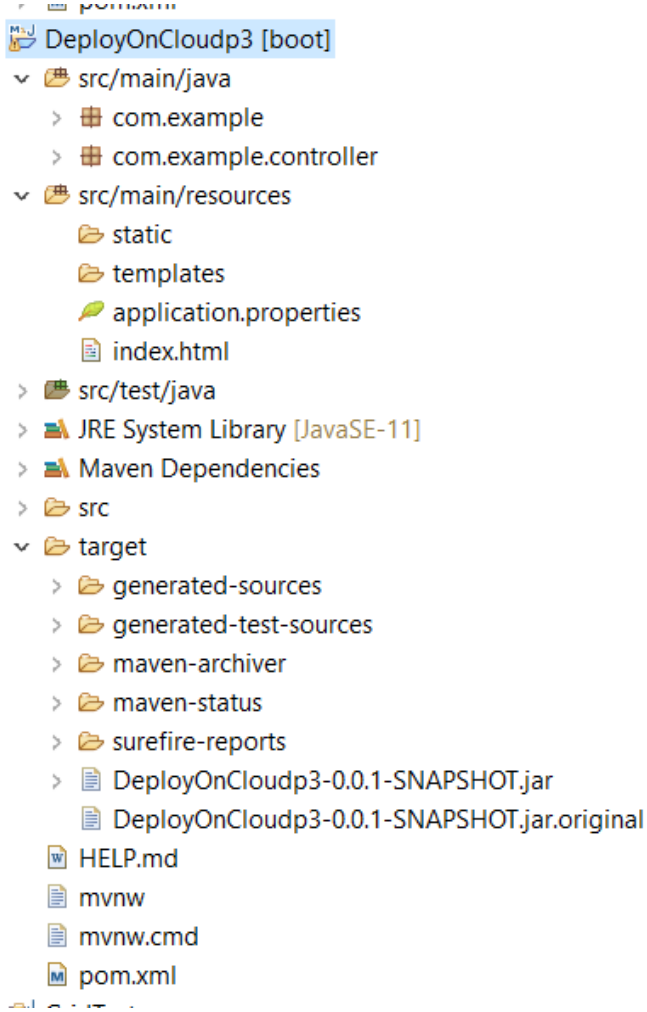
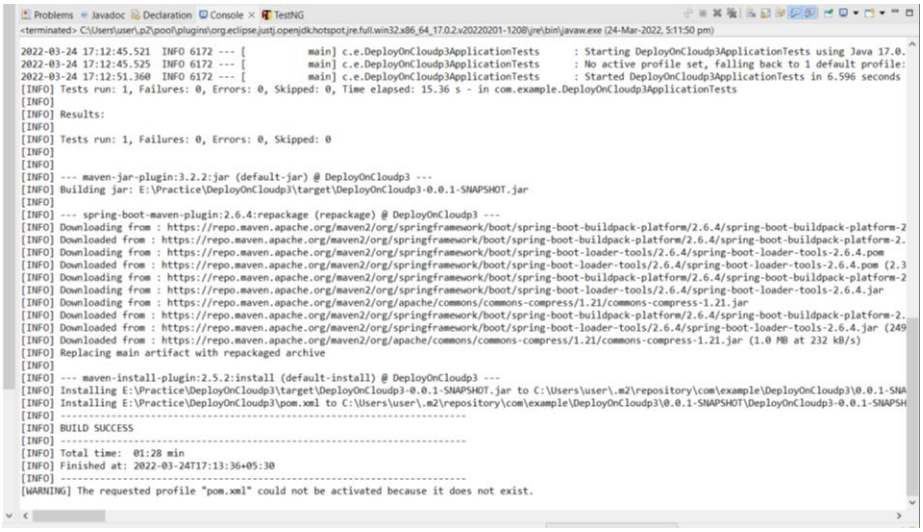
SCREEN SHOTS:

