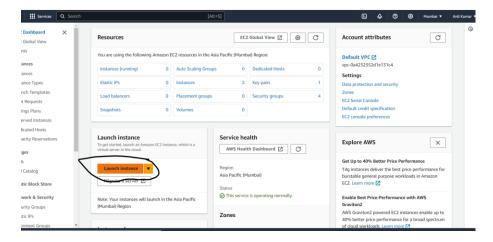
# 1. L1 - Demonstrate the AWS EC2 Ubuntu Instance Creation steps and connect to EC2 Instance using Mobaxterm/putty agent Ans:- Steps to create EC2 instance are

First of all login the aws console.

Step1:- Type EC2- in search box of console of accunt and then click on launch ec2

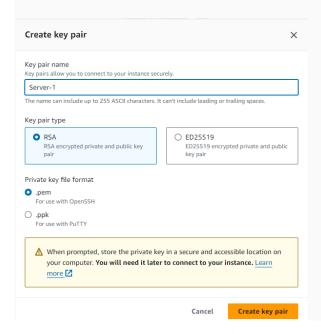


#### Configure the server specification

Server Name =Server1 → Application and OS Images (Amazon Machine Image)= Ubuntu server 2023 free tier → instance type = T2 micro

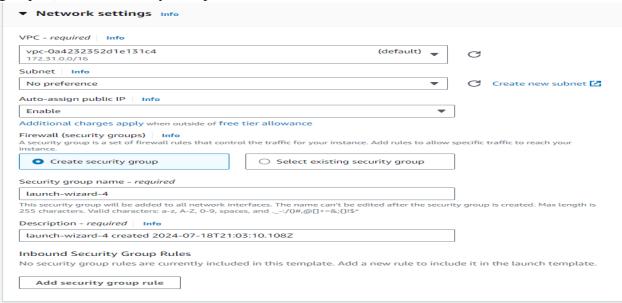
## Key pair (login)

reate new key pair → Key pair name=server-1 → Key pair type=RSA → .pem → Create new keypair

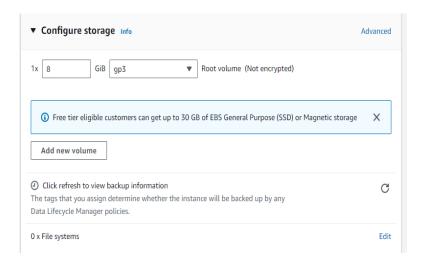


### Network settings→

Edit → Auto-assign public IP=Enable → Firewall (security groups)= Create Security group → Inbound Security Group Rules=SSH enable



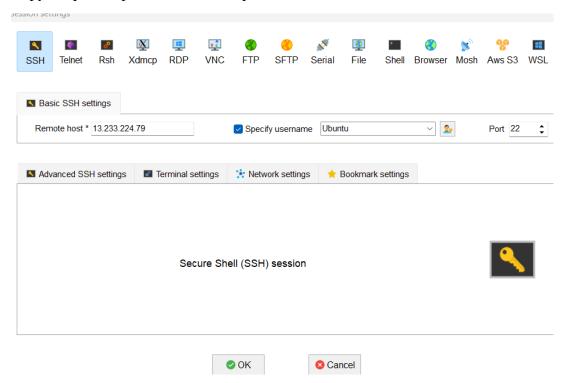
# **Configure Storage**



#### Then Launch Instance

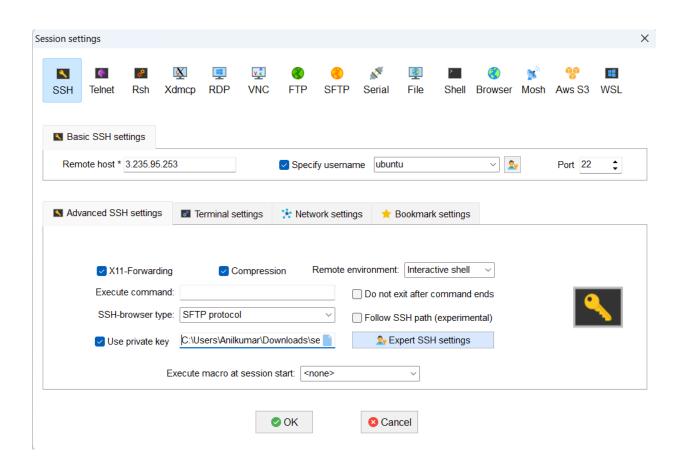
# **Step2: Connect to mobaxterm**

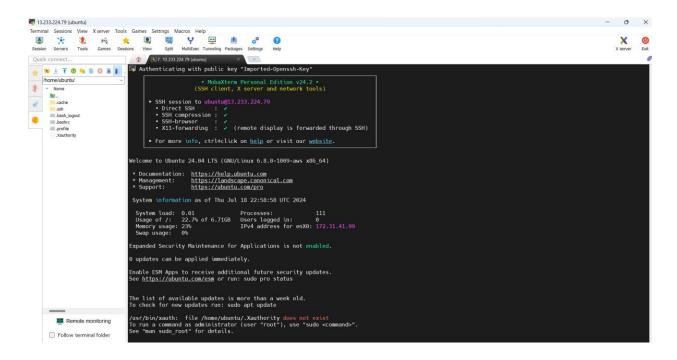
Copy the public ip of instance and open the mobaxterm and click the the SSH



Then check on specify username click on box and type = "Ubuntu" →

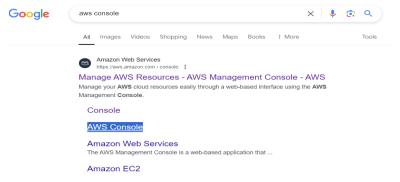
Advance SSH Setting  $\rightarrow$  check on use private key  $\rightarrow$  select the public key  $\rightarrow$  ok  $\rightarrow$  accept





