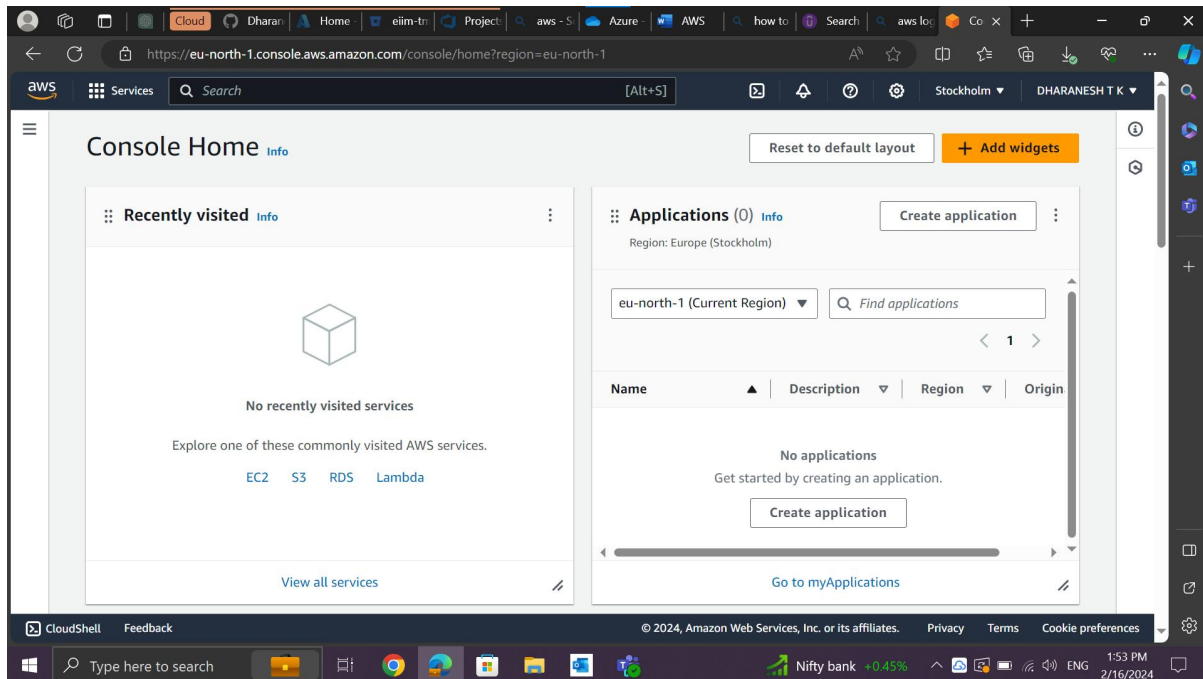


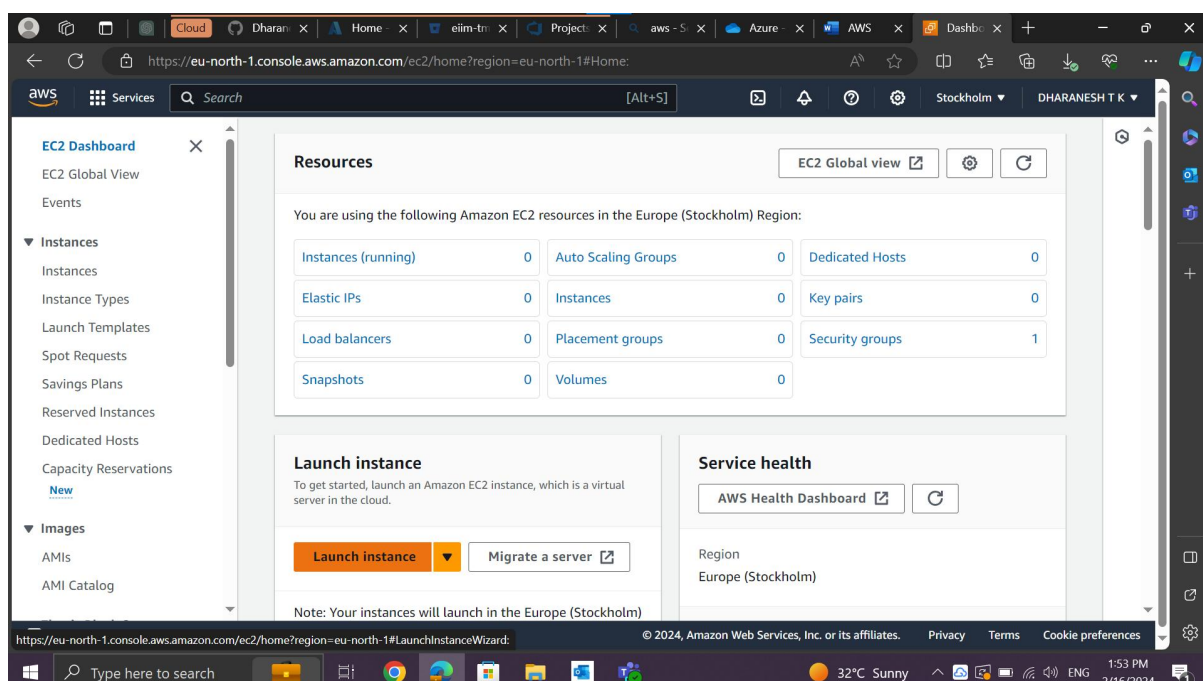
## Jenkins

First