

# Launch EC2 Instance:

## What is an Amazon EC2 instance?

An Amazon EC2 instance is a virtual server in Amazon's Elastic Compute Cloud (EC2) for running applications on the Amazon Web Services (AWS) infrastructure.

[https://www.techtarget.com/searchaws/definition/Amazon-EC2-instances#:~:text=An%20Amazon%20EC2%20instance%20is,Web%20Services%20\(AWS\)%20infrastructure.](https://www.techtarget.com/searchaws/definition/Amazon-EC2-instances#:~:text=An%20Amazon%20EC2%20instance%20is,Web%20Services%20(AWS)%20infrastructure.)

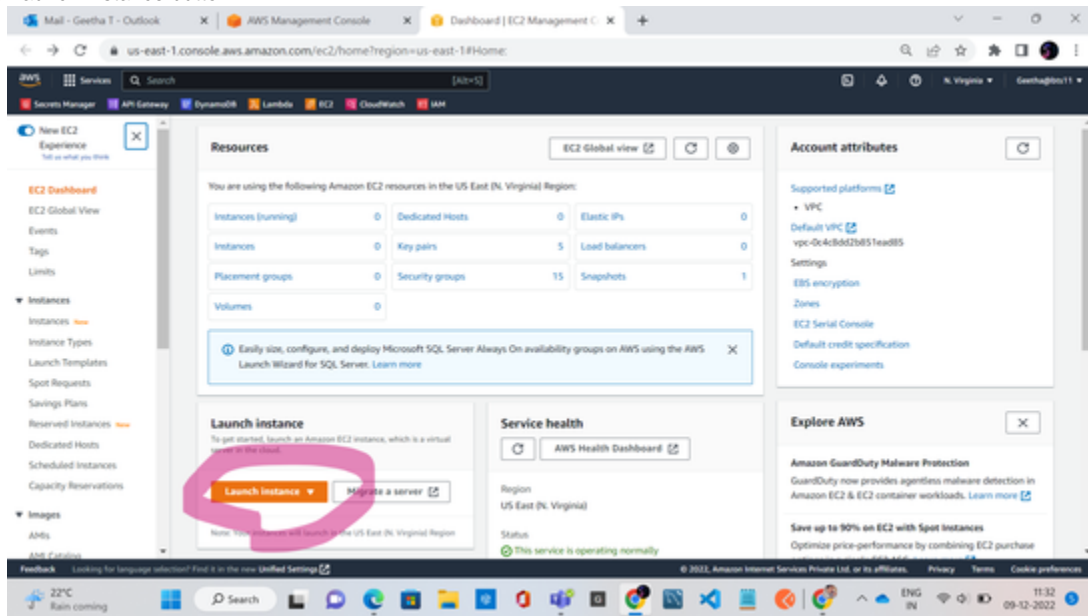
Launch an instance:

launch a Linux instance using the AWS Management Console steps:

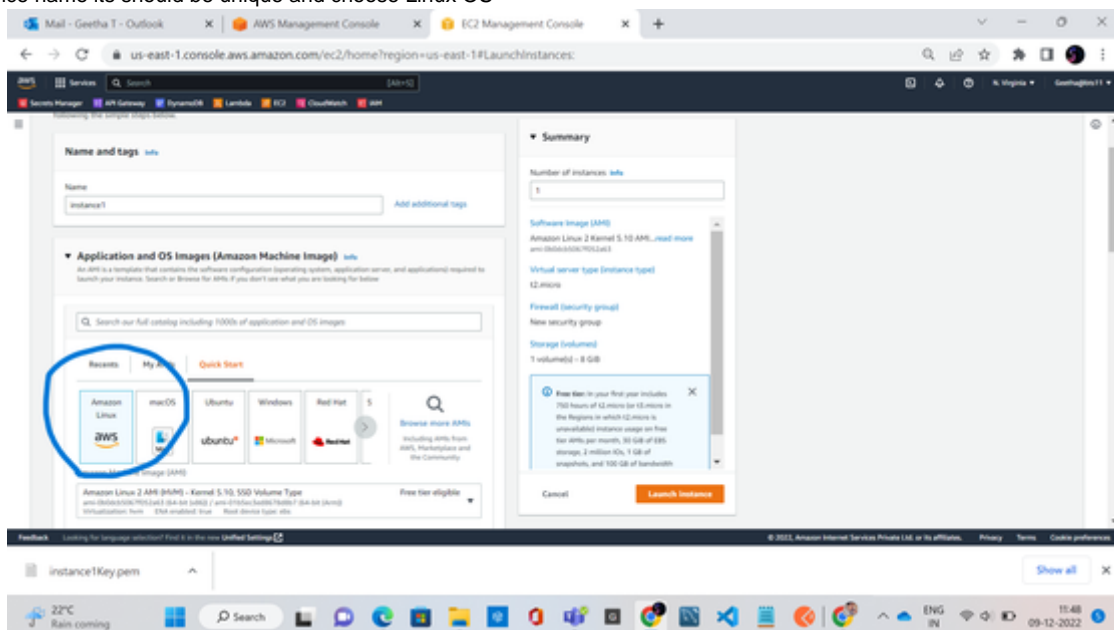
[https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EC2\\_GetStarted.html](https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EC2_GetStarted.html)

