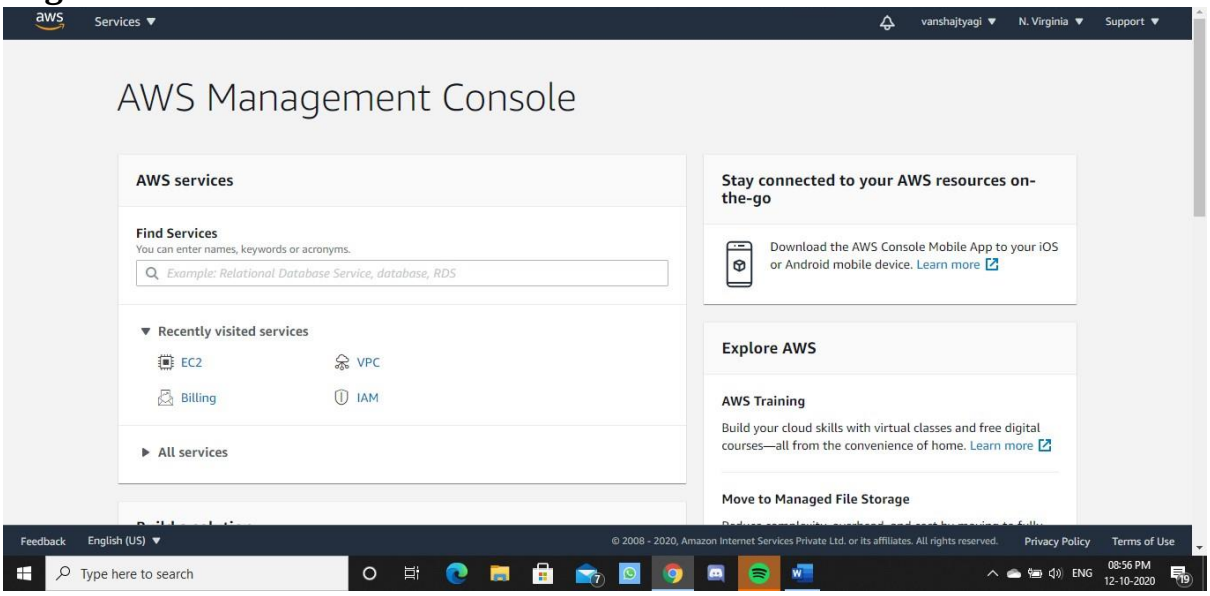
1. **Overview of AWS:** Amazon Web Services is a subsidiary of Amazon providing on-demand cloud computing platforms and APIs to individuals, companies, and governments, on a metered pay-as-you-go basis.
2. **Tasks to be done:**

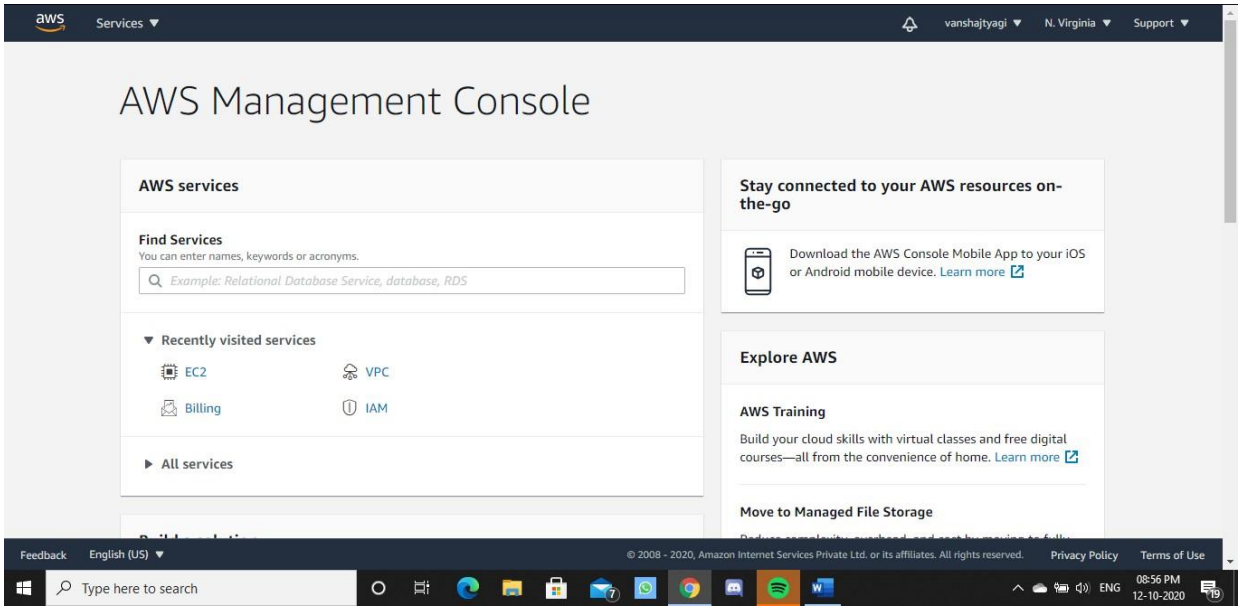
   • In AWS , launch and connect EC2 service with SSH

3. **Steps for practical**: (Mention the steps for each and every task)

1. **Login to AWS console**



2. **Open EC2 service and start creating the instance by clicking on instance(running).**


aws
Services
vanshajtyagi
N. Virginia
Support
AWS Management Console
AWS services
Find Services
You can enter names, keywords or acronyms.
Example: Relational Database Service, database, RDS
Recently visited services
EC2
VPC
Billing
IAM
All services
Stay connected to your AWS resources on-the-go
Download the AWS Console Mobile App to your iOS or Android mobile device. Learn more
Explore AWS
AWS Training
Build your cloud skills with virtual classes and free digital courses—all from the convenience of home. Learn more
Move to Managed File Storage
Feedback
English (US)
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ENG
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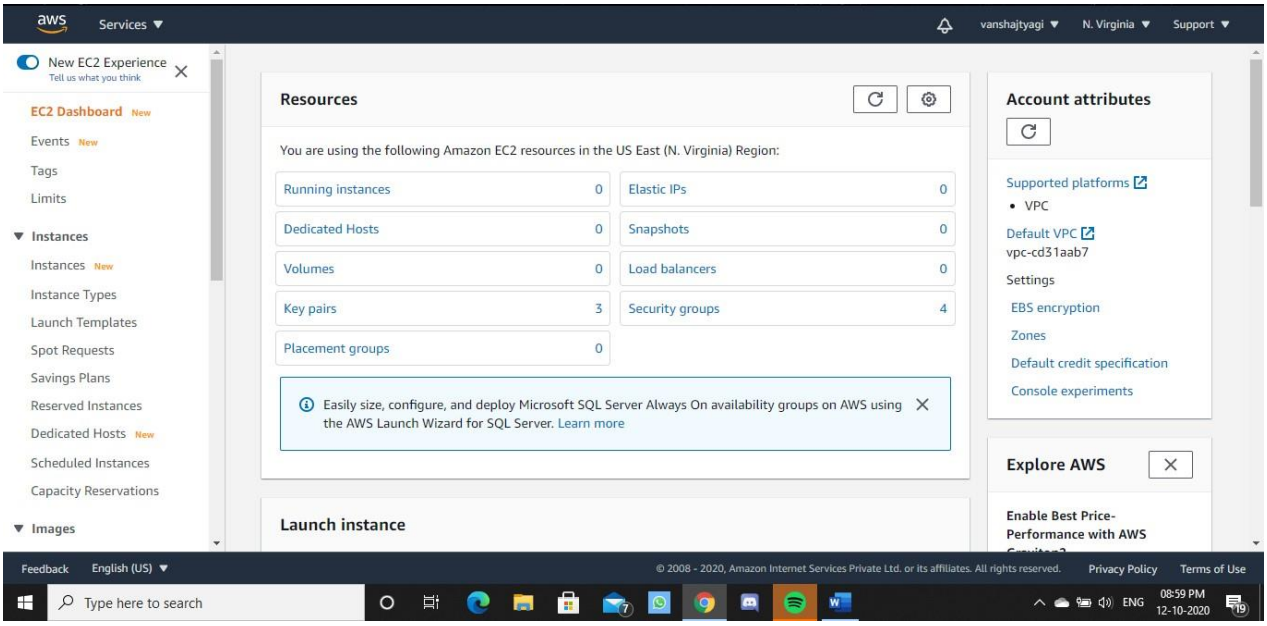
12-10-2020


