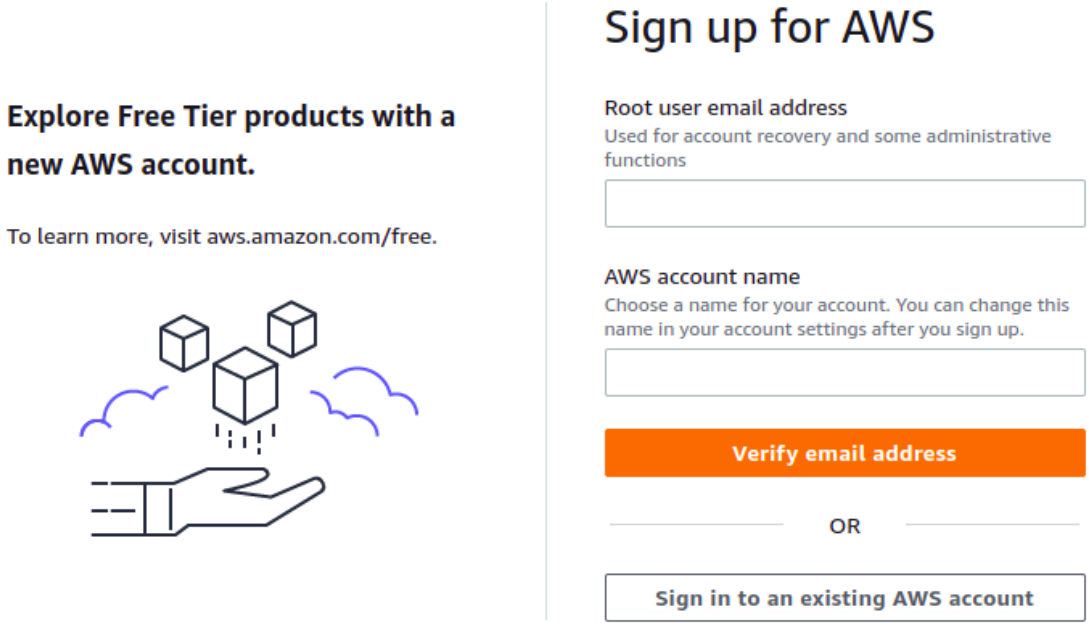
Steps to Creating a Free tier AWS Account

Step 1: Sign Up for an AWS Account

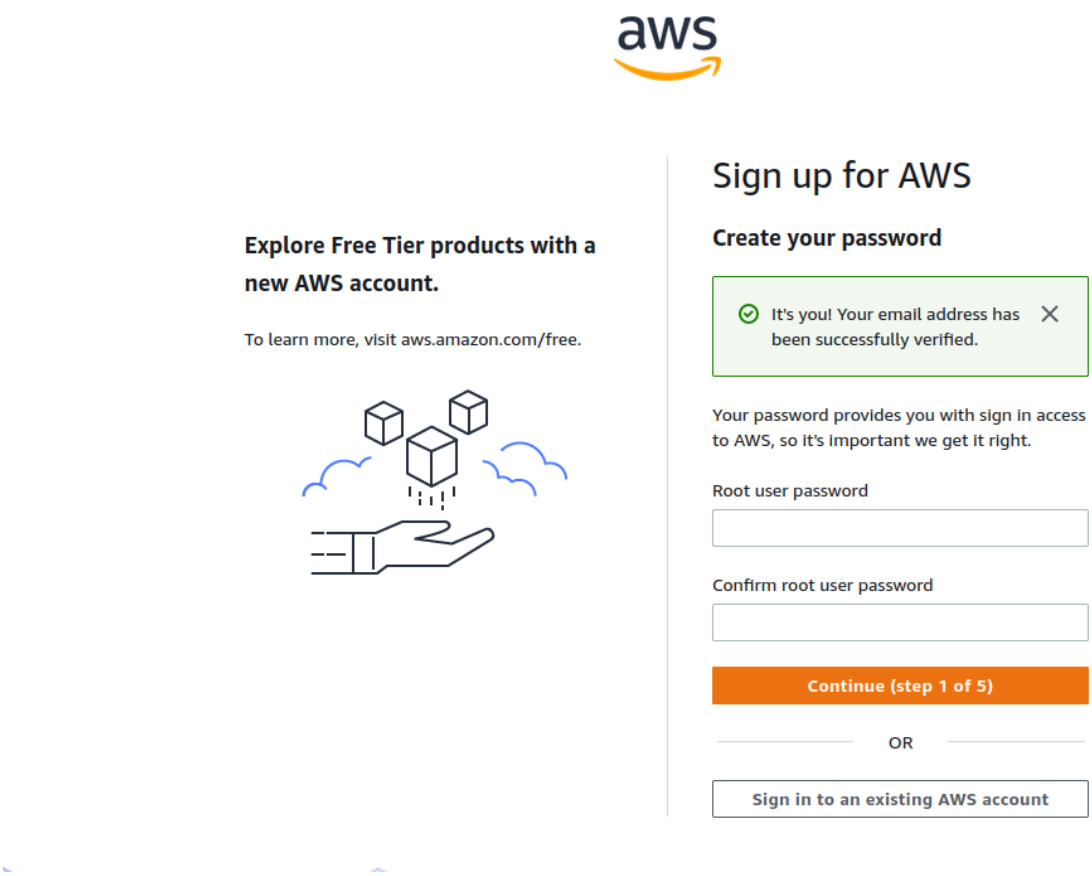
- Open AWS Sign-up Page in any browser.

- Enter your email address and AWS account name.
- Click “Verify Email Address” and enter the verification code received in your email.