Go to the Aws console for click this link <https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:>

### 1. click the Launch instance button

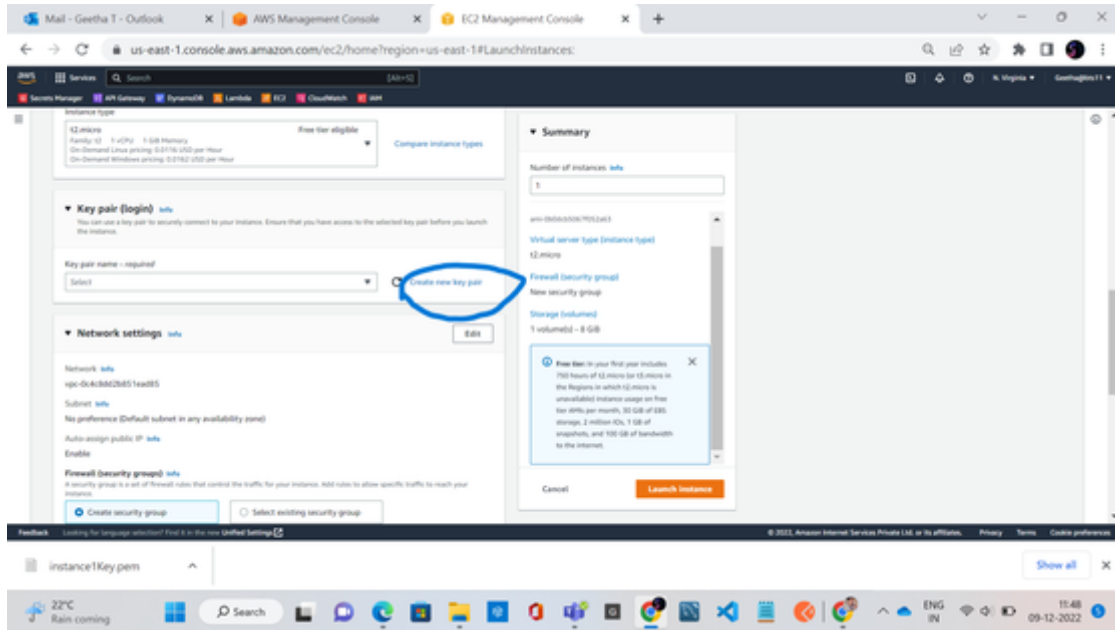


### 2. Give instance name its should be unique and choose Linux OS

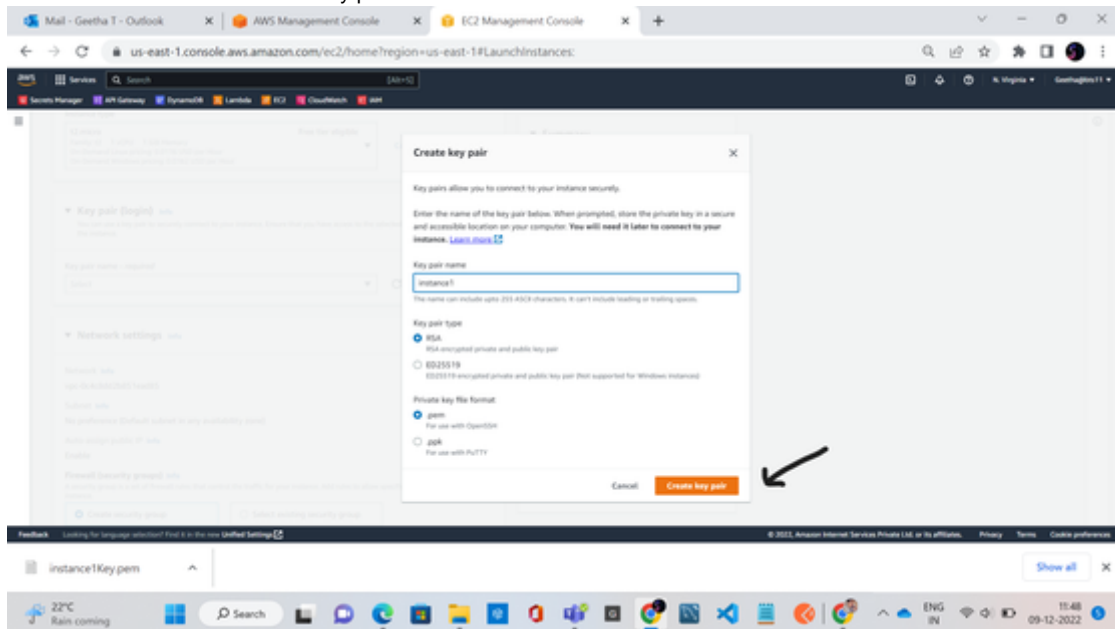


### 3. Set the other options should be default and if we have any other changes in default, based on the project need we can change.

4. click on the button create new key pair



5. Give Key pair name then click on the create key pair button

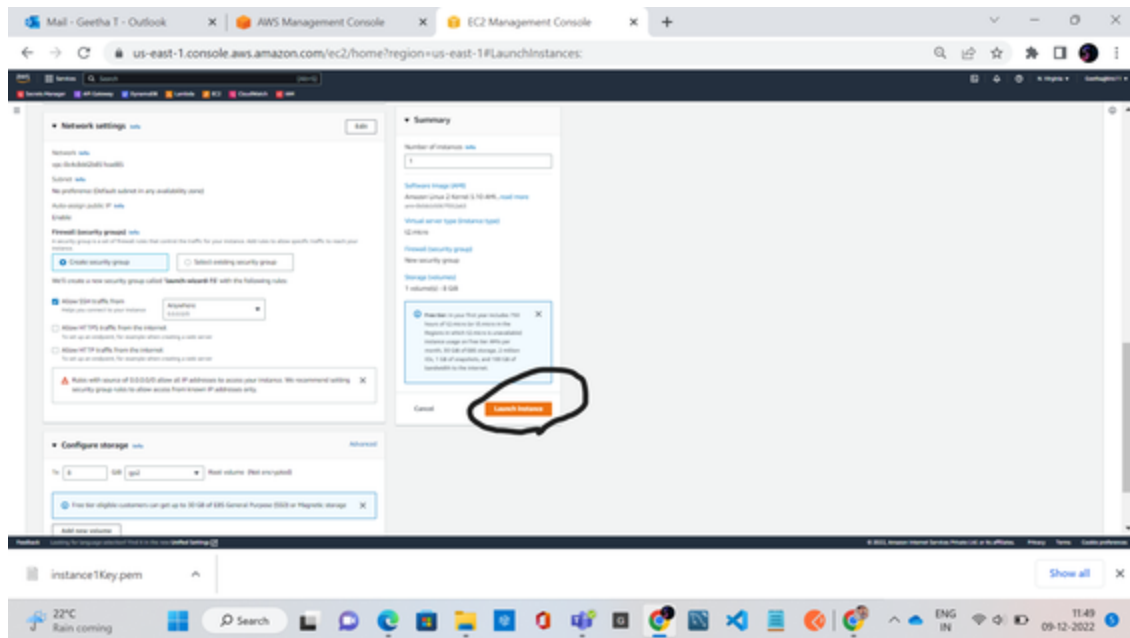


### Warning

Do not choose **Proceed without a key pair (Not recommended)**. If you launch your instance without a key pair, then you can't connect to it.

6. Keep the default selection for the other configuration setting your instance.

7. Review a summary of instance configuration in the summary panel, click on the Launch button.



8. A confirmation page lets us know that instance is launching. Choose **View all instances** to close the confirmation page and return to the console.

9. Click the instance for view all information.

10. On the **Instances** screen, you can view the status of the launch. It takes a short time for an instance to launch. When you launch an instance, its initial state is **pending**. After the instance starts, its state changes to **running** and it receives a public DNS name.

11. It can take a few minutes for the instance to be ready for you to connect to it. Check that your instance has passed its status checks; you can view this information in the **Status check** column.

12. Connect EC2 instance to the Linux machine using private key pair, followed by below steps.

1. Go to applications **putty gen** , click load and select the key **.pem** and save as a private key it could be converted by **.ppk file**.
2. Check key pair changed by a **.ppk**.
3. Then go to application **putty configuration** and paste the public Ip address from the running instance. SSH Auth Credentials choose key pair open.

13. Linux machine open successfully.

```
sudo su
yum
yum update -y
yum install httpd
systemctl start httpd
systemctl enable httpd
```

```
cd /var/www/html
ls
ls -la
echo "Welcom to Quinnox"> /var/www/html/index.html
```