create an account in AWS.

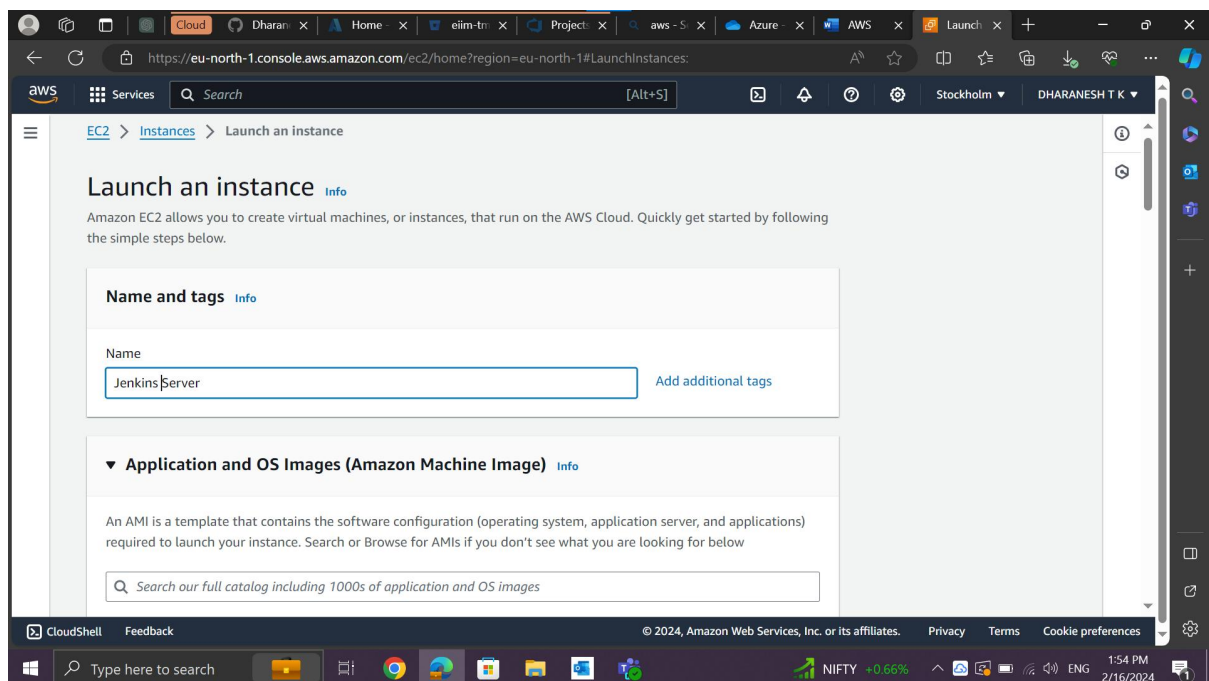
Click an EC2 (Elastic Compute Cloud).