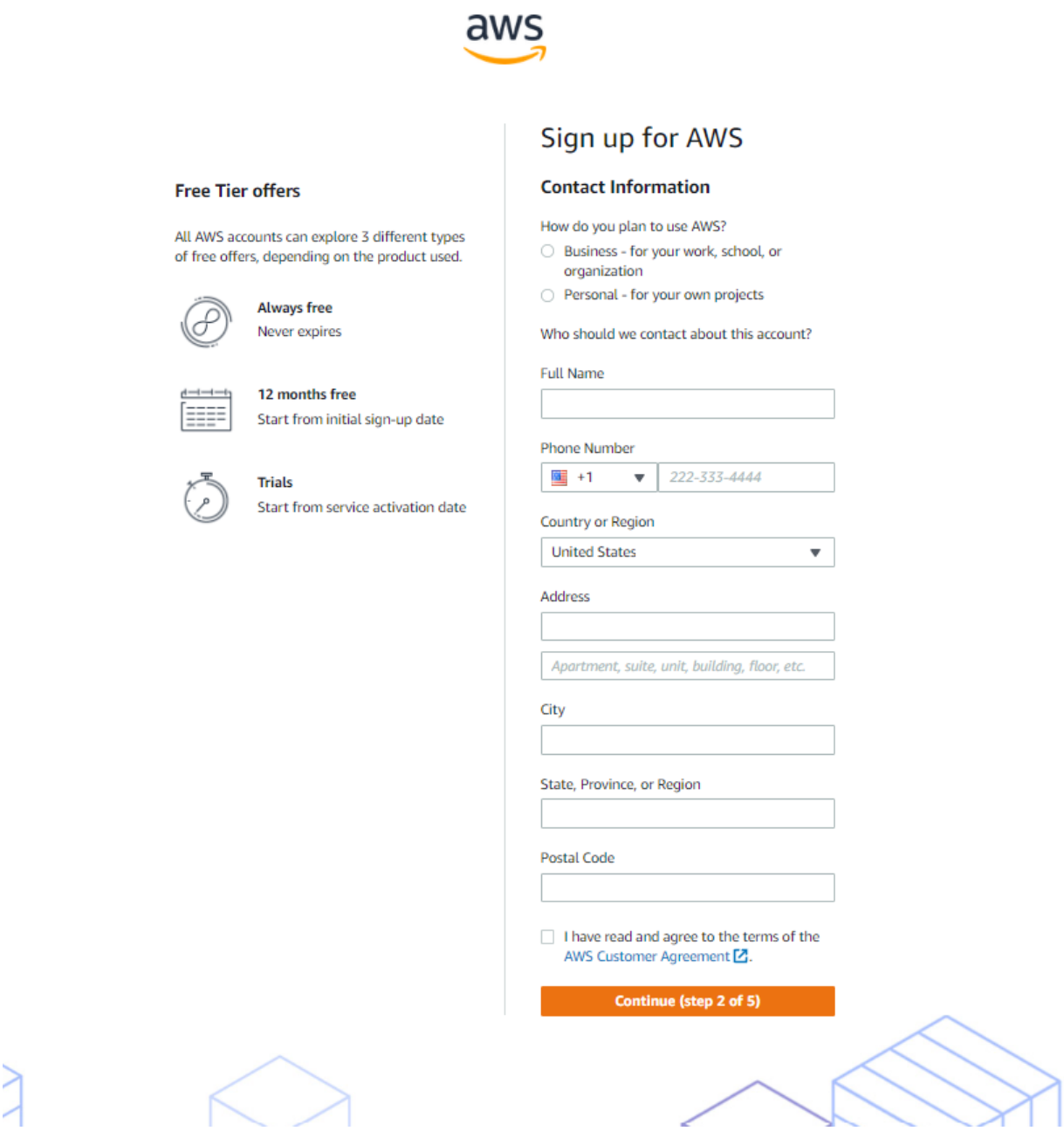
Step 2: Set Root User Password

- Enter and confirm the Root user password.
- Click “Continue (step 1 of 5)”.



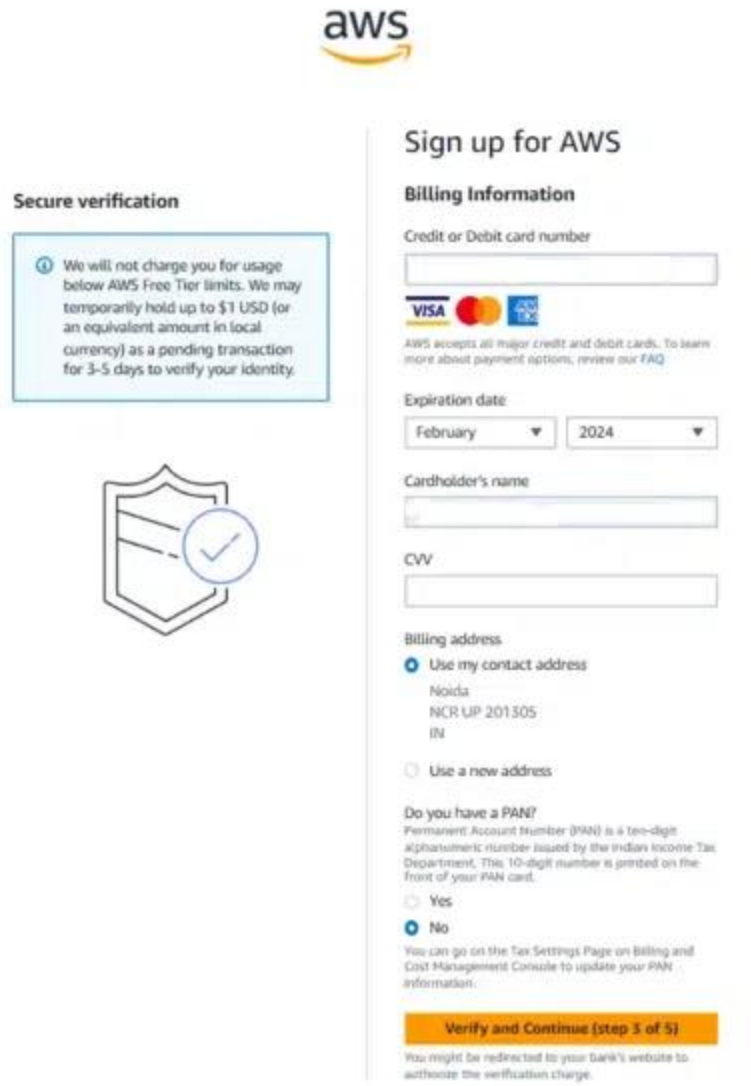
Step 3: Account Type Selection

- Choose “Personal – for your own projects”.
- Fill in personal details like full name, contact number, country, and address.
- Click “Continue (Step 2 of 5)”.