aws
Services
vanshajtyagi
N. Virginia
Support
New EC2 Experience
Tell us what you think
EC2 Dashboard New
Events New
Tags
Limits
Instances
Instances New
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts New
Scheduled Instances
Capacity Reservations
Images
Resources
You are using the following Amazon EC2 resources in the US East (N. Virginia) Region:
Running instances 0
Elastic IPs 0
Dedicated Hosts 0
Snapshots 0
Volumes 0
Load balancers 0
Key pairs 3
Security groups 4
Placement groups 0
Easily size, configure, and deploy Microsoft SQL Server Always On availability groups on AWS using the AWS Launch Wizard for SQL Server. Learn more
Launch instance
Account attributes
Supported platforms
VPC
Default VPC
vpc-cd31aab7
Settings
EBS encryption
Zones
Default credit specification
Console experiments
Explore AWS
Enable Best Price-Performance with AWS
Feedback
English (US)
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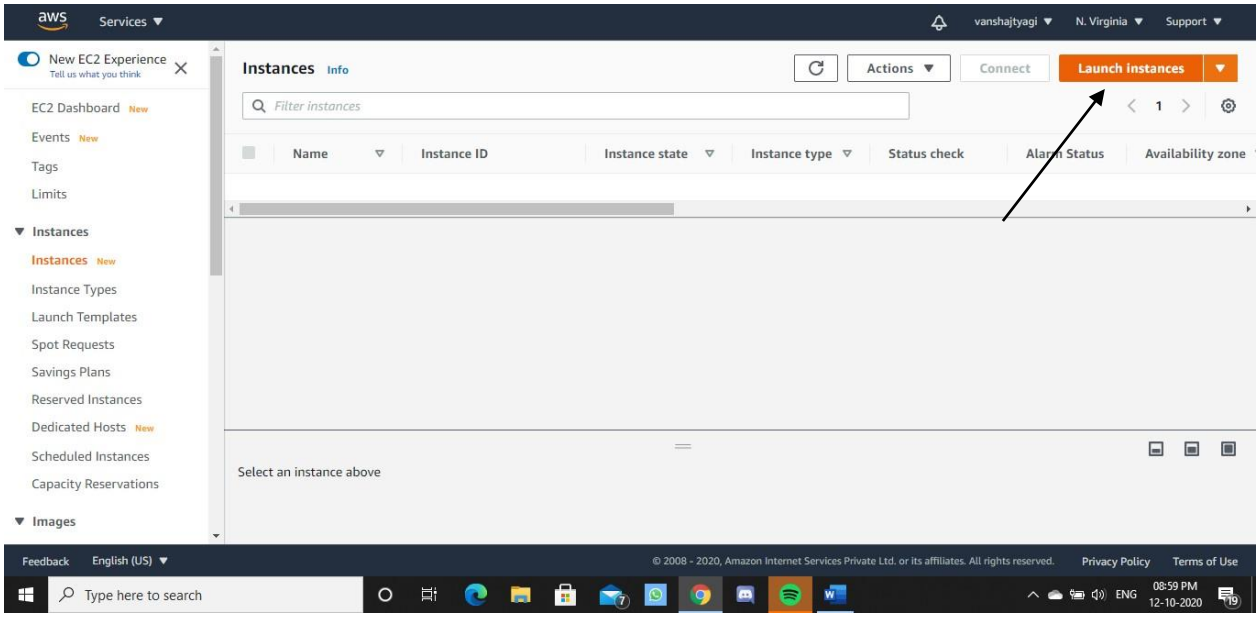
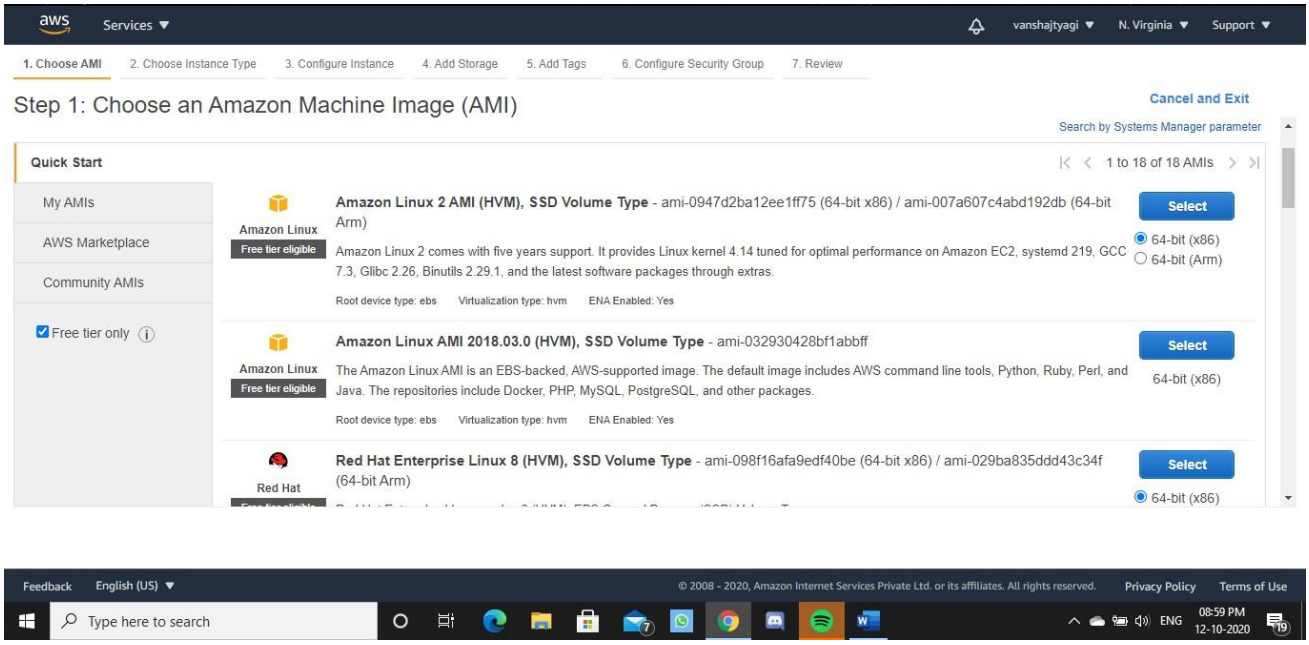
ENG
08:59 PM
12-10-2020