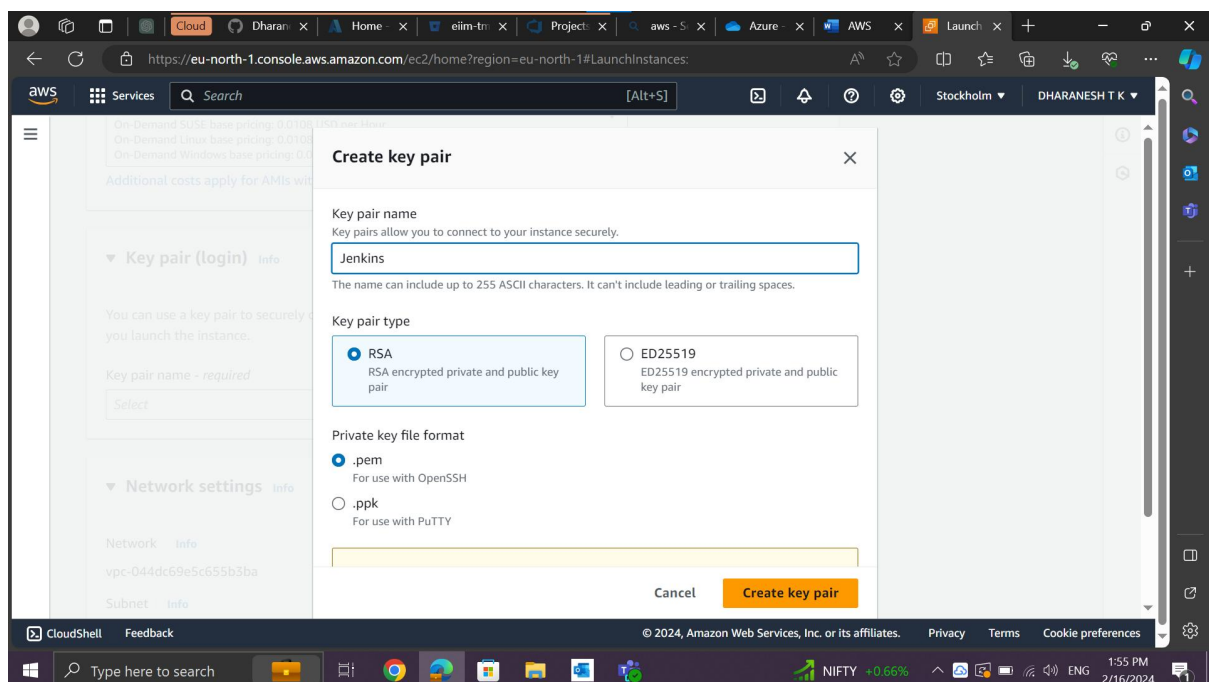
Click a launch instance.



