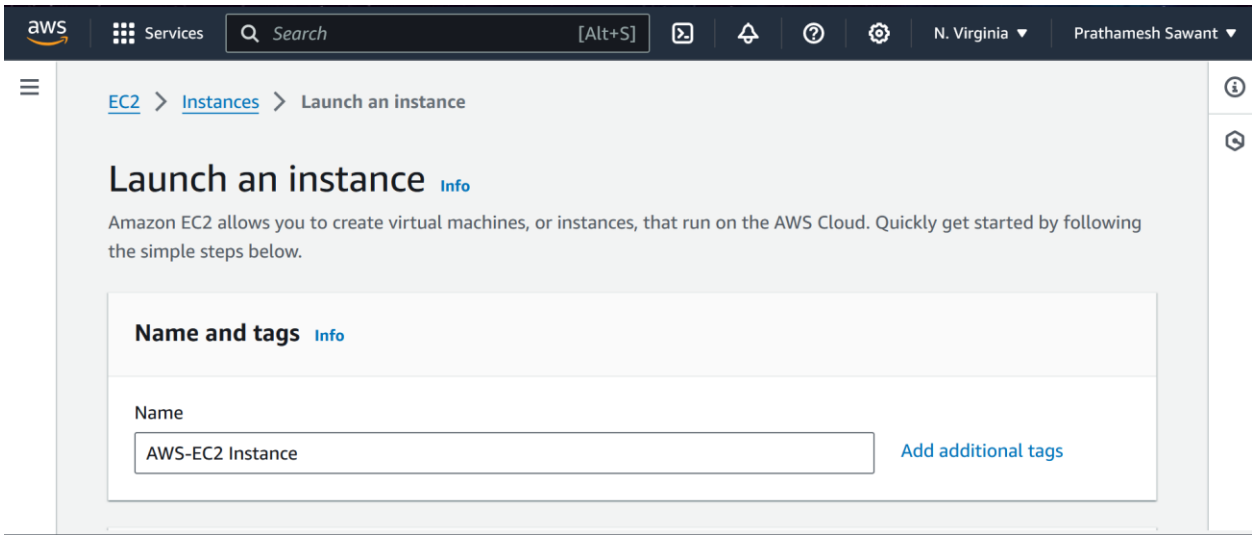
Assignment 1

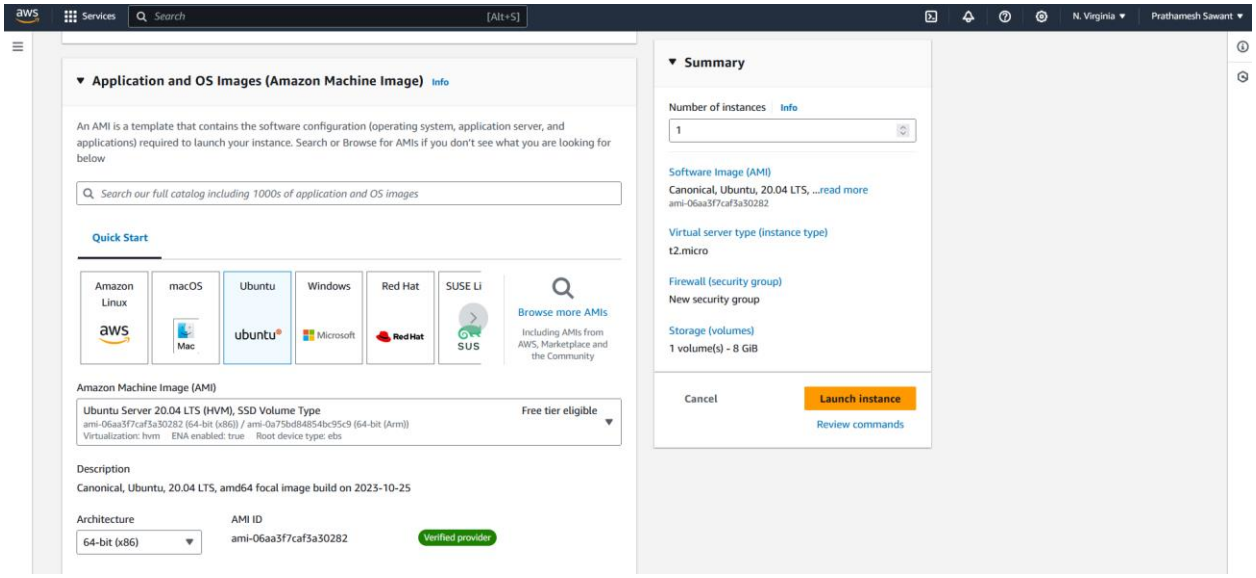
Launch an EC2 instance using the below Requirements