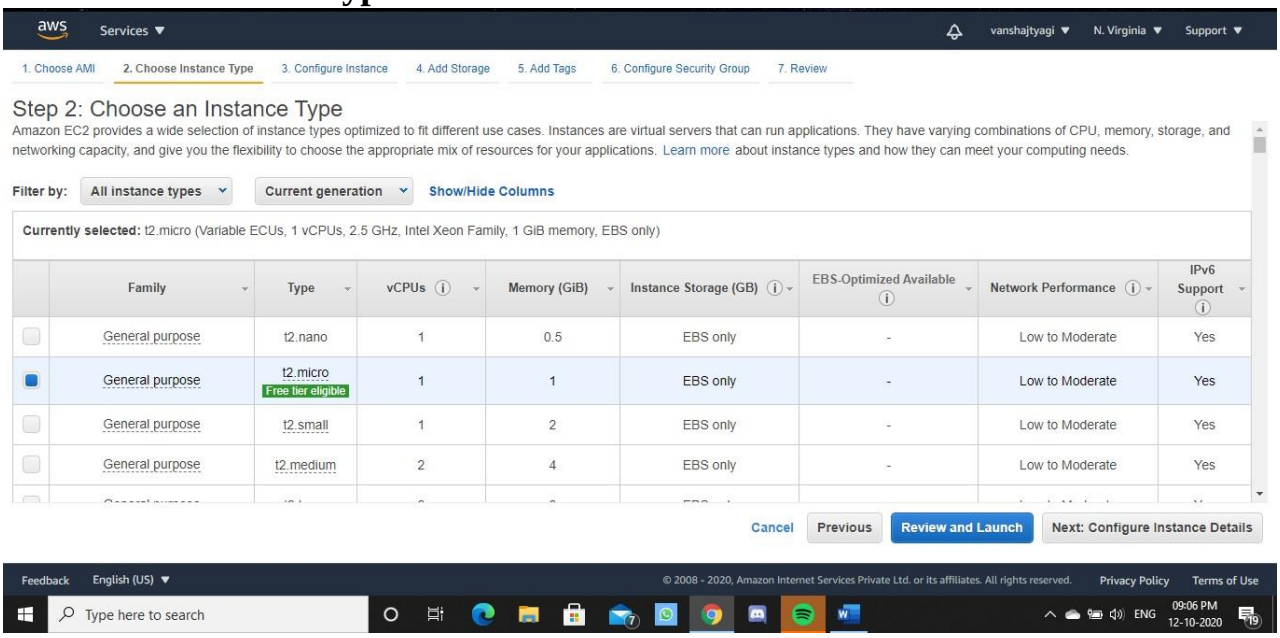
3. **Click on instance to create a new one.**



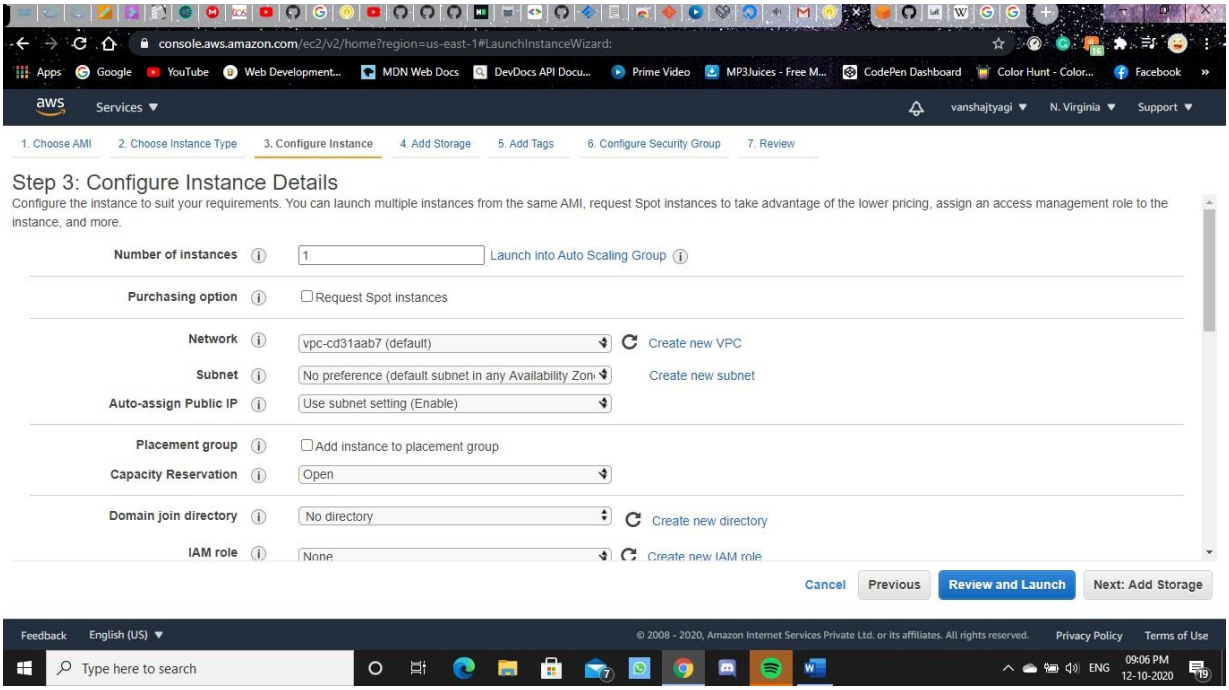
4. **Click on Launch instances and select the Amazon Machine Image**



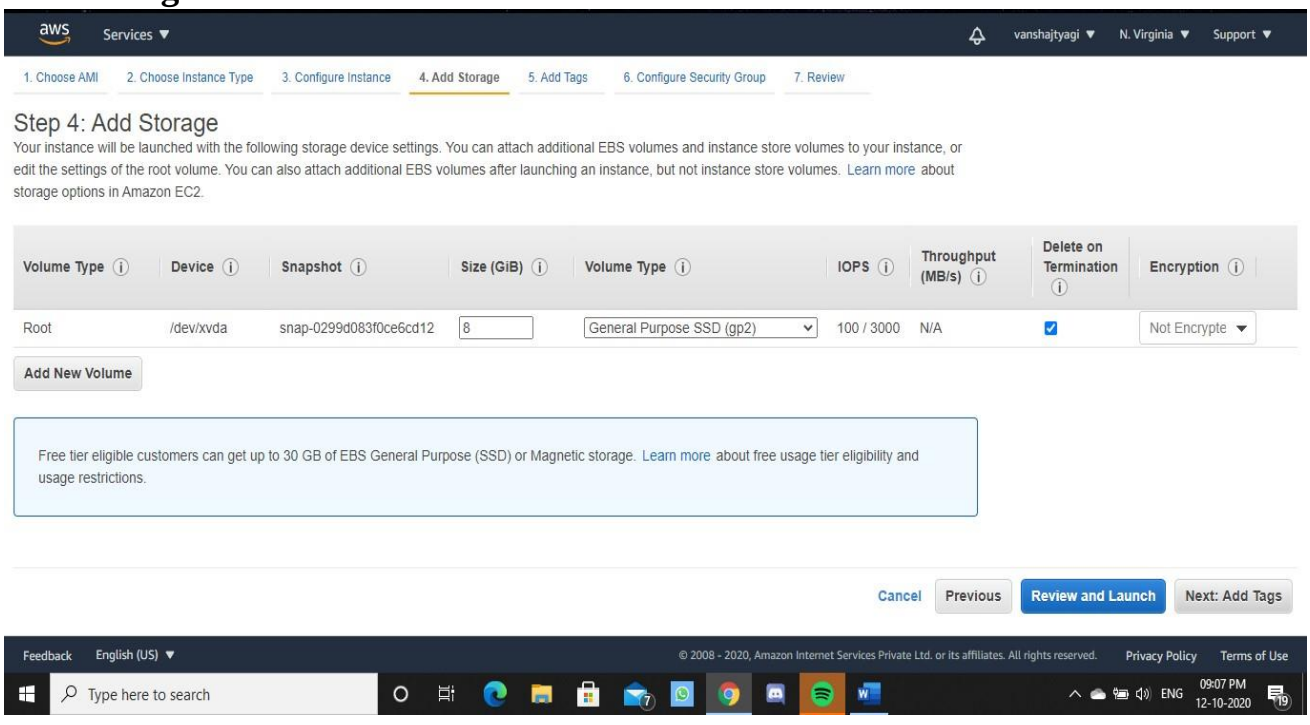
5. Choose the instance type and click on next.