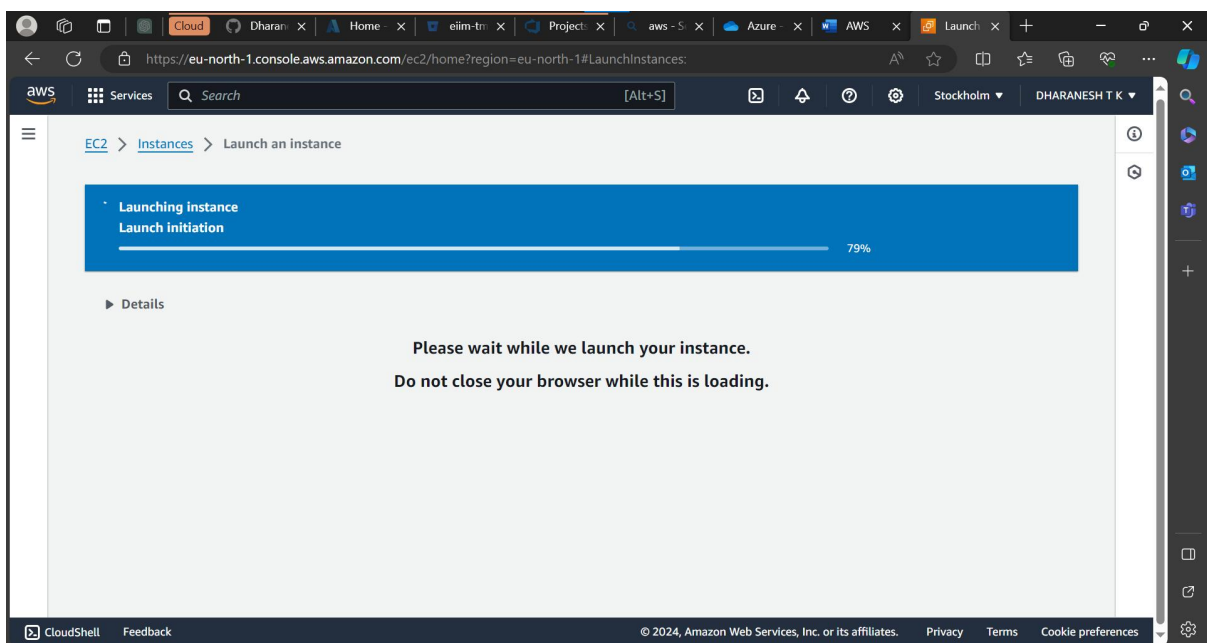
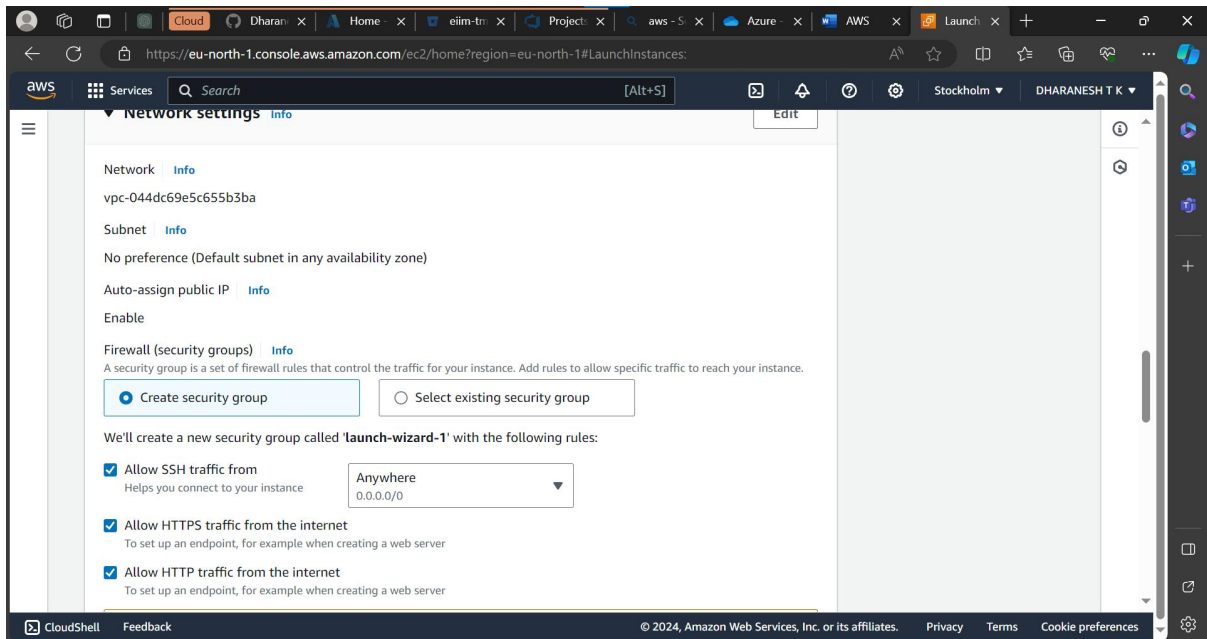
Created virtual machines or instances, that run on the AWS Cloud.



