# Experiment No: 4

Aim: To atudy and implement Infrastructure as a Service using AWS. sand 2000 200 ugmes probubnic 29200 224 1025 335 och The objective of this experiment is to study and implement Infrastructure as a service (lags) using 120 rbbo 9T sitenia (B) The focus will be on Amazon too including the creation and management of instances, Amazon Machine Images (AMI) , various types of Ecz computing hetances : Clastic IP address and a cressing Windows virtual machines having Remal Desktop Protocol. (RDP)

(998) Inches across strange ( Amazon Ecz. 7 Amazon Ecz is a web service that provides resizable compute capacity in the cloud It is designed to make web-scale cloud computing easier for developers. EC2 instances 'are virtual servers in the cloud that can run applications. 2) Amazon Machine Images (AMI) => An AMI is a pre-configured virtual machine image, which is used to create Erz instances. It contains necessary information to lounch an instances , including the Os, application server and applications.



- Types of E(2 Computing Instances!

  E(2) instances come in various types optimized

  for different use cases, including computeoptimized, memory-optimized, storage-optimized

  and GPU instances,

  For eng., t2 micro, mB, large, etc.
  - 4) Flastic TP address . 21/2
- An elastic IP address is a static IPV4

  address designed for dynamic cloud computing.

  It can be associated with ECE instances,

  providing a consistent IP address even if the
  instance is stopped and started.
- E) Remode declatop Brotocol (RDP)

  =) RDP is a proprietary protocol developed by

  Mirrosoft, which provides a user with a

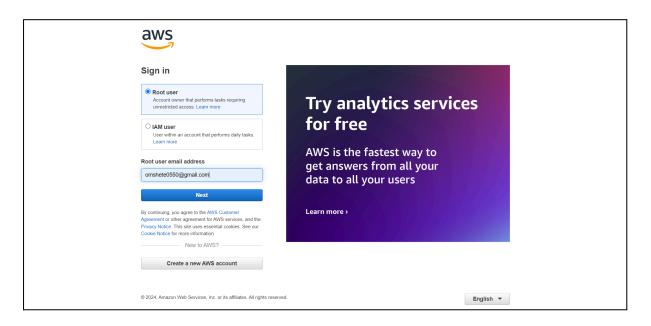
  graphical interface to connect to another

  compute over a network connection.

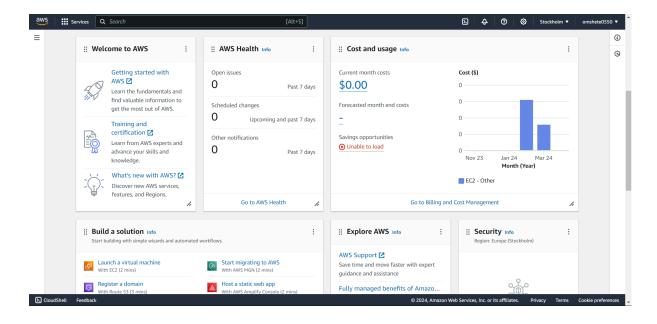
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## **Output:**

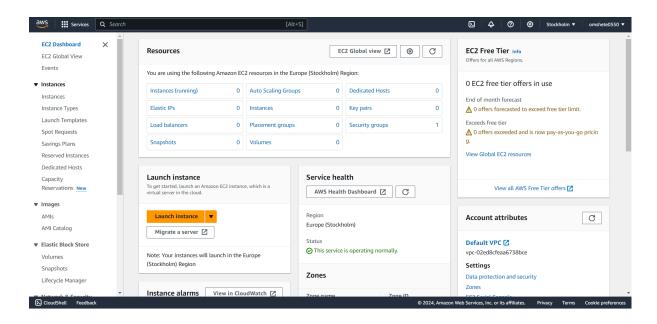
1. Create an AWS account and Login



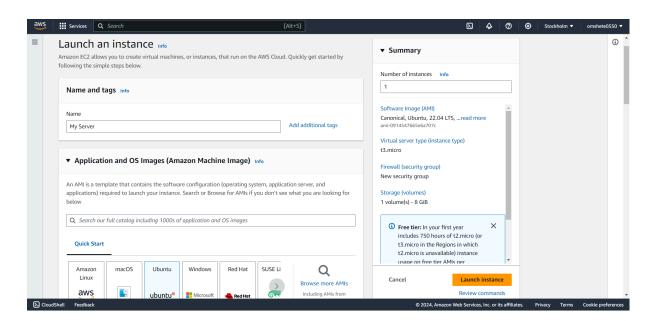
2. On Homepage Select Launch a Virtual Machine