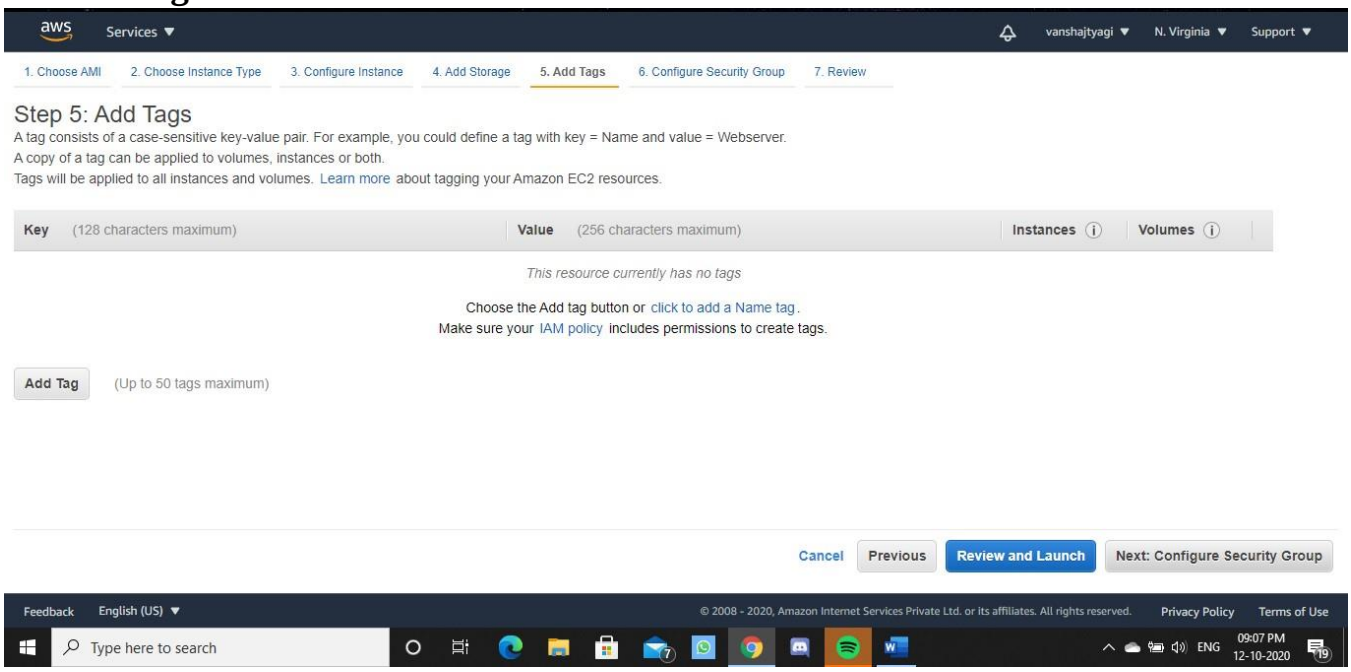
6. Configure instance details and click on next.



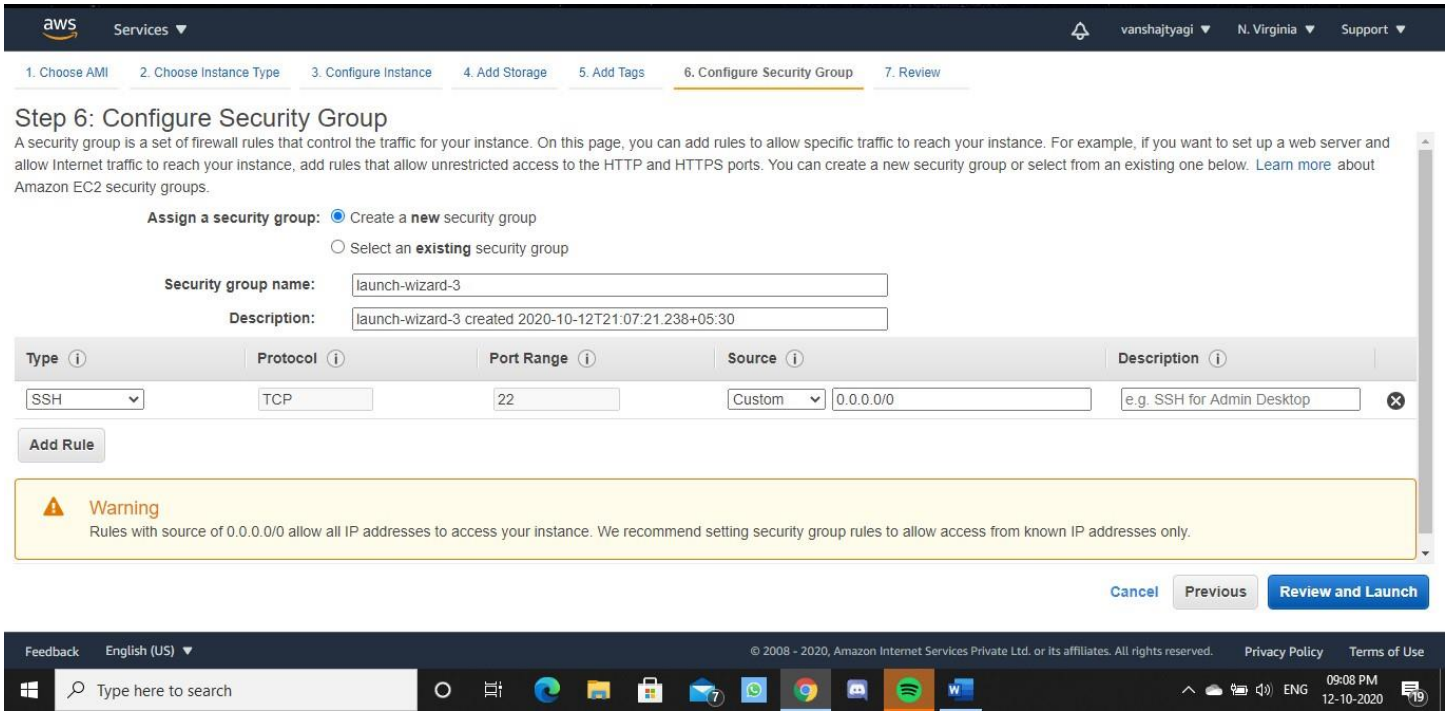
7. Add storage and click on next.



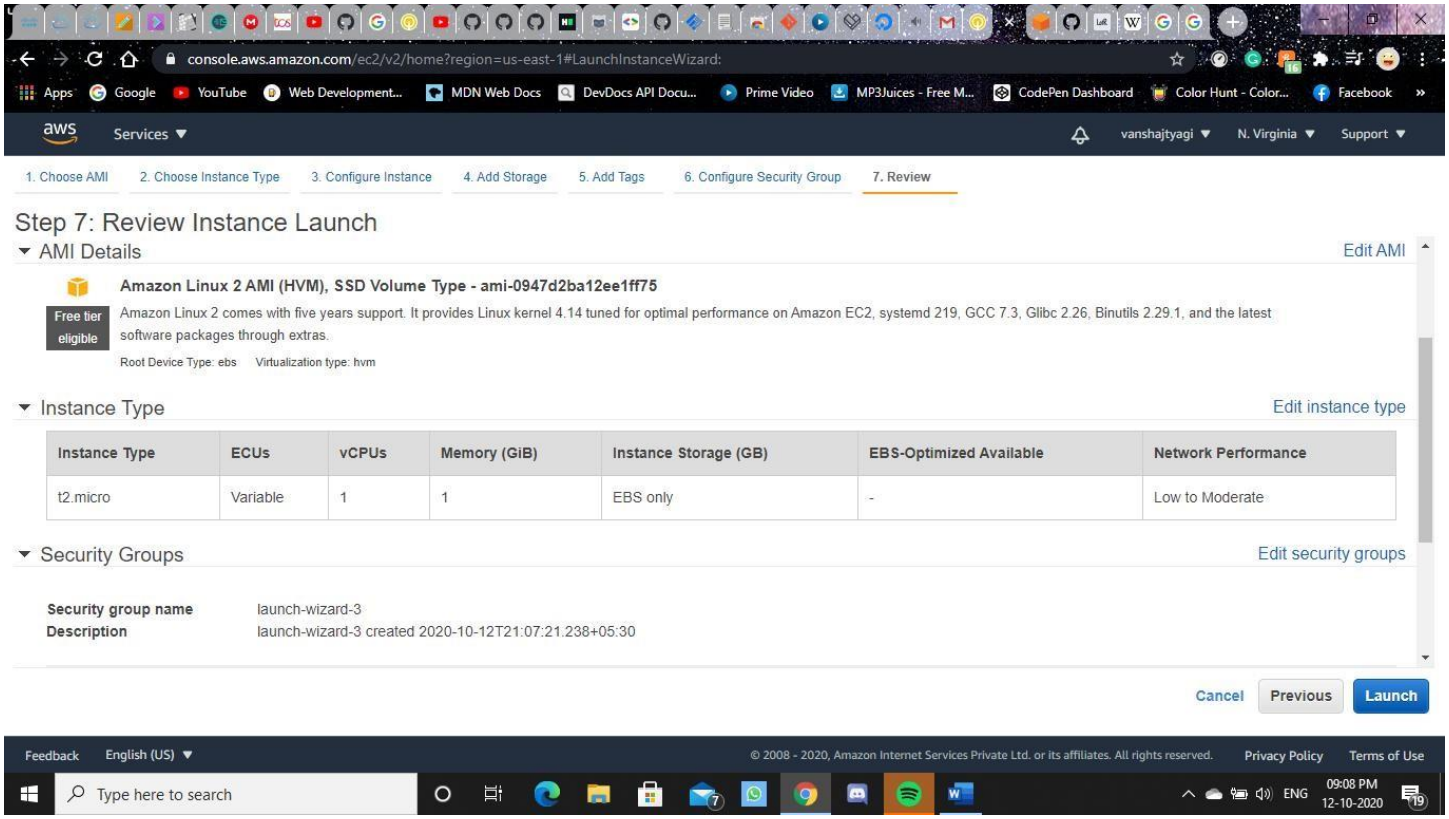
8. Add the tags and click on next.