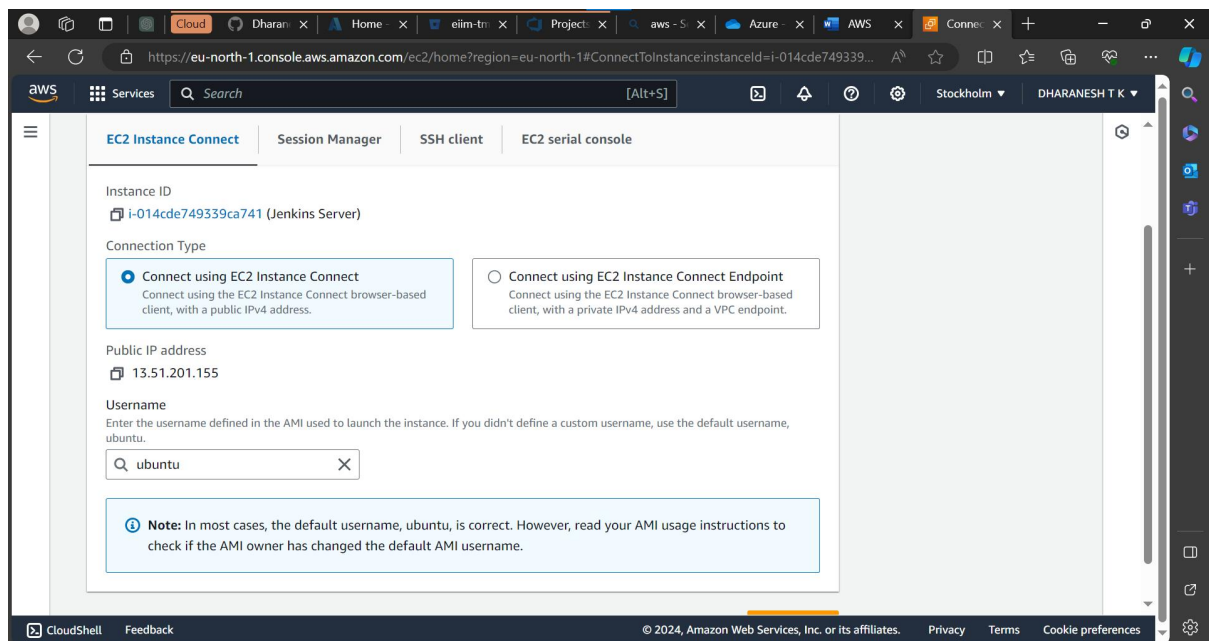
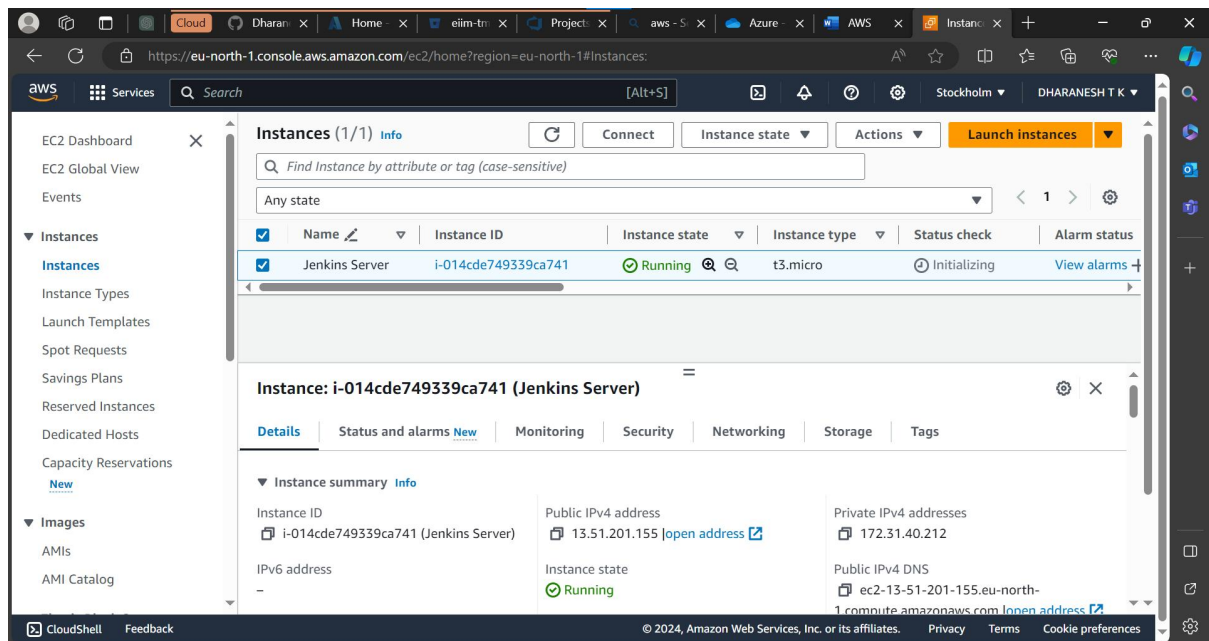
Create key pair, that allows to connect instance securely.