Project: Deploy spring app in Ec2

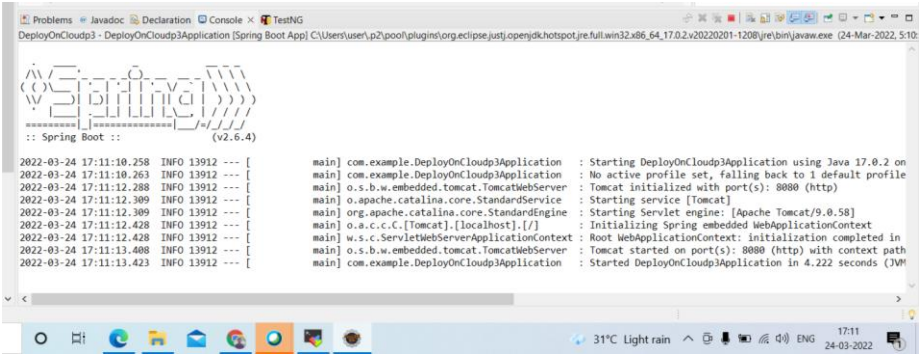
Project Explorer



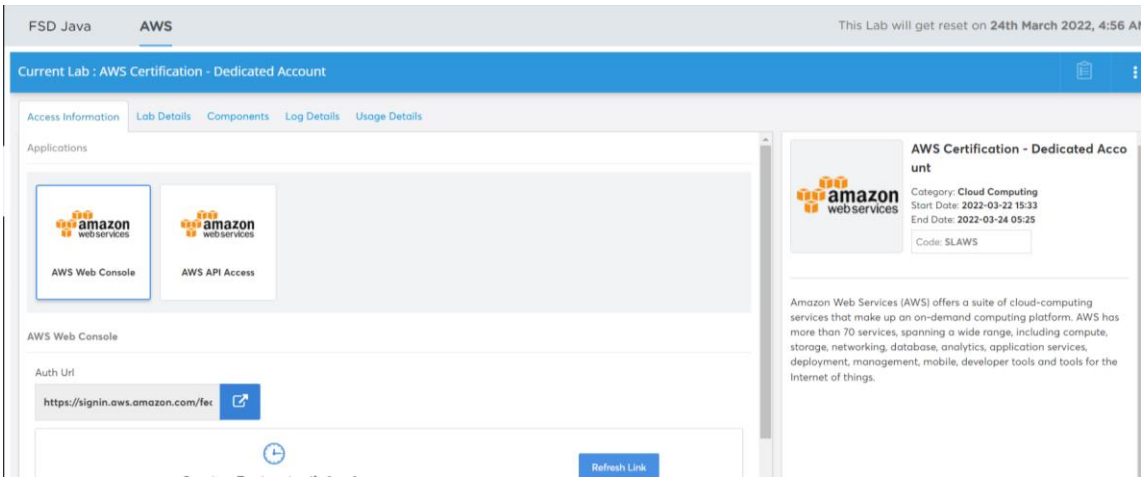
Maven install we get jar file and also build success