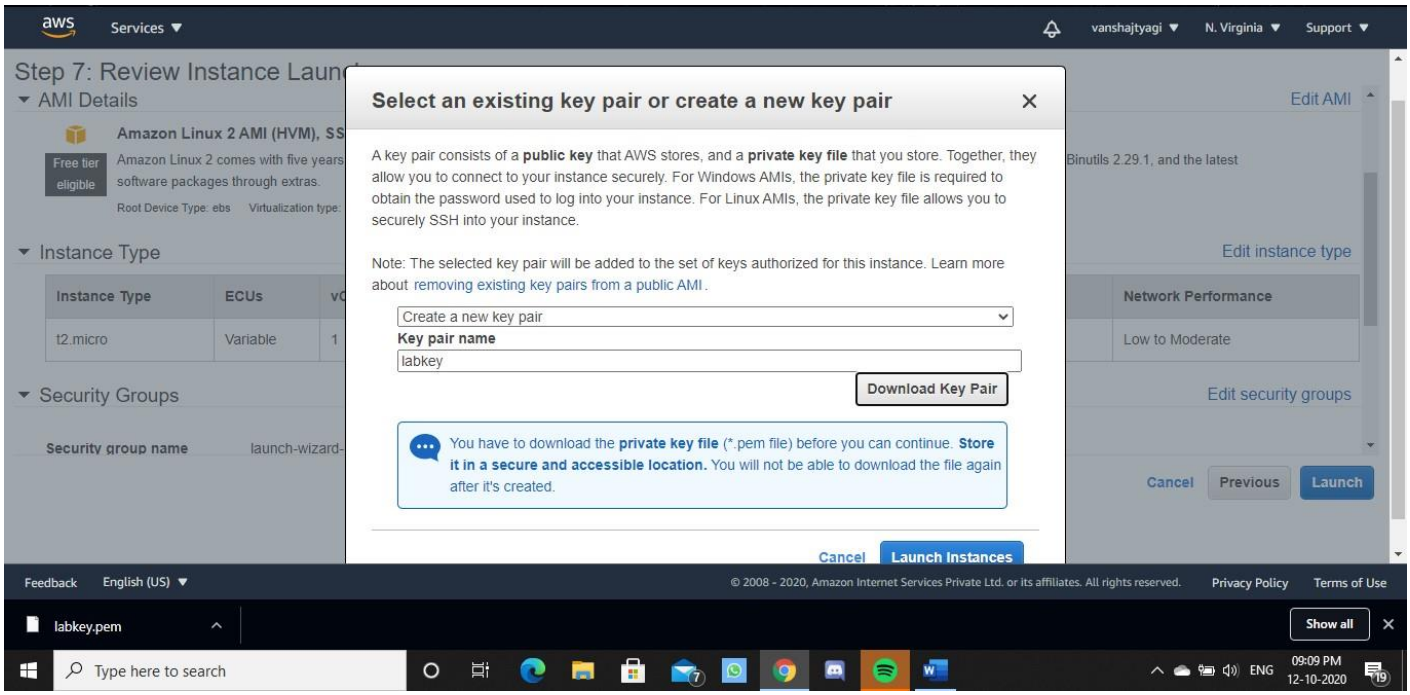
9. Configure the security group and click on review and launch.



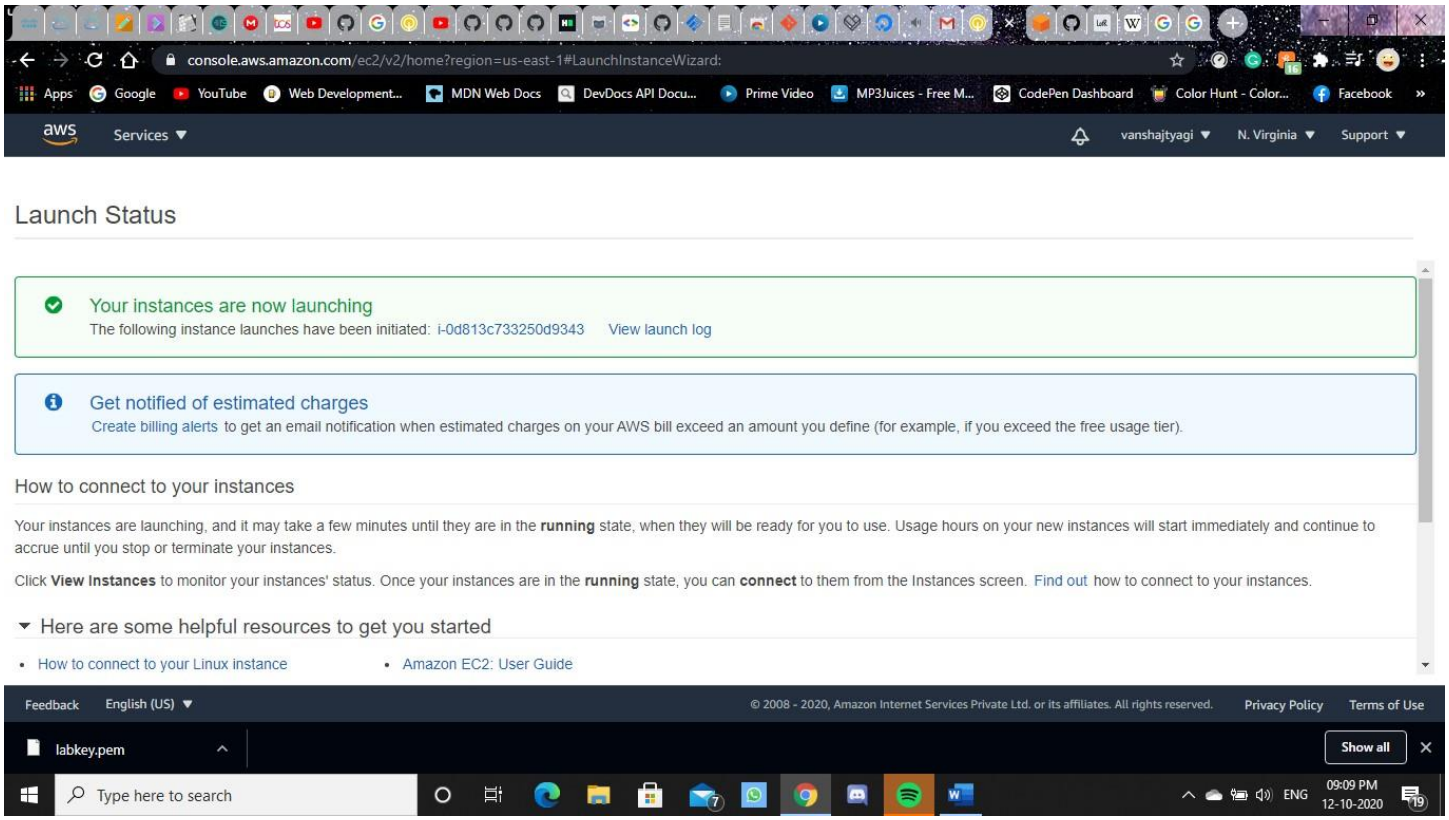
10. Review the instance details , edit if necessary and click on Launch.