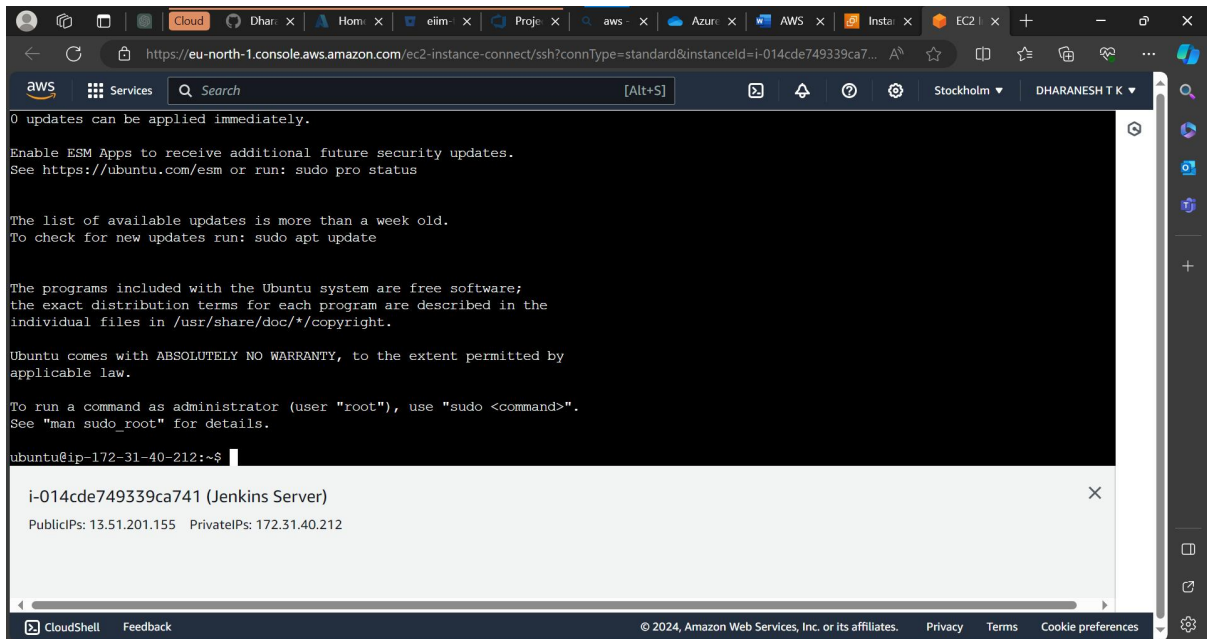
## Edit an Network Settings.



Once instance is created, then click a connect.