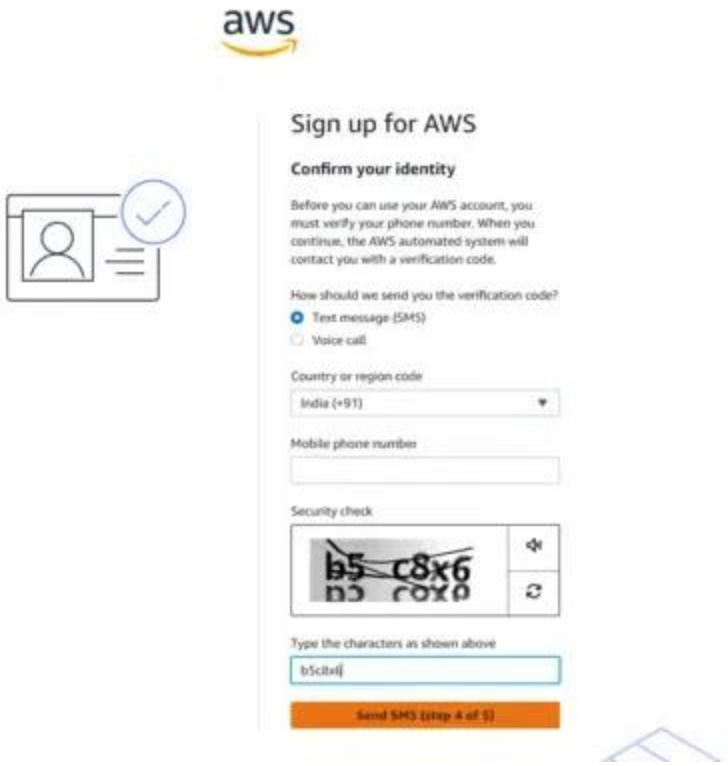
Step 4: Billing Information

- Enter billing details.
- Click “Verify and Continue”.



Step 5: Identity Verification

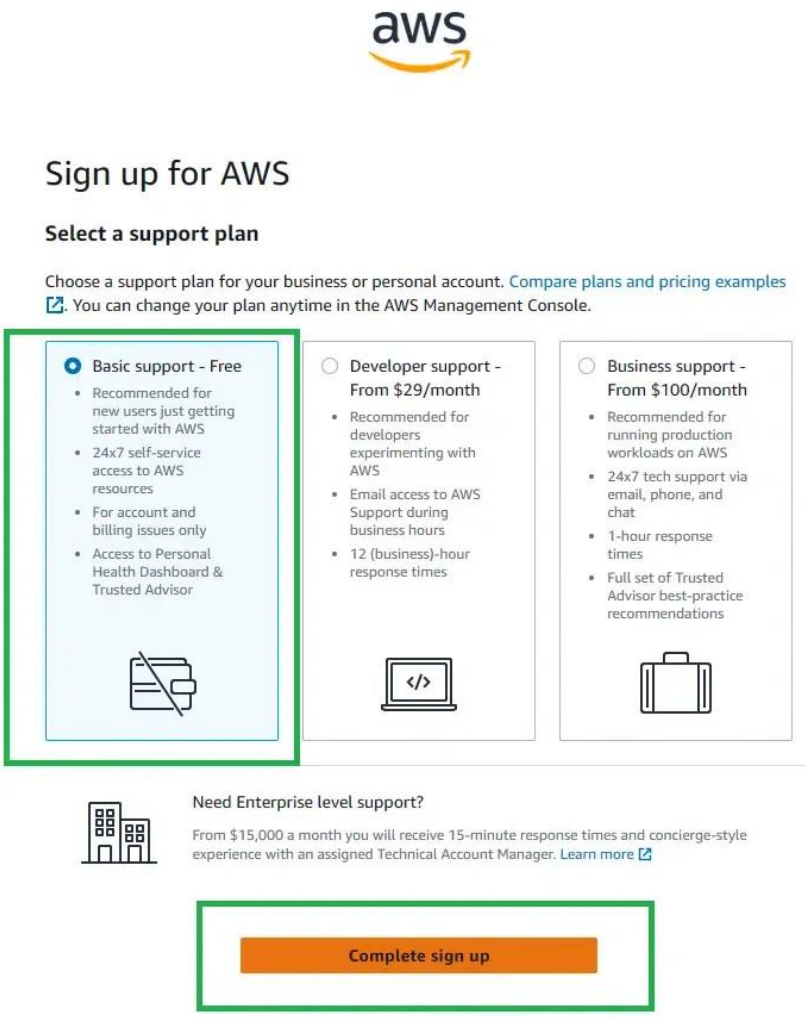
- Confirm identity via mobile number or email.
- Enter verification code.
- Click “Continue”.



Step 6: Select Support Plan

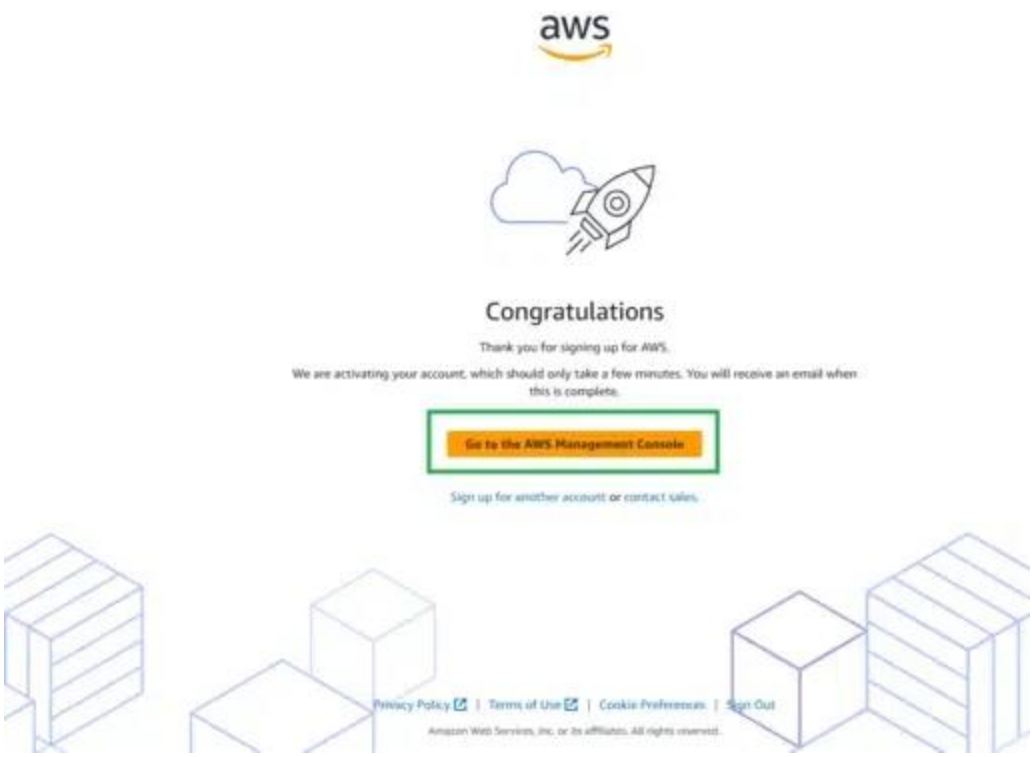
- Choose “Basic Support – Free”.