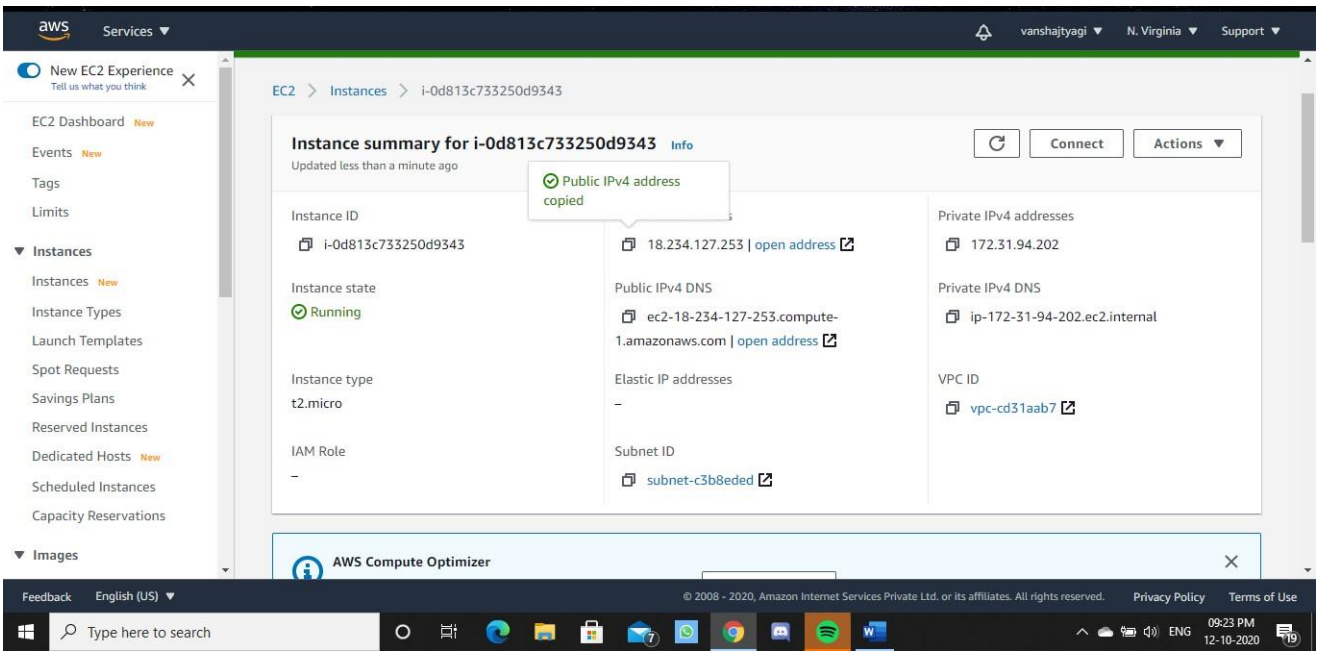
11. Create a new key pair and download the key for further use .



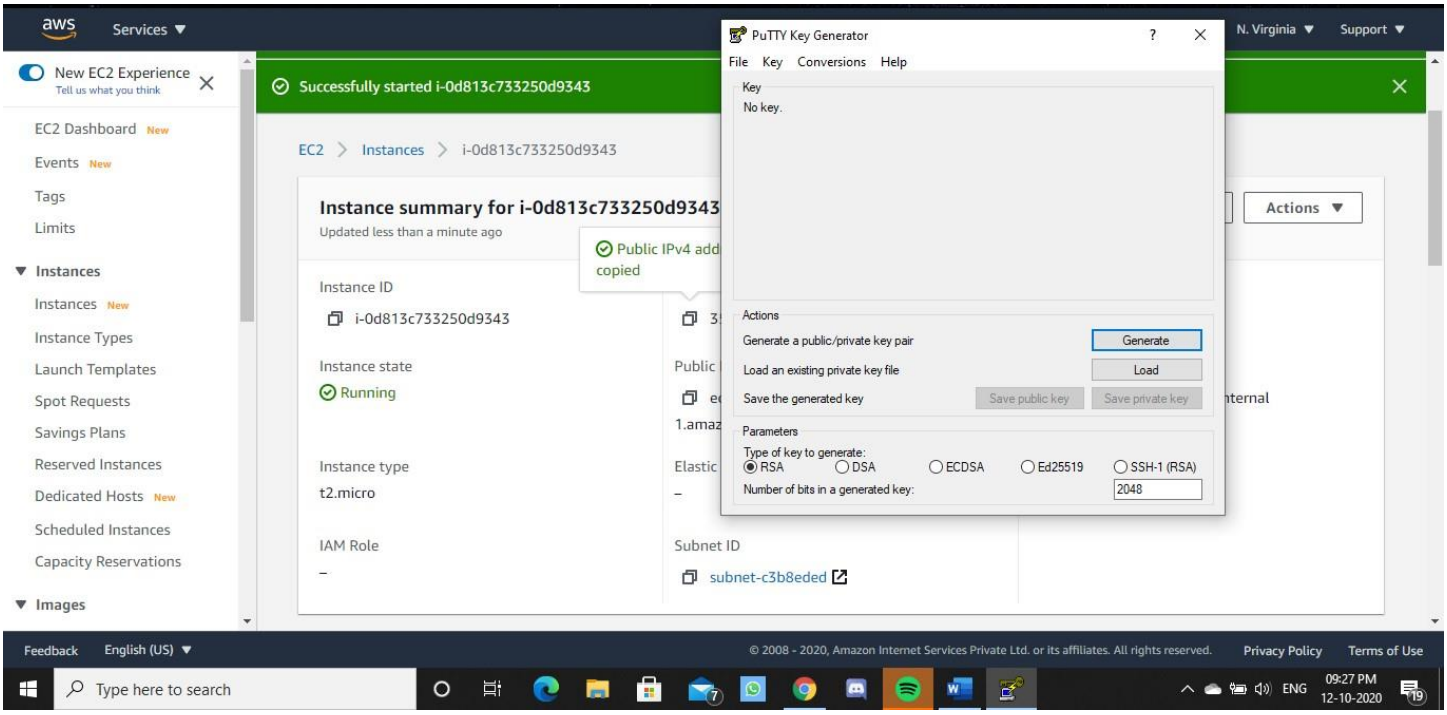
12. **The instance is successfully launched .**

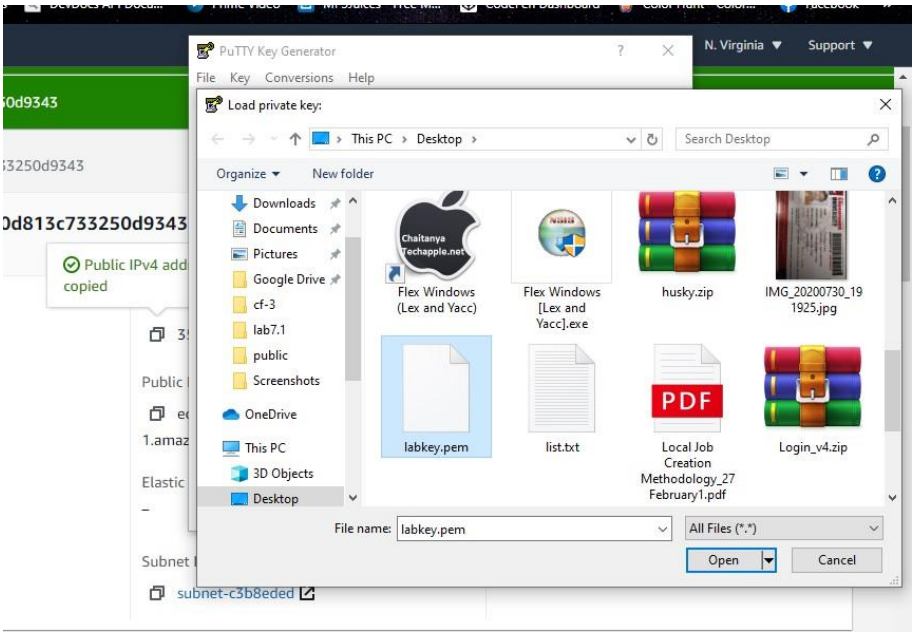


13. **Now we need to connect it with terminal to work on this. So we will the copy the public IPv4 address .**