1. Instance Image: Ubuntu 20.04
2. Instance Name: AWS-EC2 Instance
3. Instance should accept incoming request over HTTP protocol on all the ports.
4. Instance should accept SSH connection on port 22.
5. Instance should have 8 GB of General Purpose SSD attached

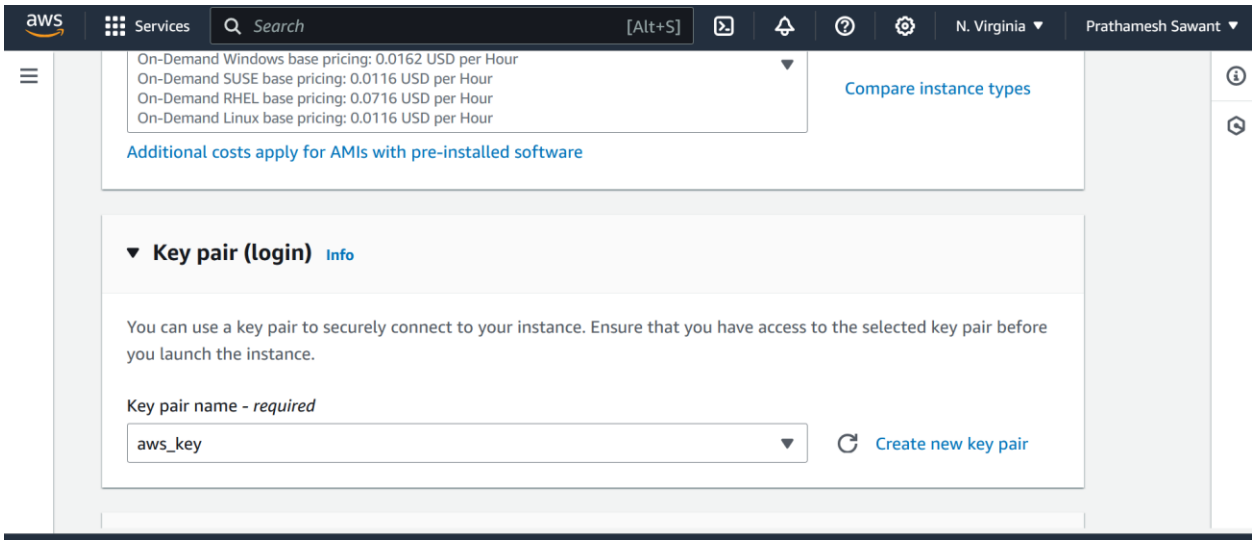
1. Launch an EC2 instance using console



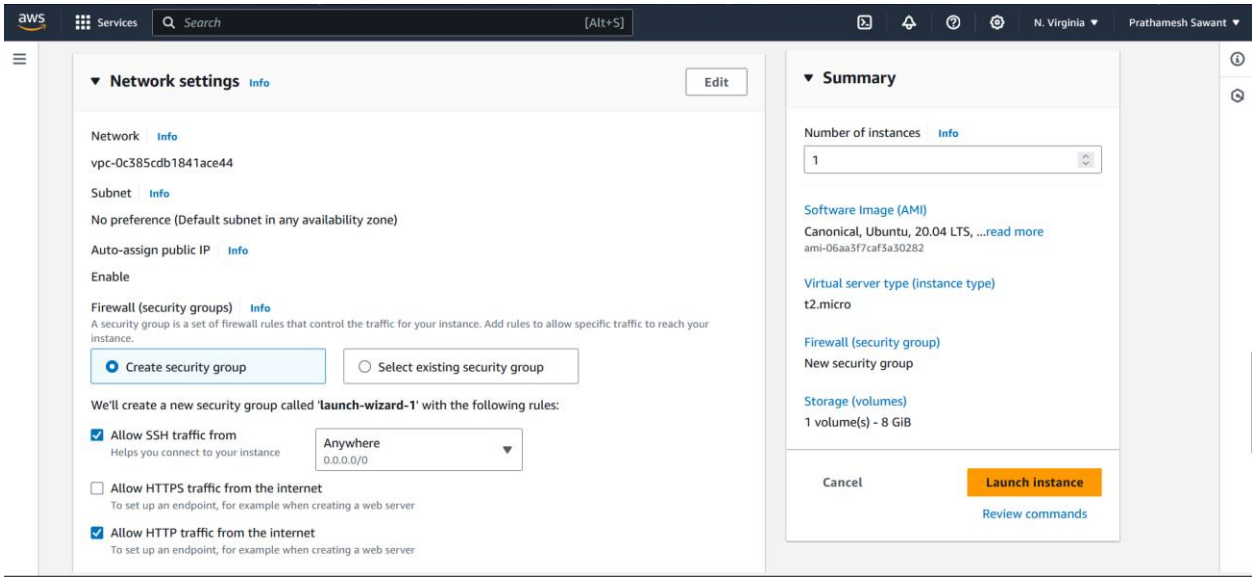
Instance Name



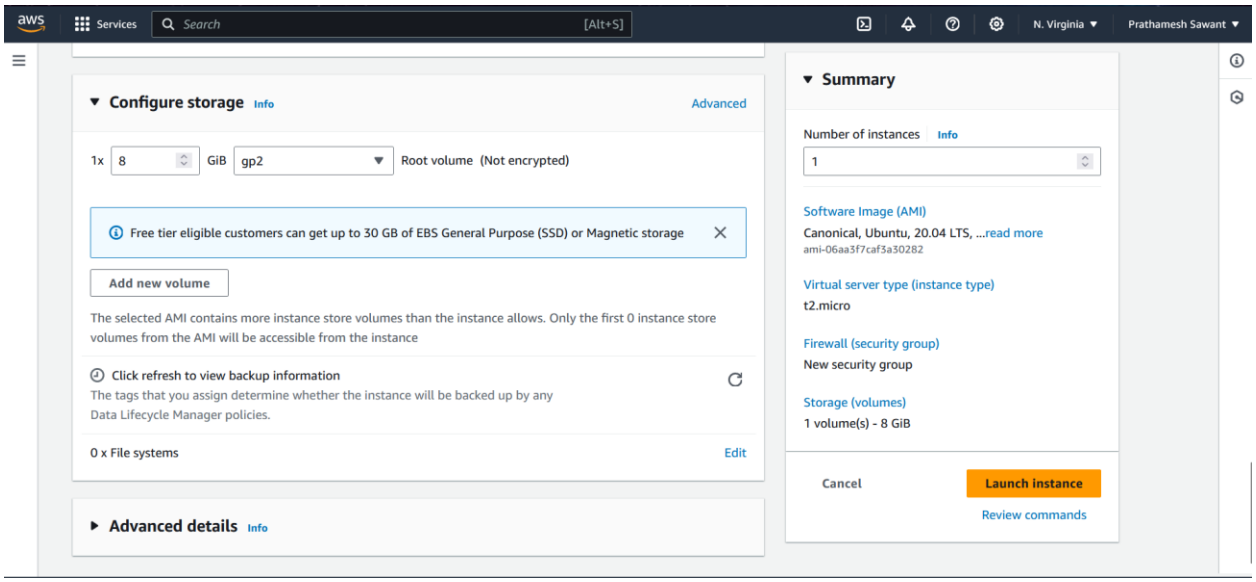
Instance Image



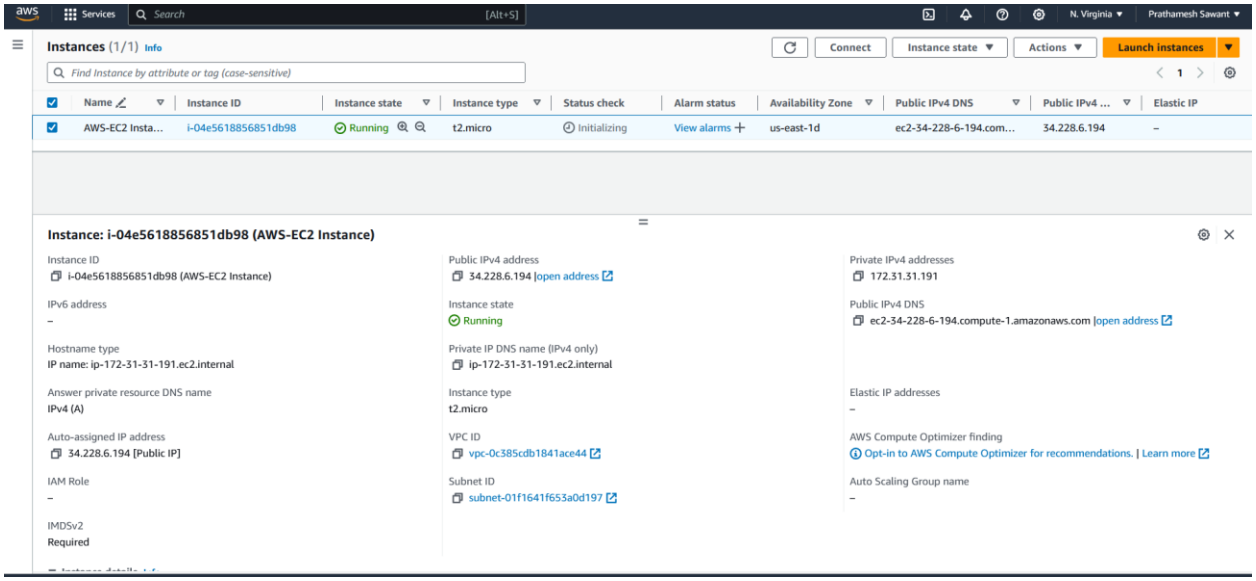