- Click “Continue”.



Step 7: Account Confirmation

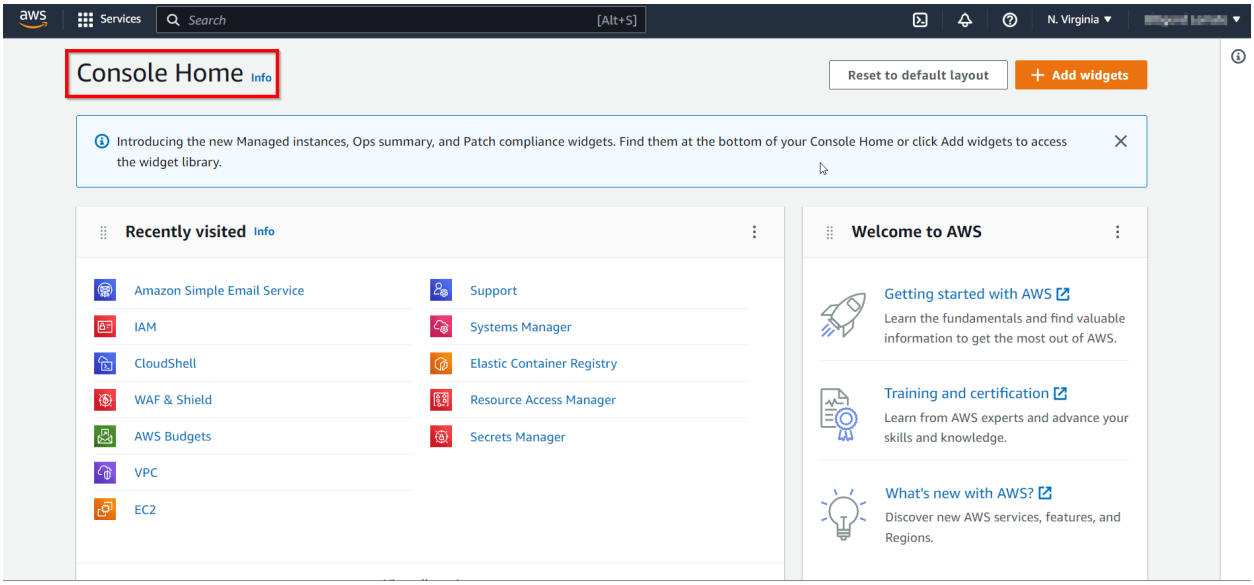
- AWS account is successfully created and ready for use.



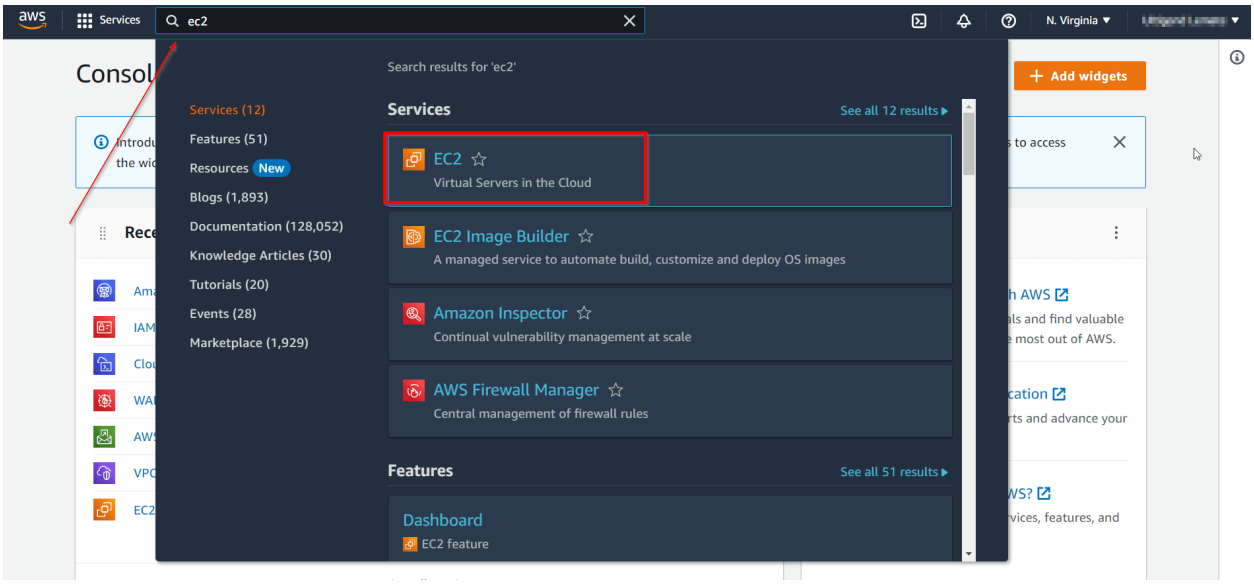
Launch an Ubuntu VM on AWS

Steps to Create AWS Ubuntu Virtual Machine [EC2 Instance]

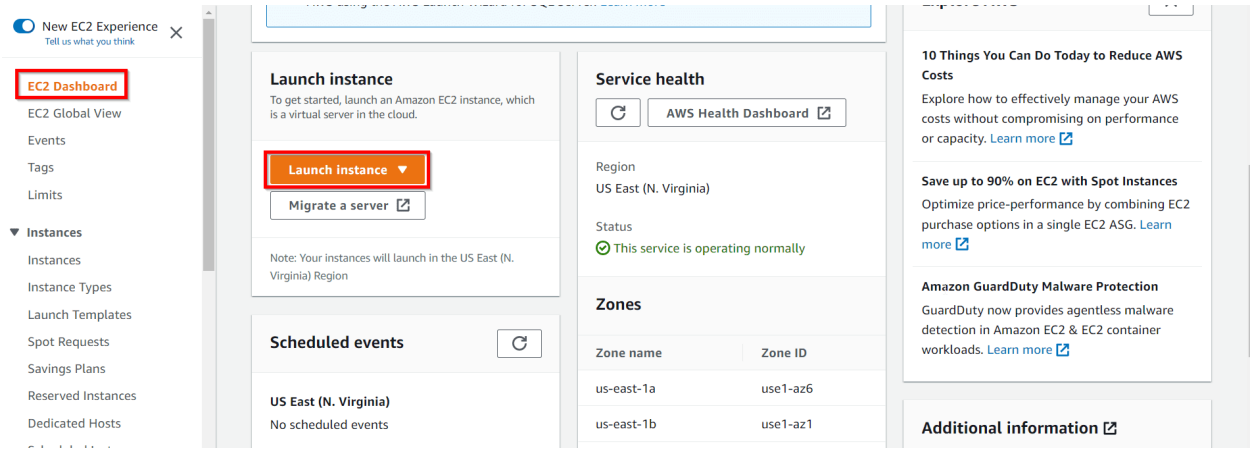
Step 1: Open your AWS console and log in.