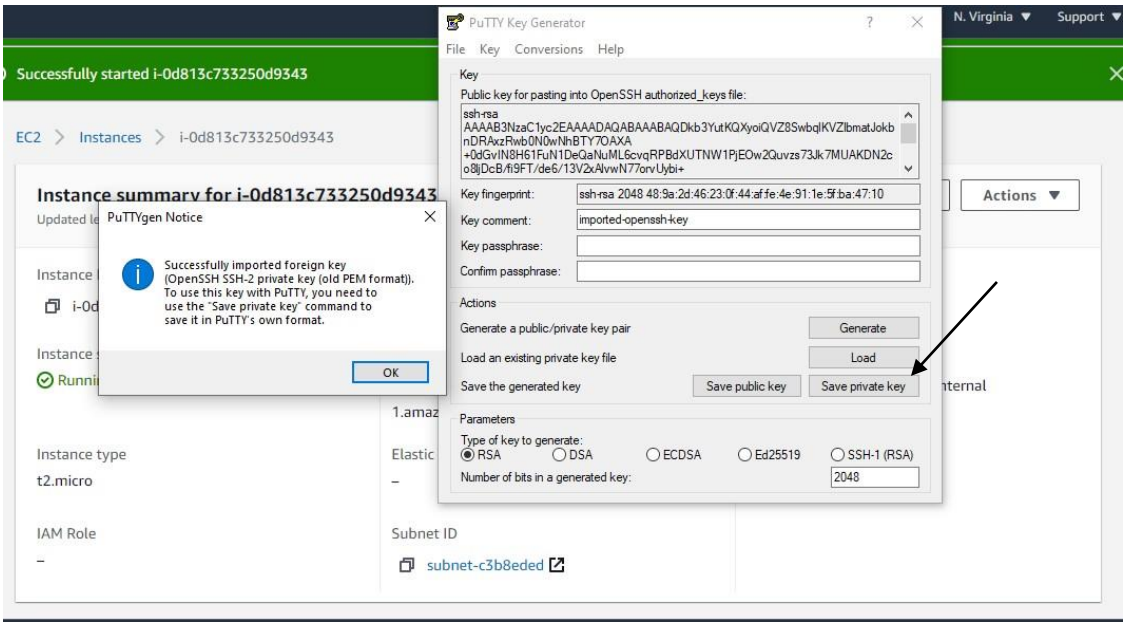


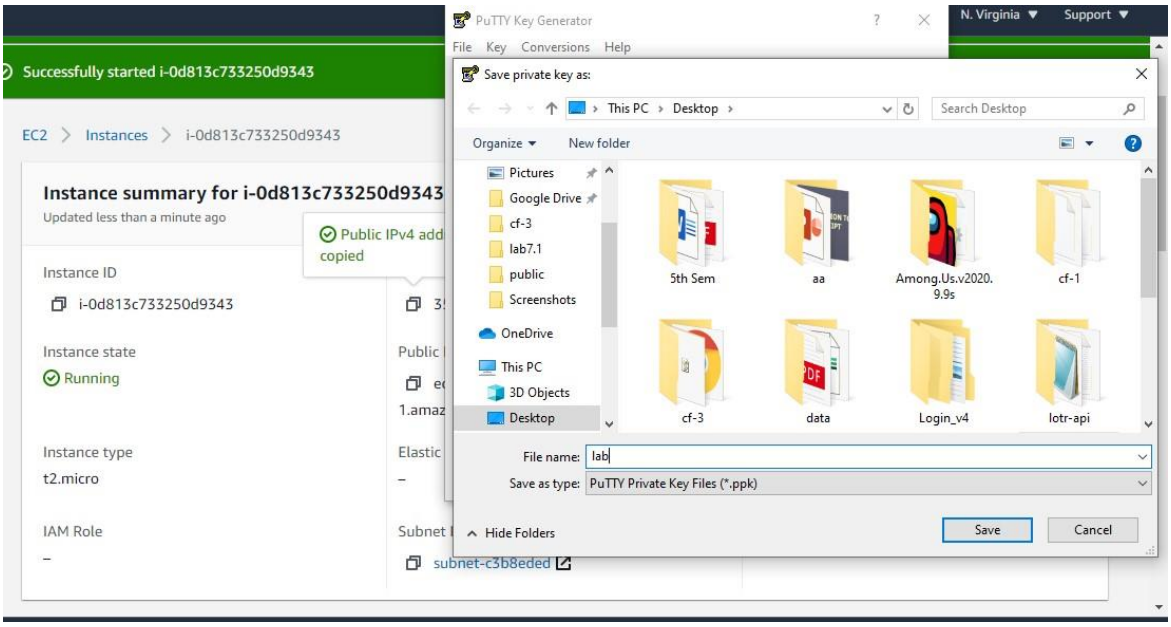
14. **Open puttyGen and load the key which we have downloaded earlier.**