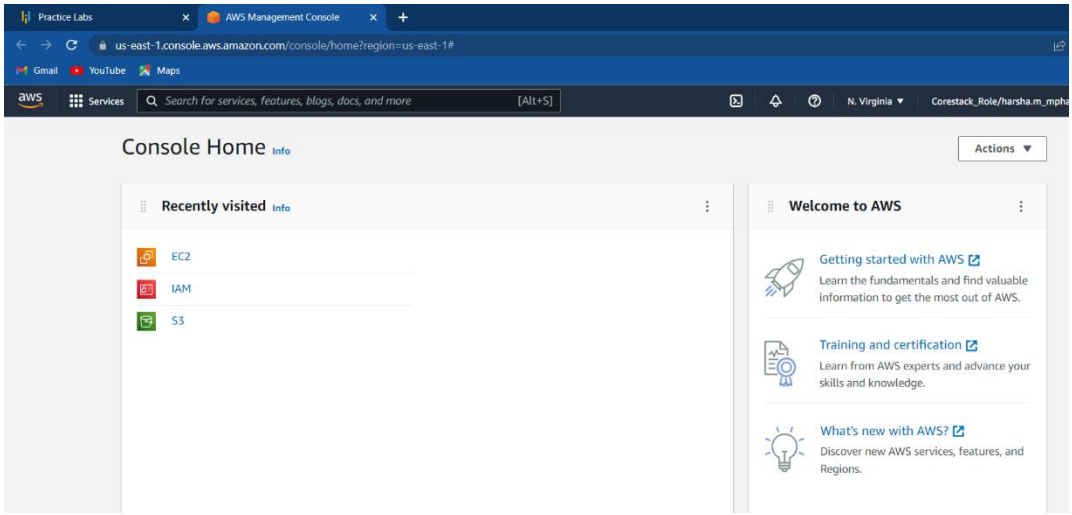
Once again running spring boot app



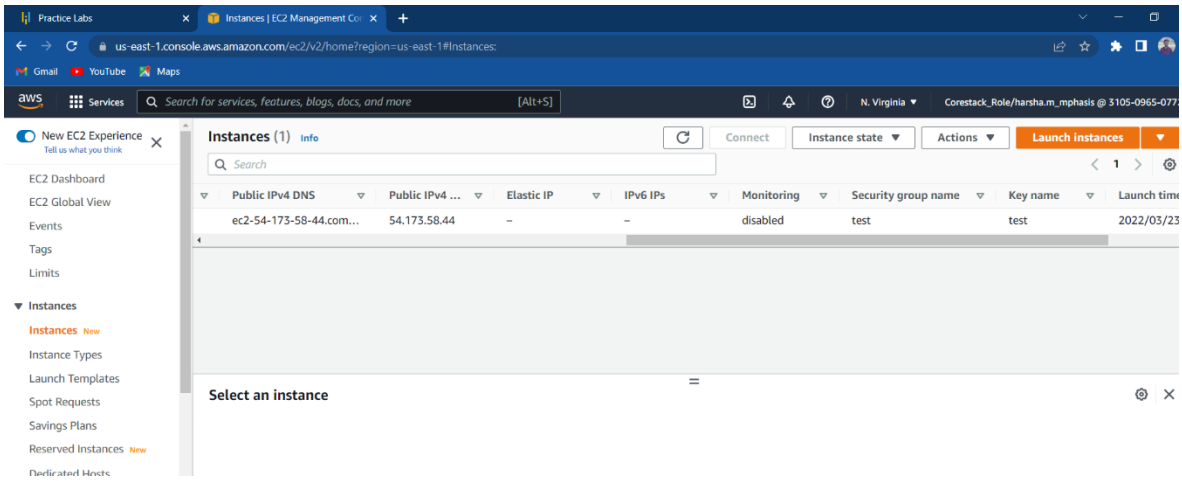
Opened practice lab