## Accessing the instance using AWS console.



A screenshot of the AWS CloudShell terminal interface. The terminal window is titled "i-014cde749339ca741 (Jenkins Server)" and shows the output of the command `cat /etc/os-release`. The output displays Ubuntu system information, including the version (22.04.1 LTS), architecture (amd64), and the fact that it is an Ubuntu system. The terminal prompt is `ubuntu@ip-172-31-40-212:~$`.

```
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

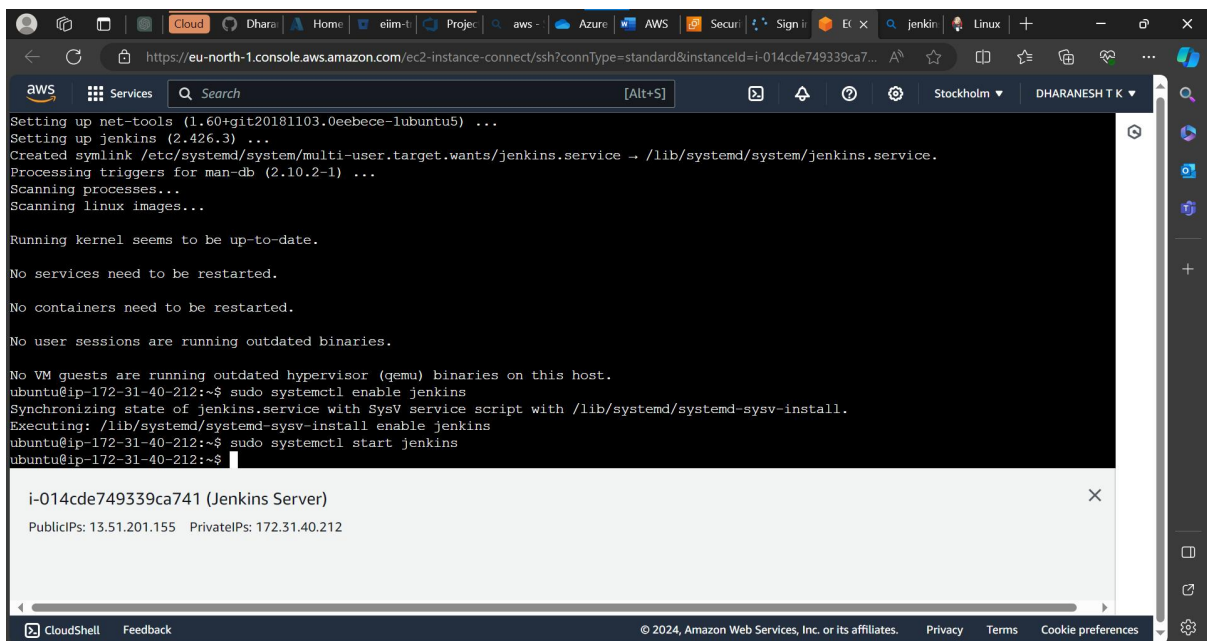
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

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-172-31-40-212:~$
```

i-014cde749339ca741 (Jenkins Server)  
PublicIPs: 13.51.201.155 PrivateIPs: 172.31.40.212