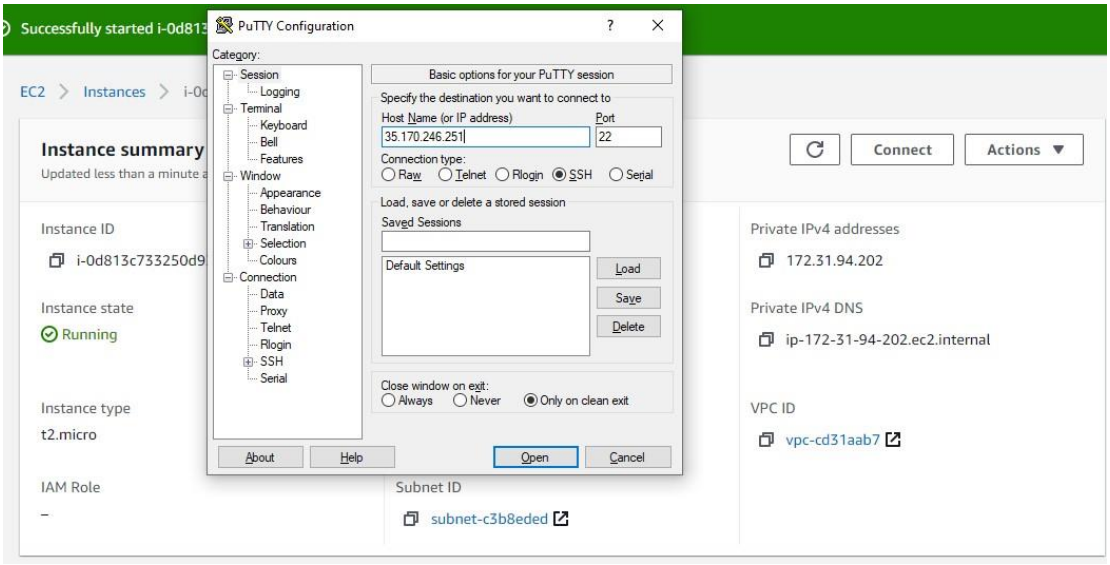


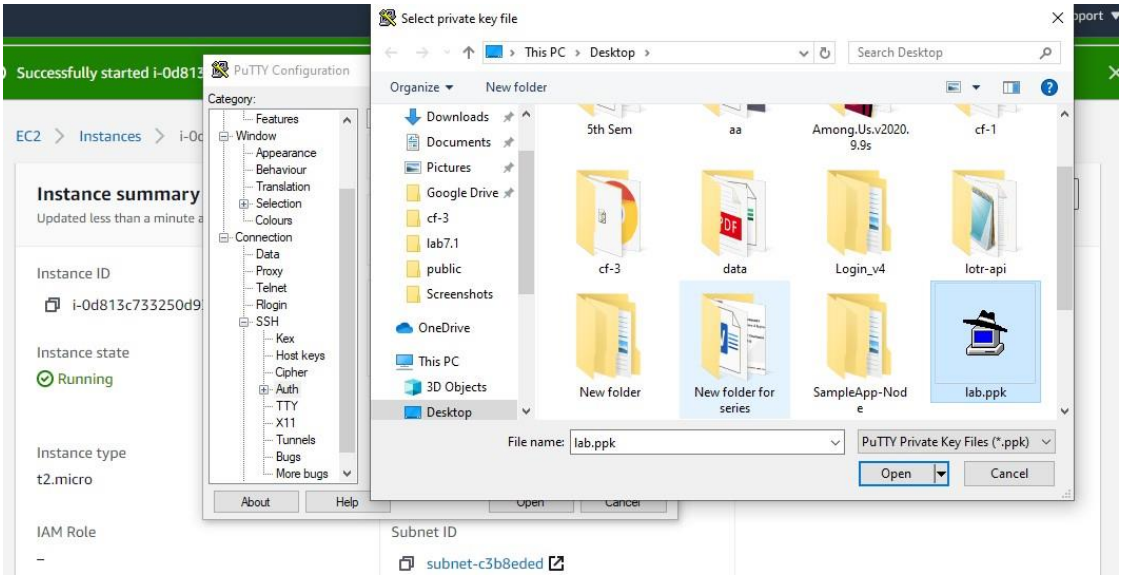
open the key and save it as Private key

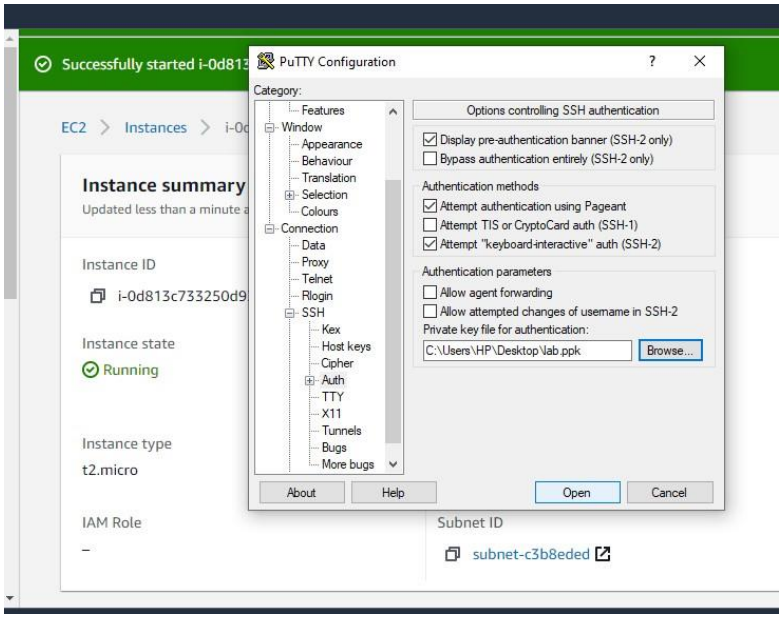




15. Add public IPv4 in hostname of putty

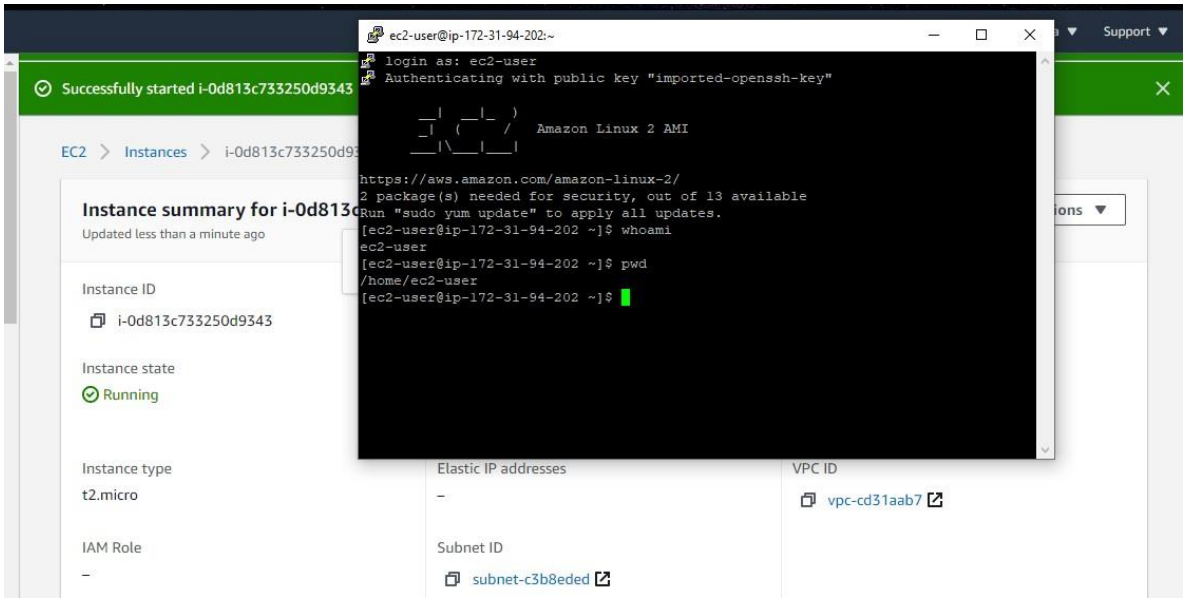

Successfully started i-0d813
PuTTY Configuration
Category:
Session
Logging
Terminal
Keyboard
Bell
Features
Window
Appearance
Behaviour
Translation
Selection
Colours
Connection
Data
Proxy
Telnet
Rlogin
SSH
Serial
Basic options for your PuTTY session
Specify the destination you want to connect to
Host Name (or IP address)
Port
35.170.246.251
22
Connection type:
Raw
Telnet
Rlogin
SSH
Serial
Load, save or delete a stored session
Saved Sessions
Default Settings
Load
Save
Delete
Close window on exit:
Always
Never
Only on clean exit
About
Help
Open
Cancel
EC2 > Instances > i-0c
Instance summary
Updated less than a minute a
Connect
Actions
Instance ID
i-0d813c733250d9
Instance state
Running
Instance type
t2.micro
IAM Role
–
Subnet ID
subnet-c3b8eded
Private IPv4 addresses
172.31.94.202
Private IPv4 DNS
ip-172-31-94-202.ec2.internal
VPC ID
vpc-cd31aab7


Select private key file
This PC > Desktop >
Search Desktop
Organize
New folder
Downloads
Documents
Pictures
Google Drive
cf-3
lab7.1
public
Screenshots
OneDrive
This PC
3D Objects
Desktop
5th Sem
aa
Among.Us.v2020.9.9s
cf-1
cf-3
data
Login_v4
lotr-api
New folder
New folder for series
SampleApp-Node
lab.ppk
File name:
lab.ppk
PuTTY Private Key Files (*.ppk)
Open
Cancel
PuTTY Configuration
Category:
Features
Window
Appearance
Behaviour
Translation
Selection
Colours
Connection
Data
Proxy
Telnet
Rlogin
SSH
Kex
Host keys
Cipher
Auth
TTY
X11
Tunnels
Bugs
More bugs
About
Help
Successfully started i-0d813
EC2 > Instances > i-0c
Instance summary
Updated less than a minute a
Instance ID
i-0d813c733250d9
Instance state
Running
Instance type
t2.micro
IAM Role
–
Subnet ID
subnet-c3b8eded



Goto connection > SSH > Auth > and browse the saved private key from puttygen and select open , which will open our instance terminal.

16. **This will work as terminal for our instance and it will be same as linux(as we chose linux AMI) , we can see that by typing some linux command as whoami, pwd.**



6. Result:

- **We successfully launched and connected EC2 with SSH.**