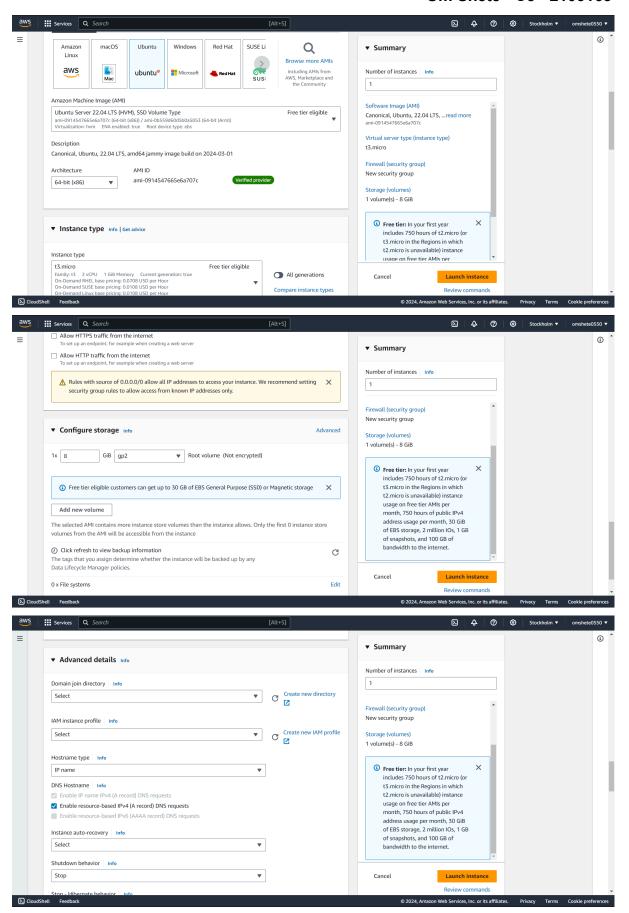


#### 3. Select Launch Instance

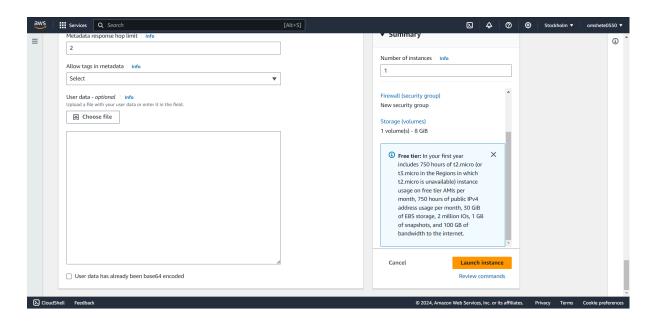


## 4. Select the Instance Specifications

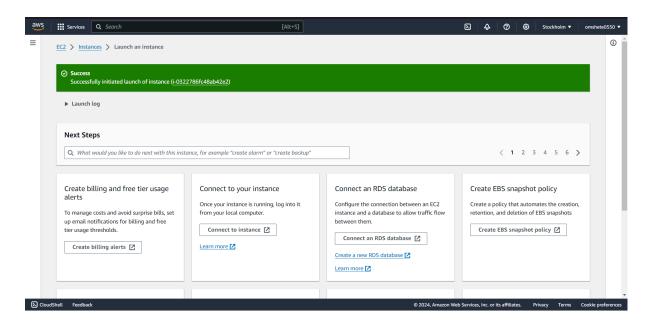




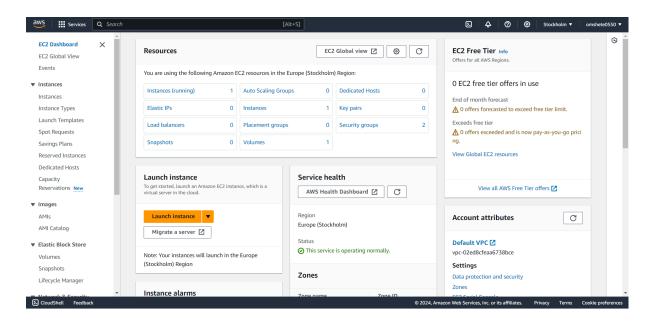
## 5. Click on Launch Instance on the right



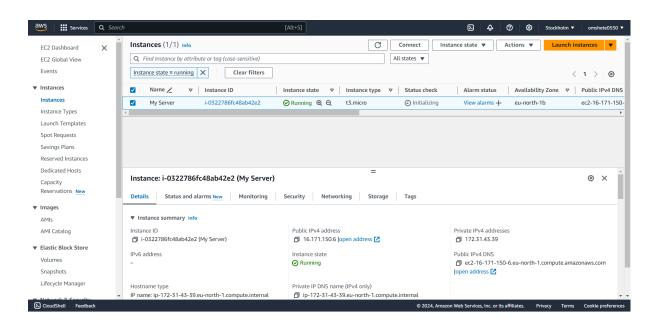