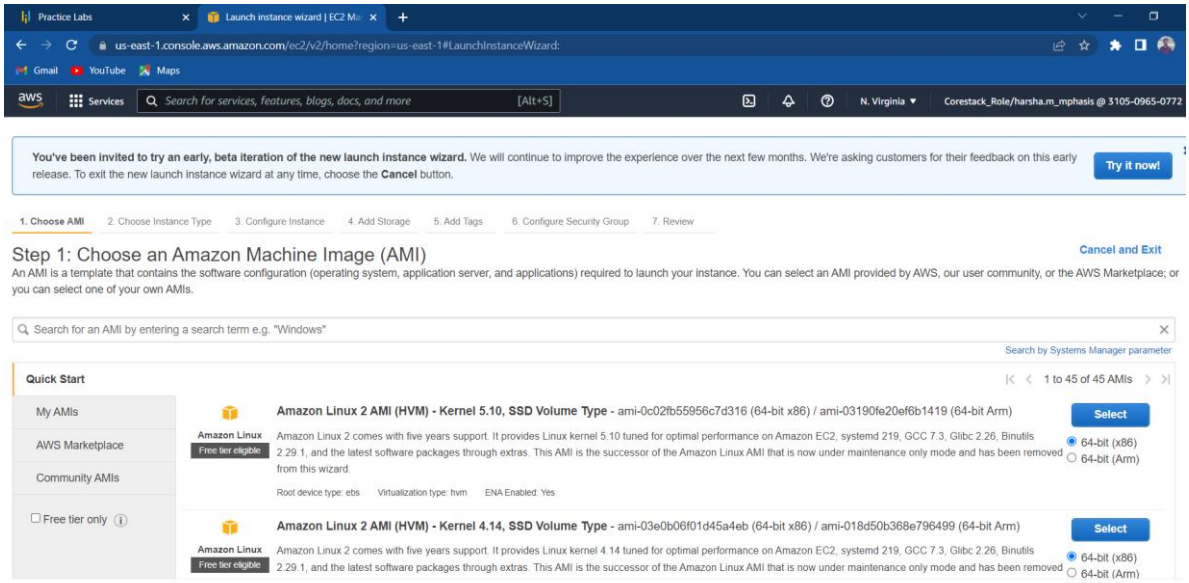
Clicking Ec2 here



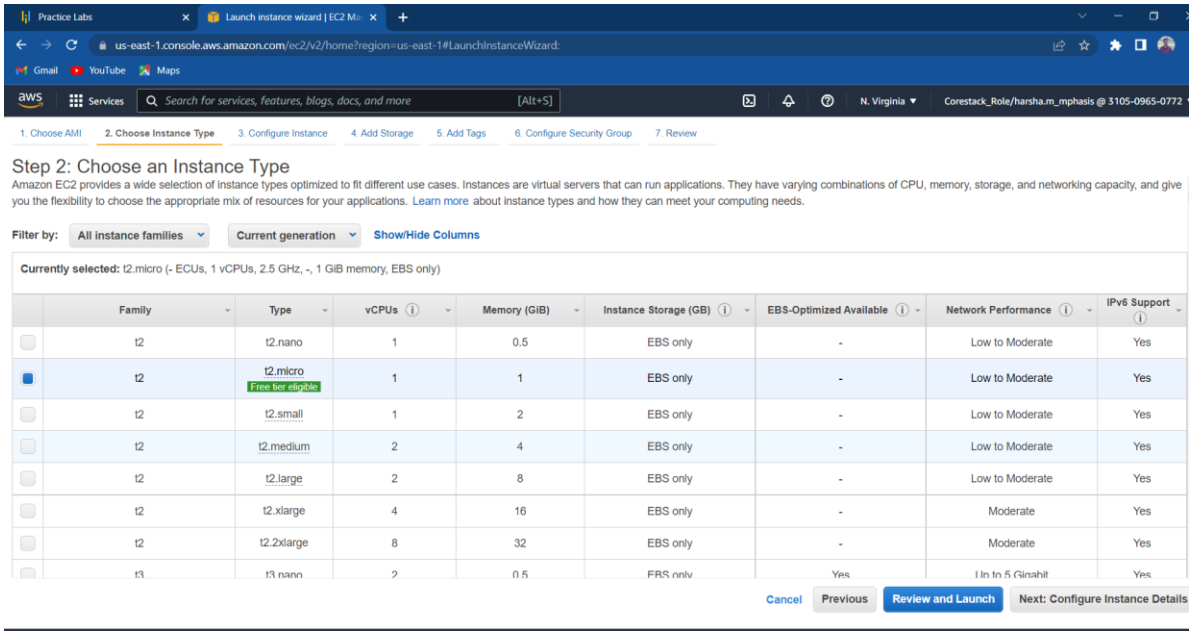
Creating New instances