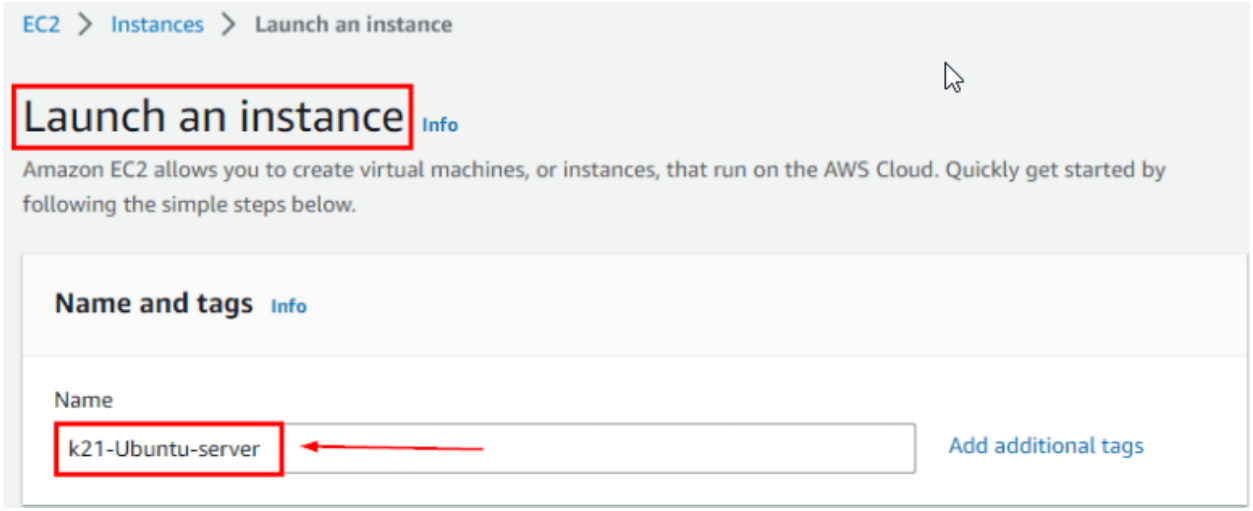
Step 2: Search for EC2 in the search bar and click on it.



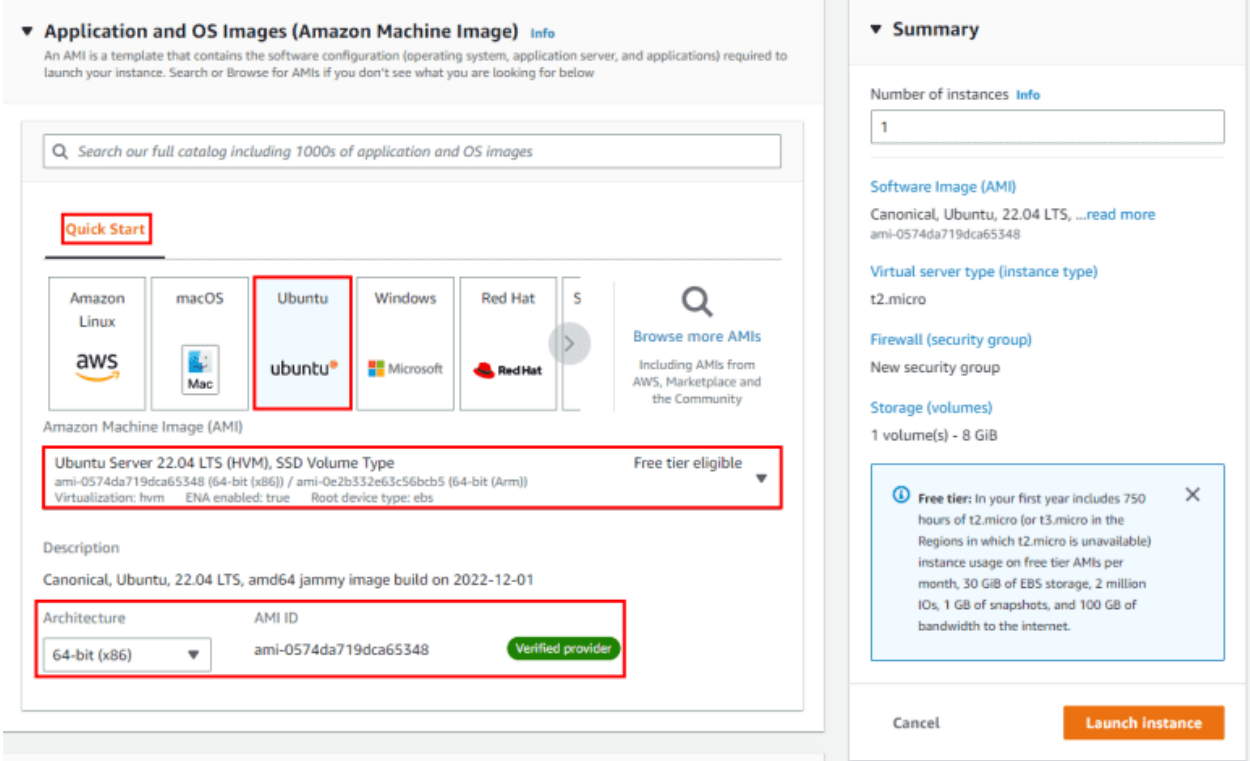
Step 3: Once you are at the EC2 Dashboard, click on Launch to launch an instance.