## 6.Instance Created Successfully

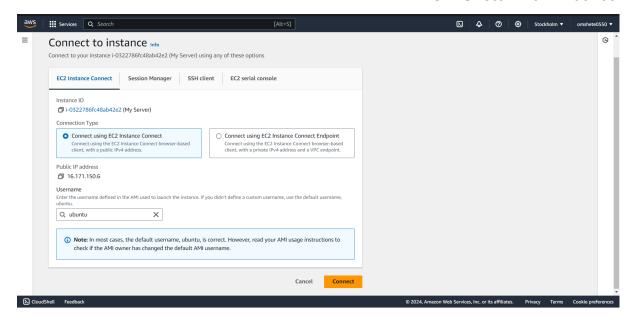


## 7. On EC2 Dashboard Click Instances(running)

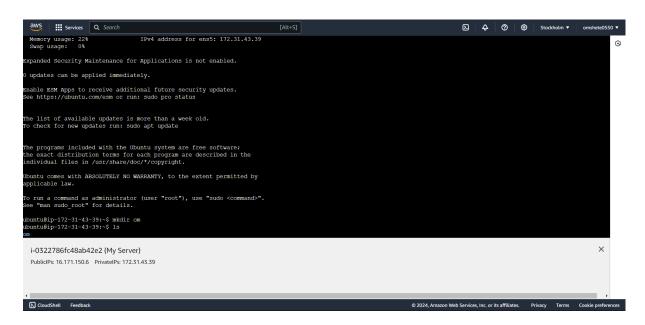


#### 8. Click on Connect

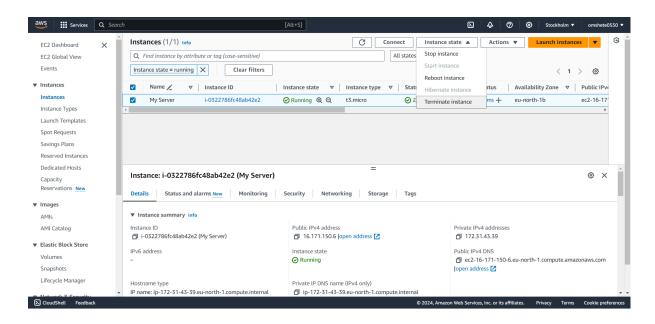




9. After Connecting to the Instance you can run any Linux command



## 10. Now Go to EC2 Dashboard and Select Instance State



#### 11. Select Terminate Instance