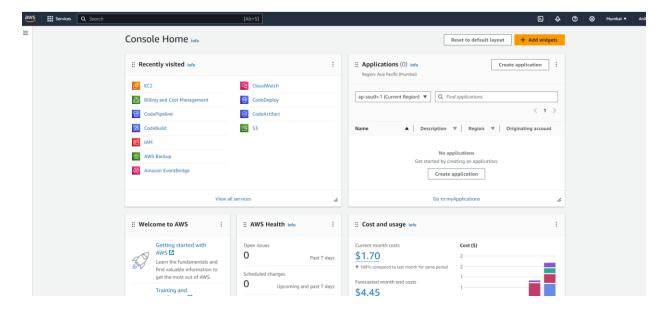
# 2. L2 - Login to AWS Console and Create IAM User, Role, and Group

Ans-first of all open chrome browser and search AWS console and click on it.



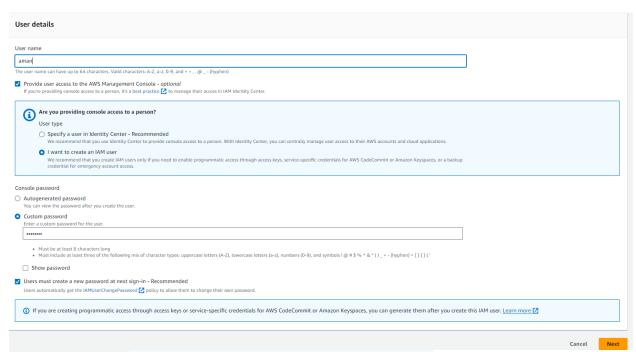
Step 1:- Login your credential of AWS account



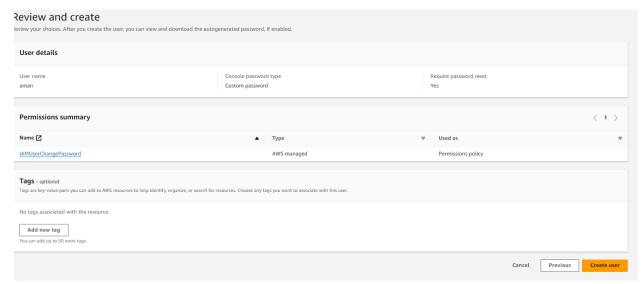


**Step 2:- IAM User creation** 

Type IAM in Search box  $\rightarrow$  click on IAM  $\rightarrow$  Access management  $\rightarrow$  click on user  $\rightarrow$  Create User  $\rightarrow$  User name = Aman  $\rightarrow$  click on check box **Provide user access to the AWS**Management Console - *optional*  $\rightarrow$  click on I want to create an IAM user  $\rightarrow$  Console password  $\rightarrow$  Custom password = xxxxxx  $\rightarrow$  next

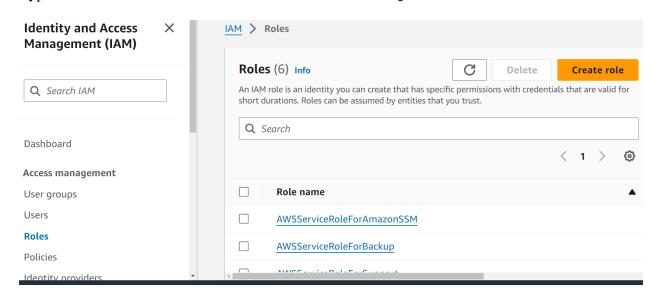


Set permissions  $\rightarrow$  Add user to group  $\rightarrow$  Next  $\rightarrow$  click on create user

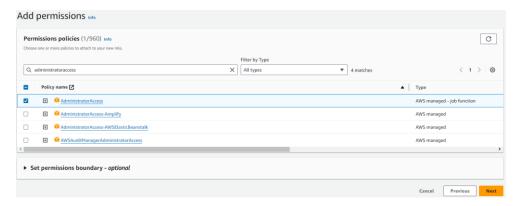


**Step 3:- Role creation** 

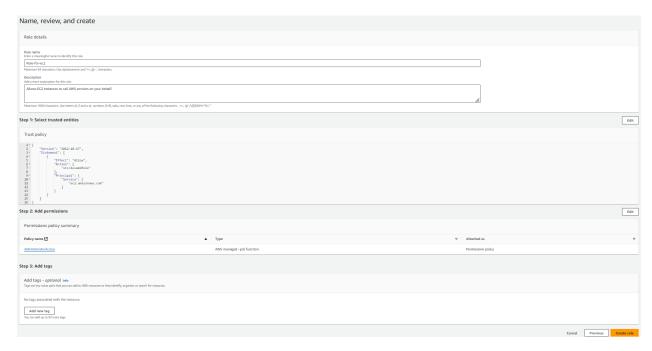
Type IAM in Search box → click on IAM → Access management → click on Roles



Trusted entity type = AWS Services  $\rightarrow$  Service or use case = EC2 $\rightarrow$  Next  $\rightarrow$  Add permissions= Adminstrator access  $\rightarrow$  Next



#### Role name= Role-for-ec2 → Create Role



#### **Step 4:- Group creation**

Type IAM in Search box  $\Rightarrow$  click on IAM  $\Rightarrow$  Access management  $\Rightarrow$  click on User Groups  $\Rightarrow$ Click on Create Group  $\Rightarrow$ 



Name the group = Finance-Group  $\rightarrow$  Add users to the group  $\rightarrow$  check on finance group user to add on finance group  $\rightarrow$  Attach permissions policies  $\rightarrow$  administrator access  $\rightarrow$  click on create user and group