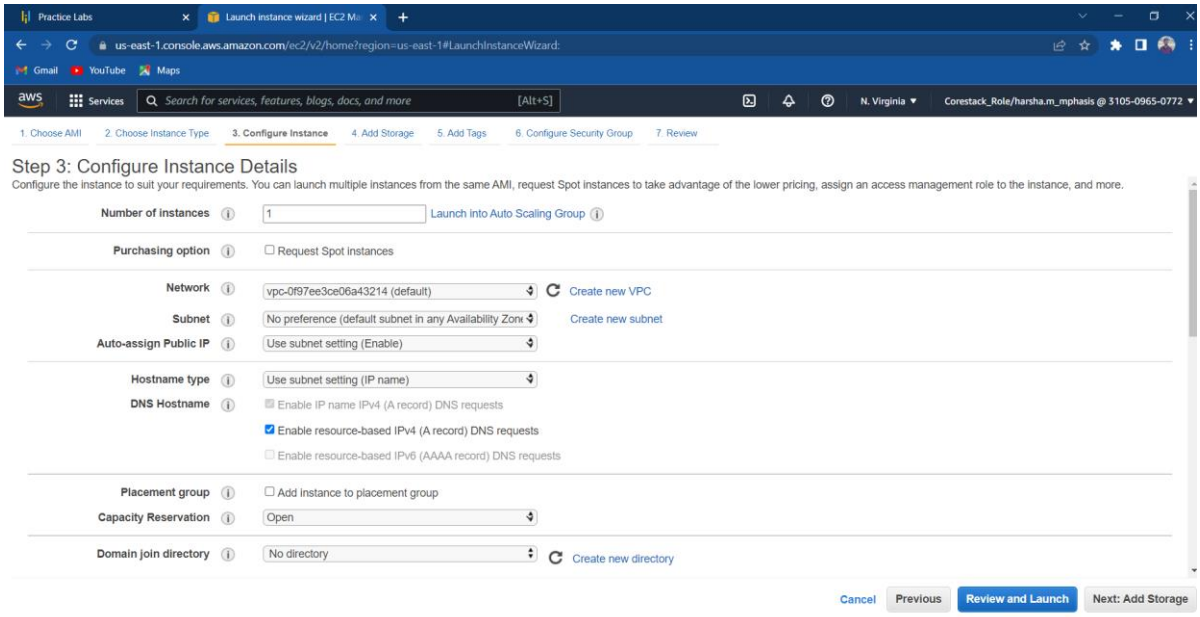
Selecting 1st option AmazonLinux2



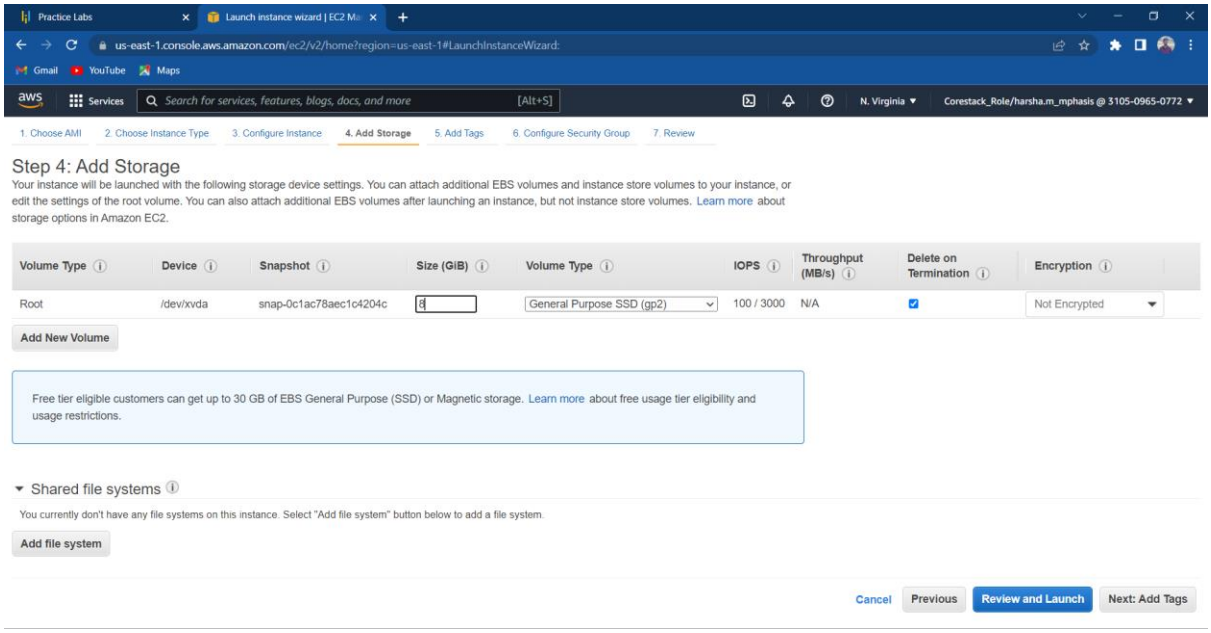
Click next