Key Pairs



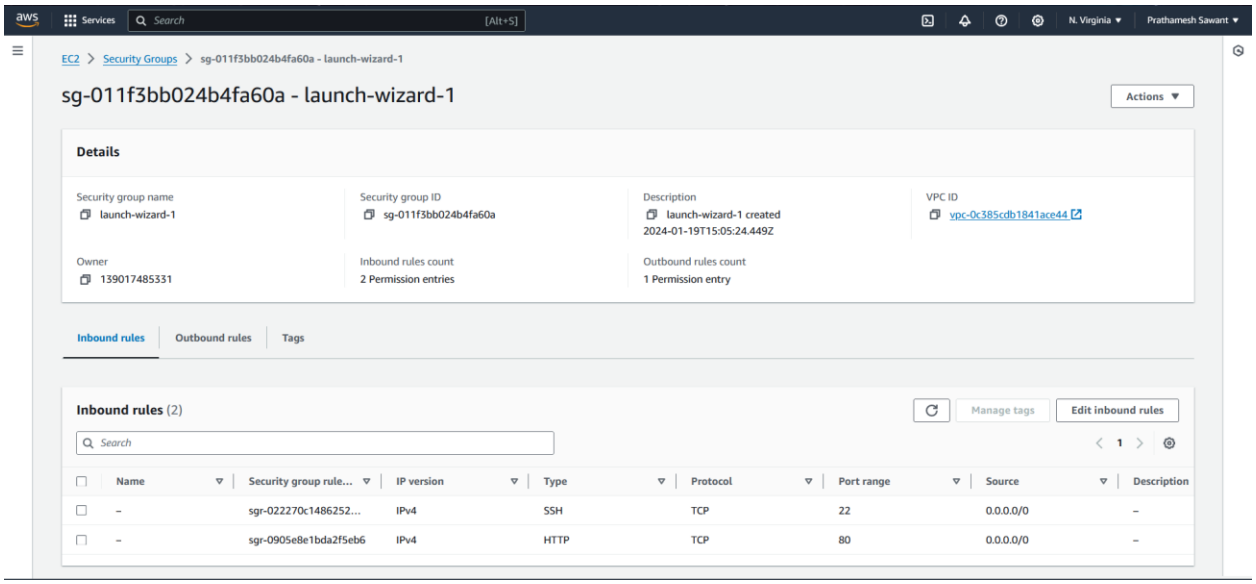
Configuring Security Groups



Storage



Instance State



Security Groups Configuration

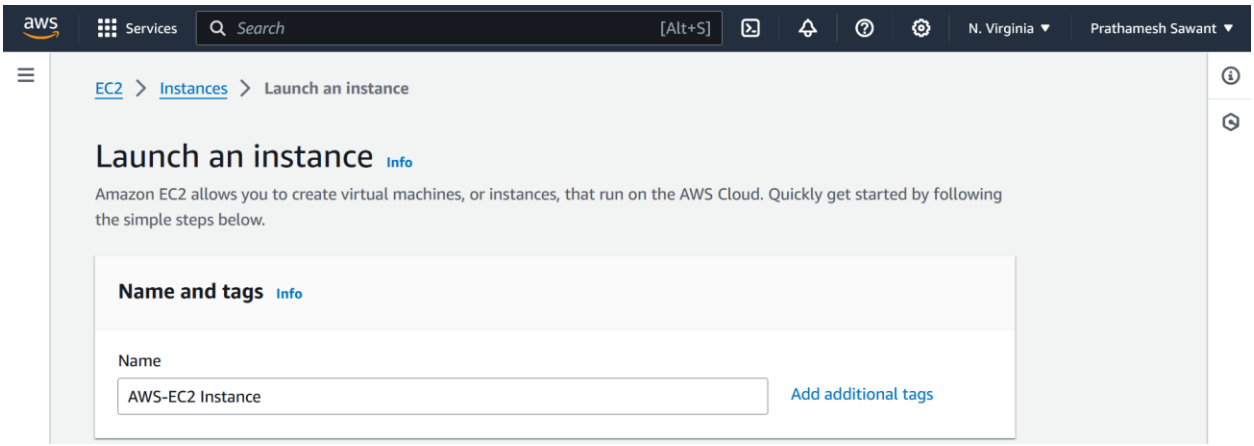
Launch an EC2 instance on AWS environment as per below instructions.