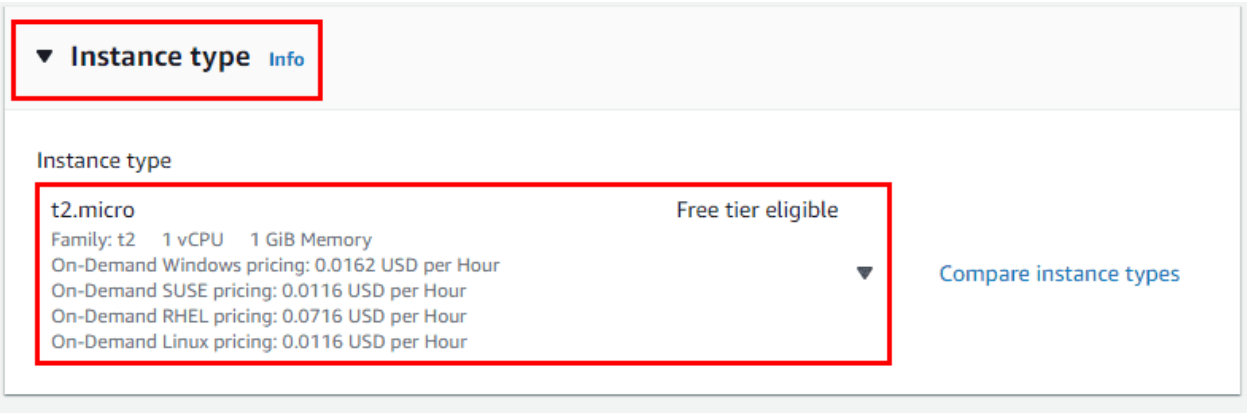
Step 4: In the Name and Tags step you can add tags to an instance, here tags help you to enable categorizing AWS resources in different ways, for example, by owner, environment, or purpose.



Step 5: Choose Ubuntu, select Ubuntu Server (HVM) architecture, and Click on Select.

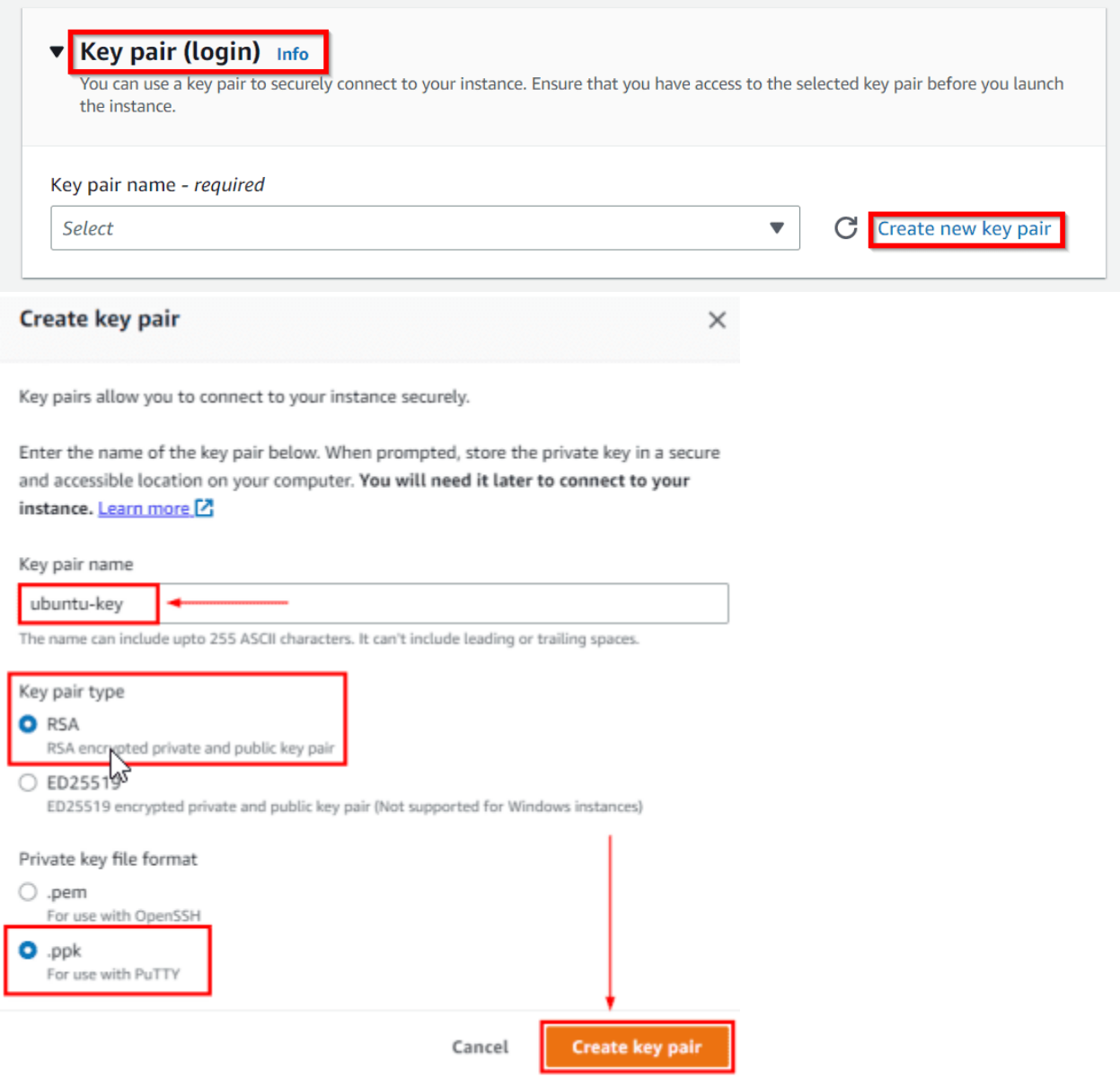


Step 6: For Select the t2.micro instance type, if you want you may select another instance type but they are chargeable so we choose the t2.micro instance type which is eligible for the free tier and limited resources.

