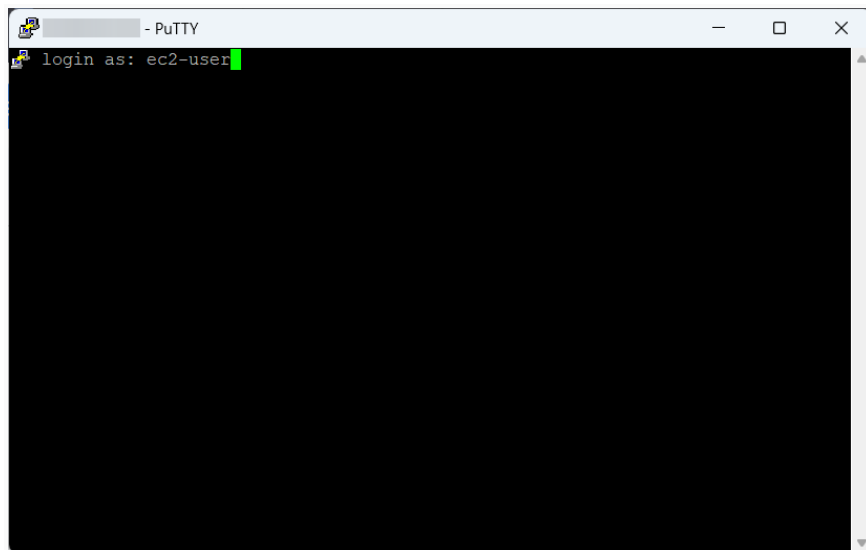
Open the **PuTTYgen** Software > Import key > Browse the .pem key which was downloaded before > Save private key

Now the key is saved in .ppk format.

Open **PuTTY** software > Enter the Public IPv4 address noted down before here at “Host Name (IP Address)”
Then, Goto the “**Auth**” section > Browse and select the .ppk key in the “Private key for authentication” field > Click “**Open**”.

Enter Username as “**ec2-user**”.

(Use "ubuntu" as the username for Ubuntu EC2 Instance.)



Now you can use the Linux Server EC2 Instance.