1. Instance Image: Ubuntu 20.04
2. Instance Name: AWS-EC2 Instance
3. Instance Type: t2.micro
4. Configure Security Group:

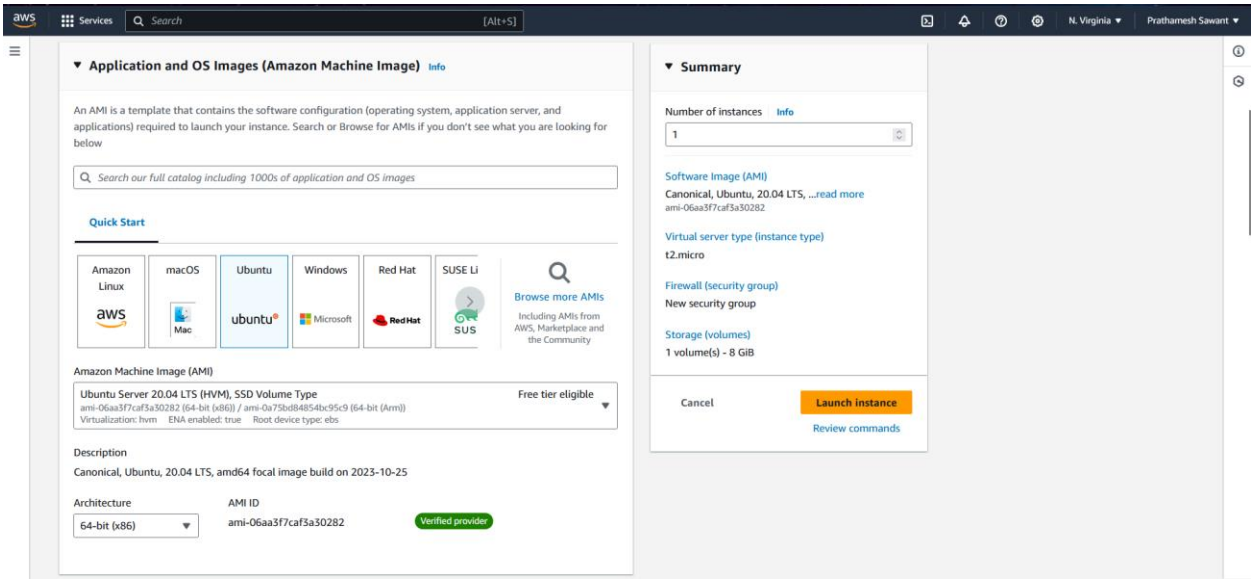
a. It should accept the http request on port 80 only from the client's IP address only.

b. It should accept the SSH request on port 22 only from the client's IP address only.

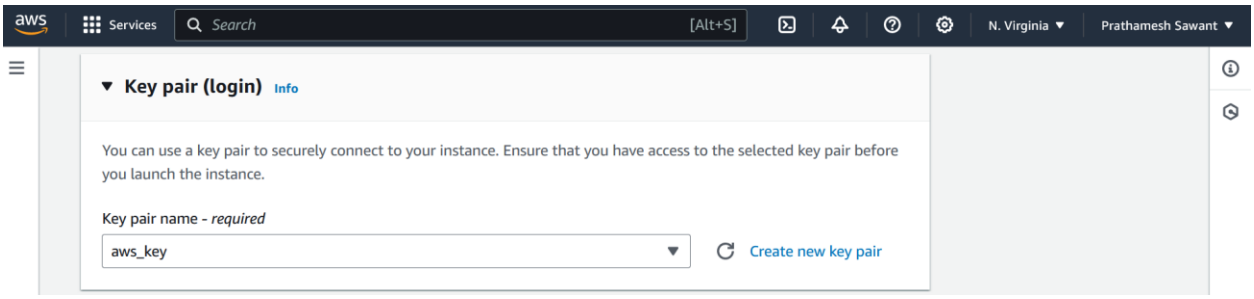
5. Instance should have 8 GB of General Purpose SSD attached.
6. Change the name of the instance to test-server
7. Launch the instance
8. SSH into the launched instance