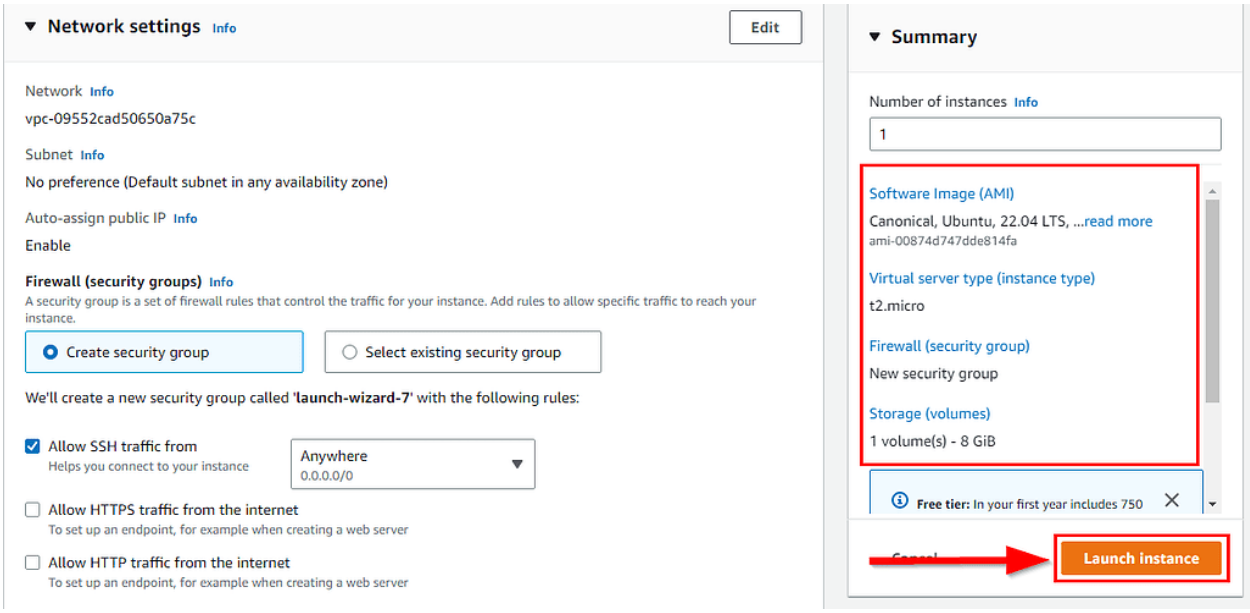


Note: Here we must choose the instance type as t2.micro because it is free tier eligible. So, please make sure you select the t2.micro as the instance type else you shall be charged for running instances from Paid AMI.

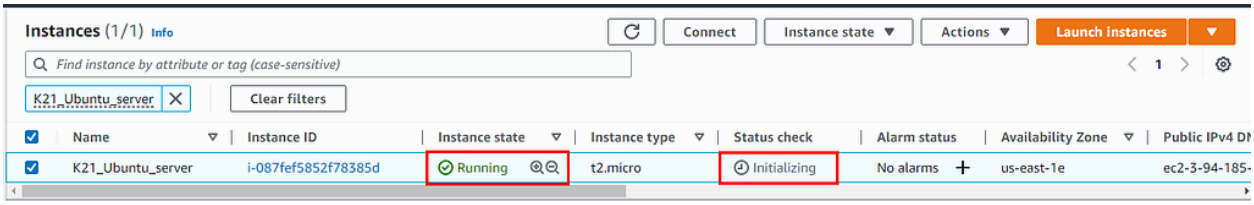
Step 7: Select an existing key pair or create a new one, we will Create a new one, enter the name of the Key-pair as ubuntu-Key, select .ppk, and Create the Key Pair.



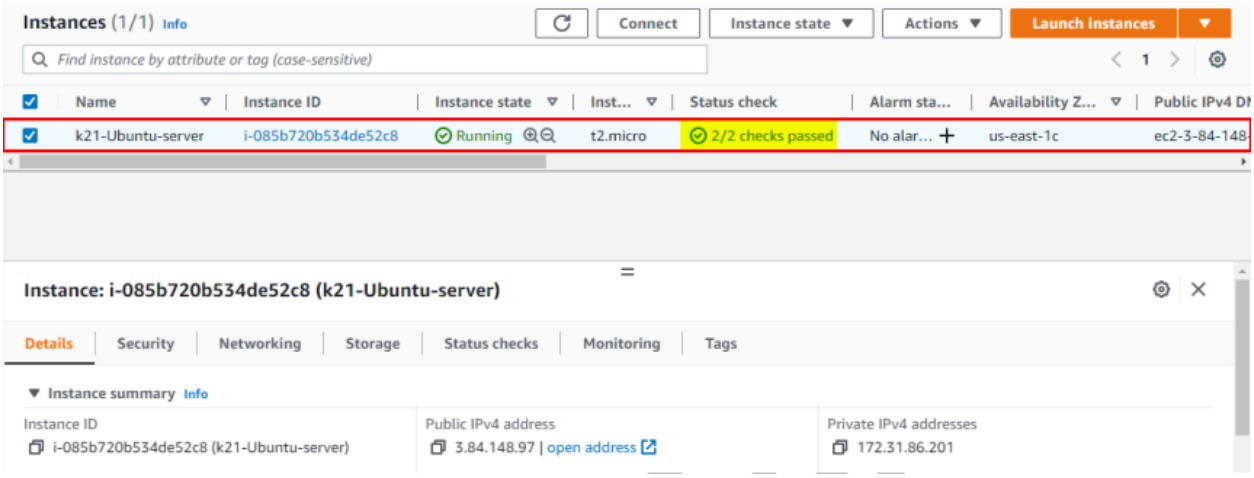
Step 8: Now review all the things you have Configured and Click on Launch Instance.



Step 9: Now Click on View all Instances. Here, you shall see your instance is launching and the Status check is Initializing, wait for some time.



Step 10: Refresh and you shall see your instance are Up and Running, and the Status check has changed to 2/2 checks.

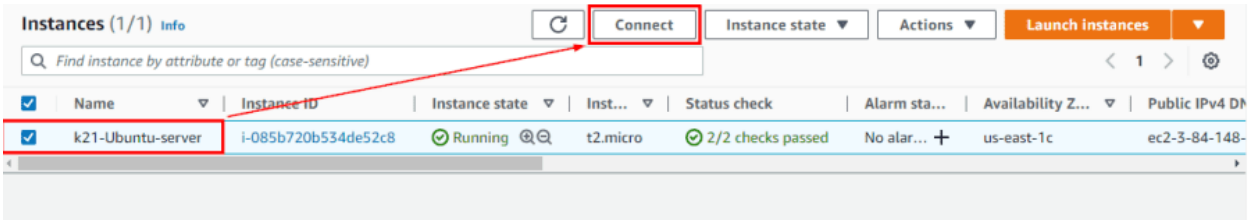


Now, we have successfully created our Ubuntu EC2 Instance (VM) on AWS.