A screenshot of the AWS CloudShell terminal interface. The terminal window is titled "i-014cde749339ca741 (Jenkins Server)" and shows the output of the command `sudo systemctl enable jenkins`. The output displays the steps taken to enable the Jenkins service, including creating a symlink, processing triggers, and scanning processes. The terminal prompt is `ubuntu@ip-172-31-40-212:~$`.

```
Setting up net-tools (1.60+git20181103.0eebece-lubuntu5) ...
Setting up jenkins (2.426.3) ...
Created symlink /etc/systemd/system/multi-user.target.wants/jenkins.service → /lib/systemd/system/jenkins.service.
Processing triggers for man-db (2.10.2-1) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

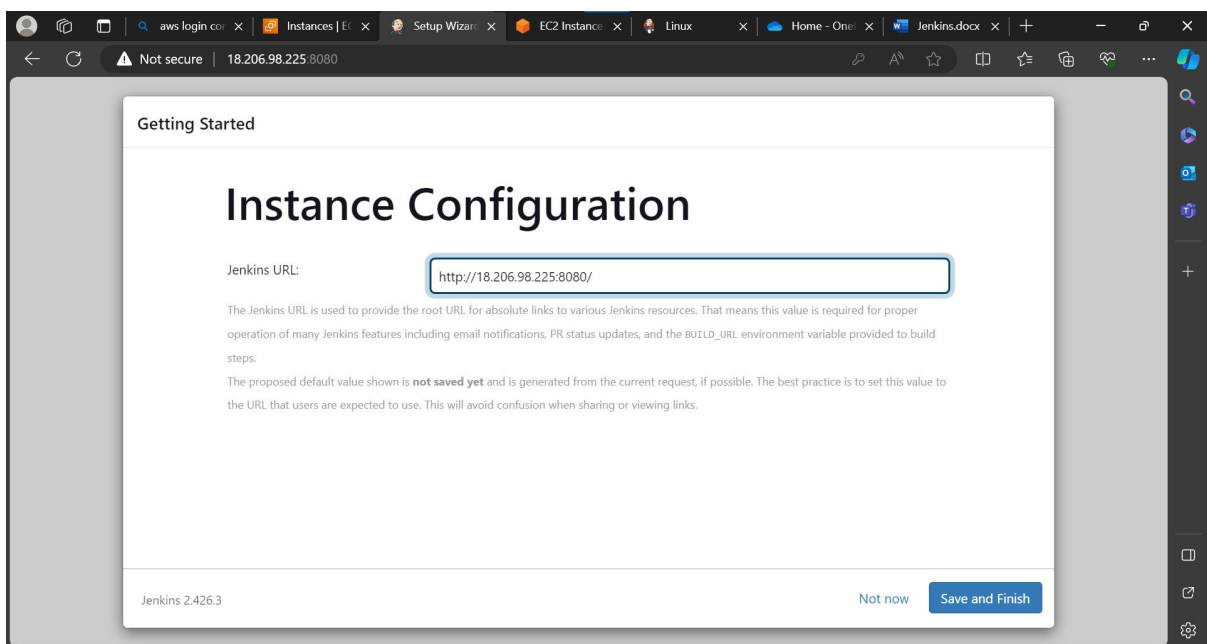
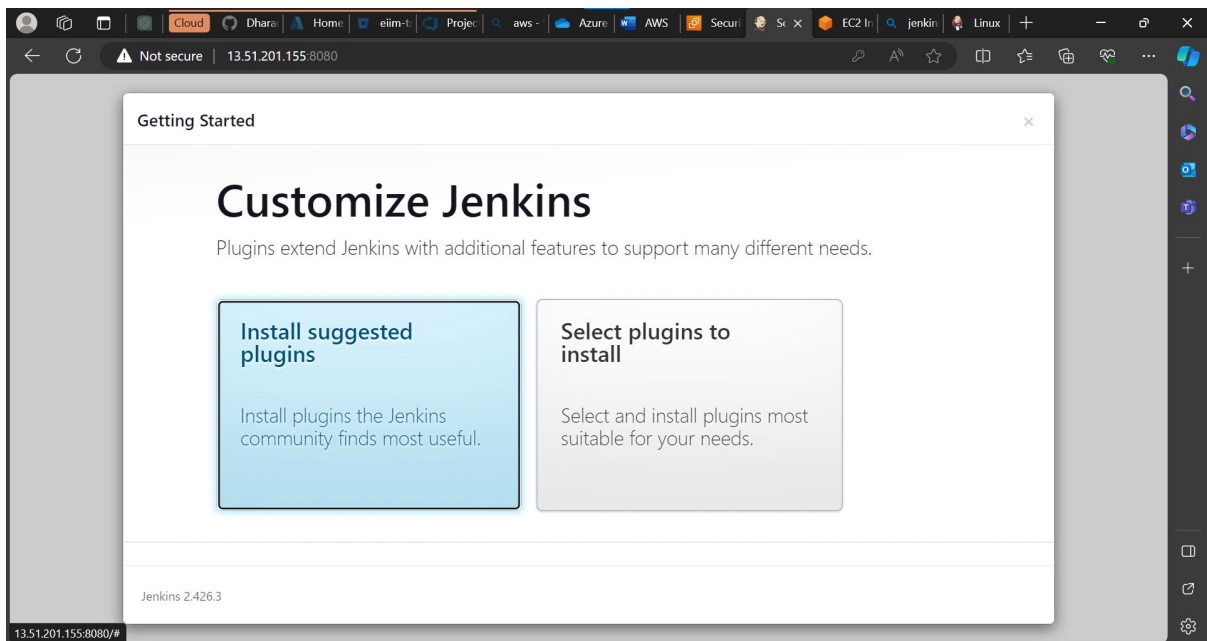
No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-40-212:~$ sudo systemctl enable jenkins
Synchronizing state of jenkins.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable jenkins
ubuntu@ip-172-31-40-212:~$ sudo systemctl start jenkins
ubuntu@ip-172-31-40-212:~$
```

i-014cde749339ca741 (Jenkins Server)  
PublicIPs: 13.51.201.155 PrivateIPs: 172.31.40.212

Routing to jenkins portal and installing suggested plugins.



## Jenkins Dashboard.