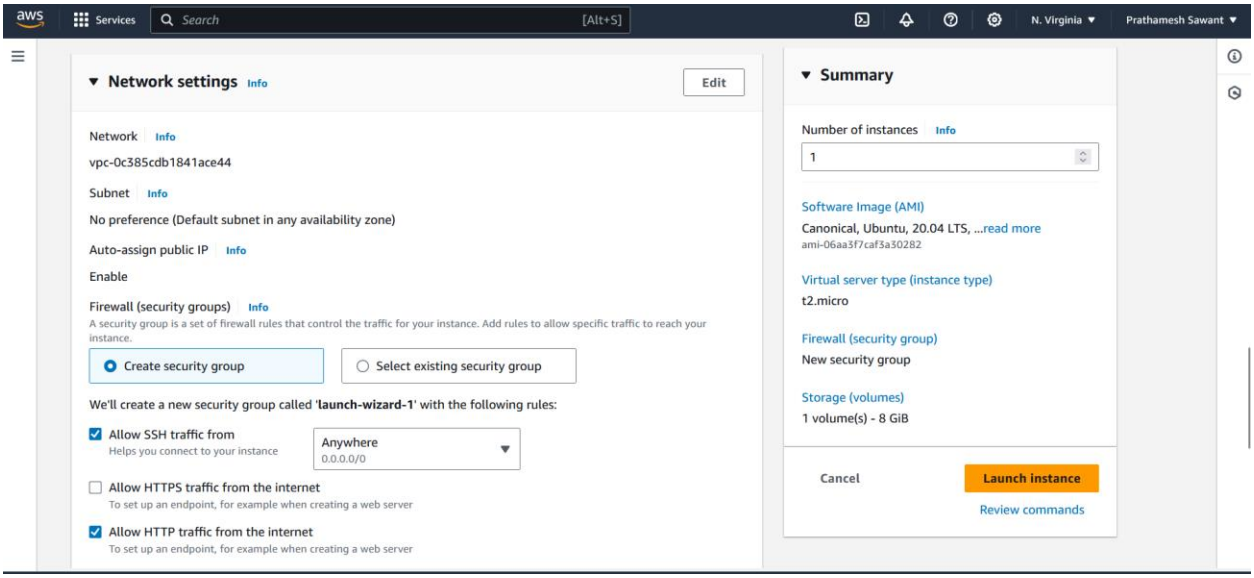
Instance name



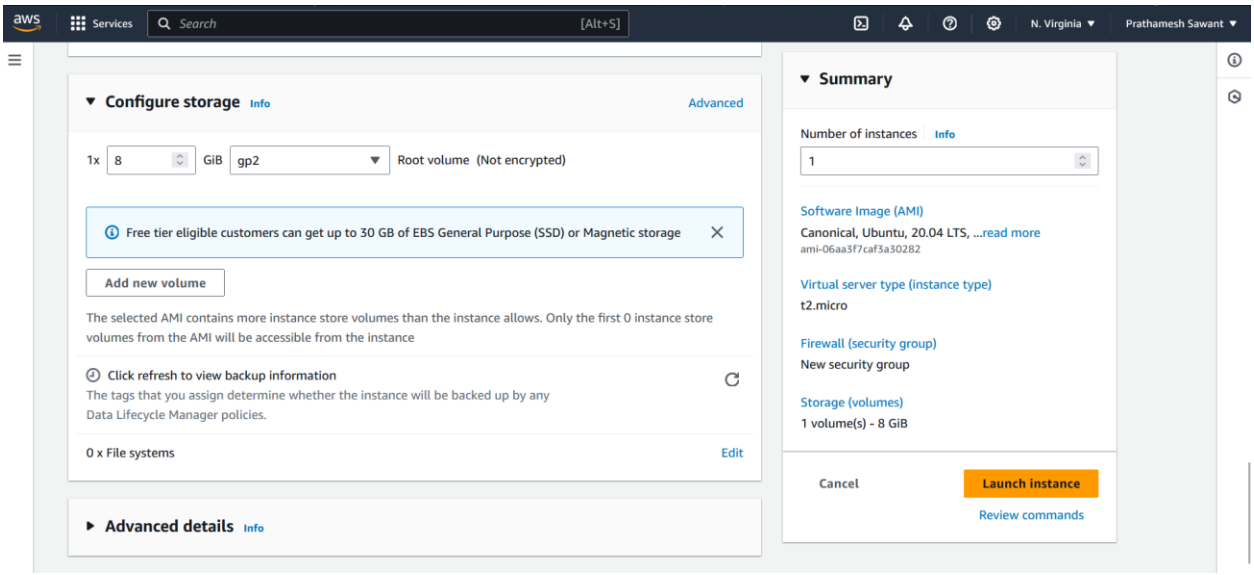
AMI



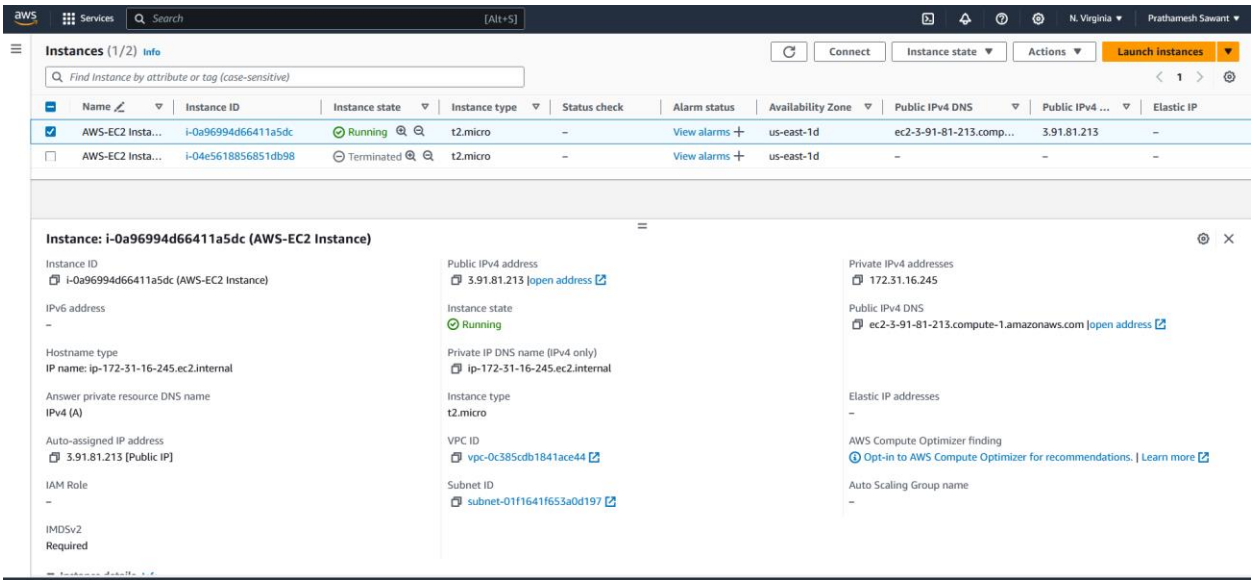
Key Pairs



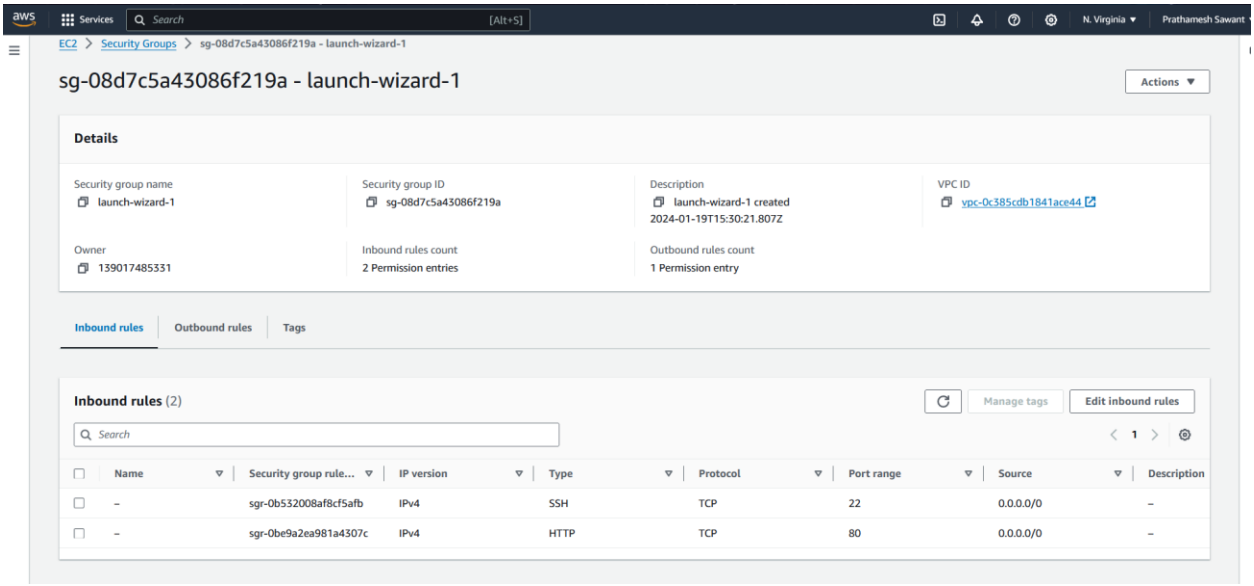
Network Settings



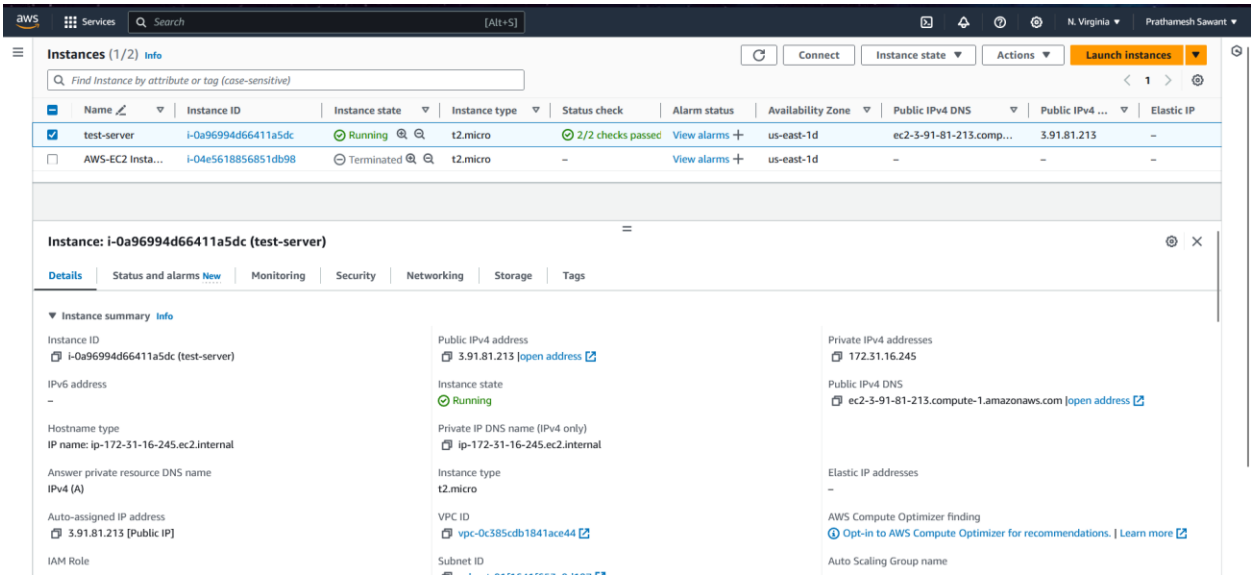
Storage



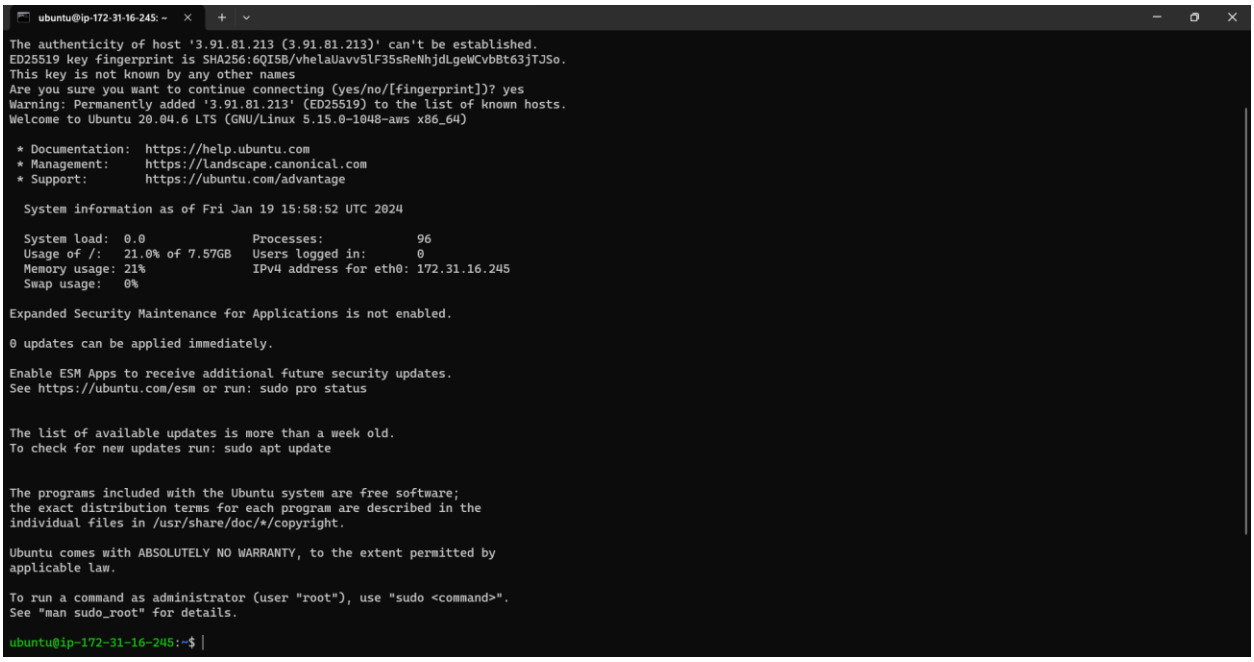
Instance state



Security configurations



Instance name change to test-server


ubuntu@ip-172-31-16-245: ~
The authenticity of host '3.91.81.213 (3.91.81.213)' can't be established.
ED25519 key fingerprint is SHA256:6QI5B/vhelaUavv5lF35sReNhjdLgeWCvbBt63jTJSo.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '3.91.81.213' (ED25519) to the list of known hosts.
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-1048-aws x86_64)
* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
* Support: https://ubuntu.com/advantage
System information as of Fri Jan 19 15:58:52 UTC 2024
System load: 0.0
Usage of /: 21.0% of 7.57GB
Memory usage: 21%
Swap usage: 0%
Processes: 96
Users logged in: 0
IPv4 address for eth0: 172.31.16.245
Expanded Security Maintenance for Applications is not enabled.
0 updates can be applied immediately.
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
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-172-31-16-245:~$

SSH