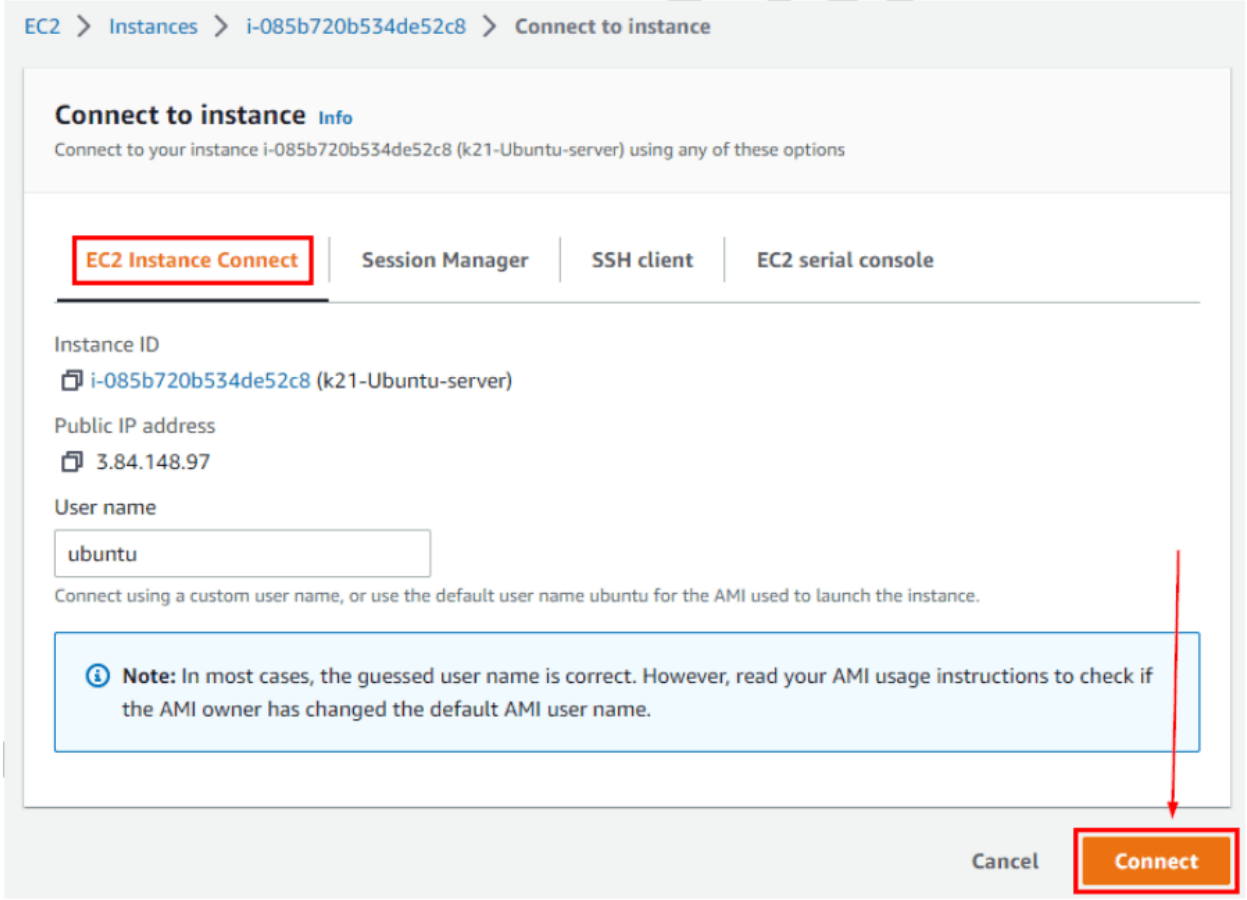
Note: *Now, wait for the Status check of the instance to change to 2/2 checks pass and then only proceed with further steps, and if the status check has not passed then you shall get an error in the further steps so please wait.*

Connect To Ubuntu Virtual Machine

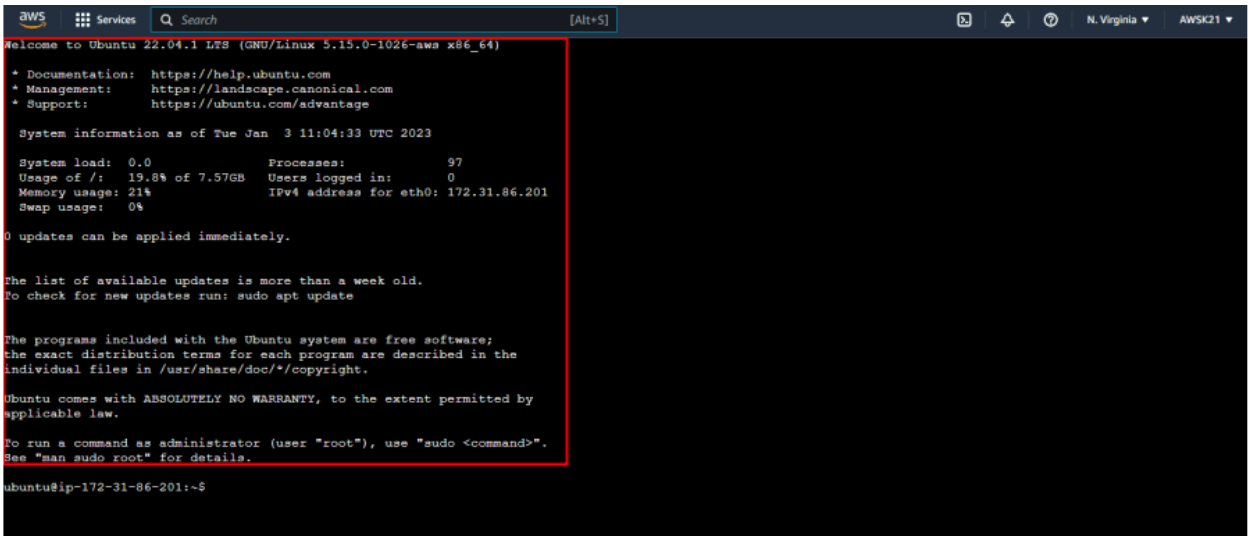
Step 11: Select your Instance and Click on Connect.



Step 12: Select EC2 Instance Connect and Click on Connect.



Step 13: Now you shall be redirected to a new window and you shall see the Ubuntu CLI.


aws
Services
Search
[Alt+S]
N. Virginia
AWSK21
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1026-aws x86_64)
* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
* Support: https://ubuntu.com/advantage
System information as of Tue Jan 3 11:04:33 UTC 2023
System load: 0.0
Usage of /: 19.8% of 7.57GB
Memory usage: 21%
Swap usage: 0%
Processes: 97
Users logged in: 0
IPv4 address for eth0: 172.31.86.201
0 updates can be applied immediately.
The list of available updates is more than a week old.
To check for new updates run: sudo apt update
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
ubuntu@ip-172-31-86-201:~$