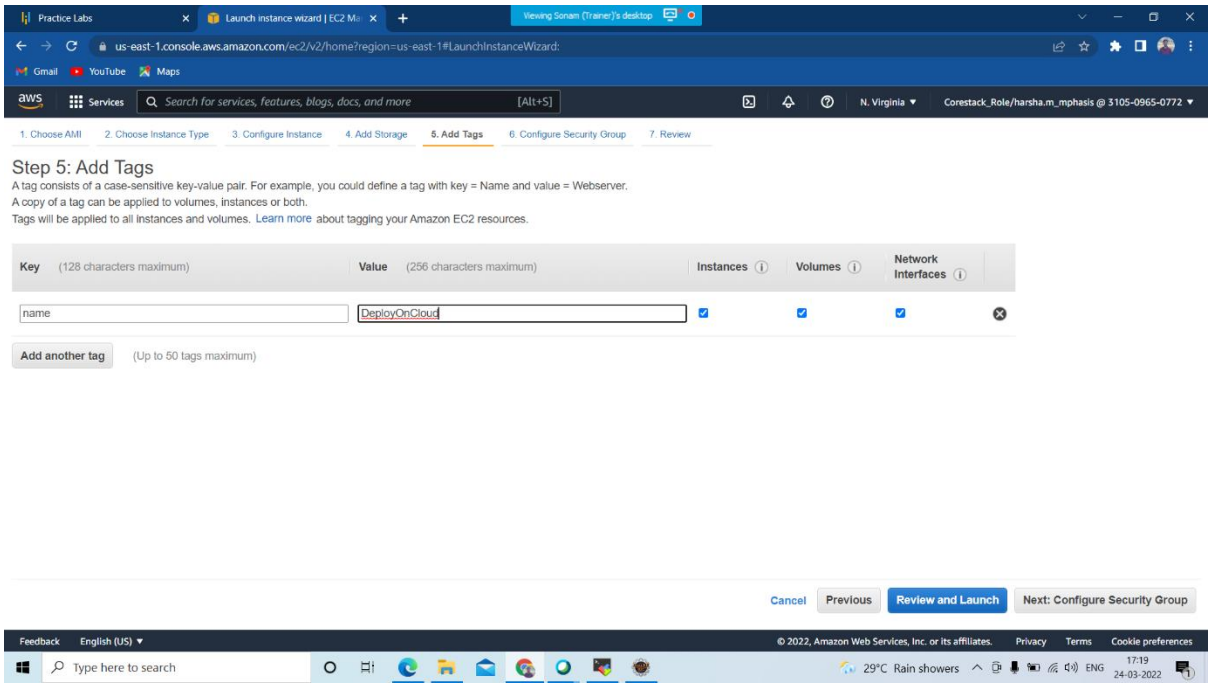
Click next



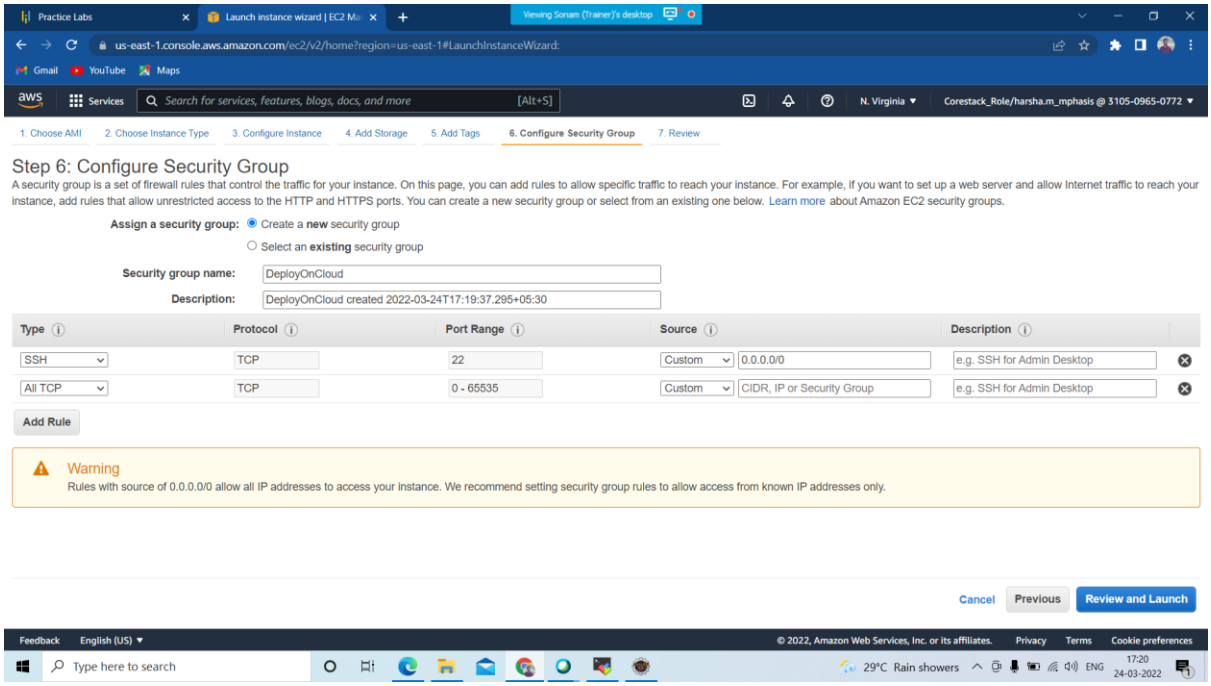
Default size 8 we can increase



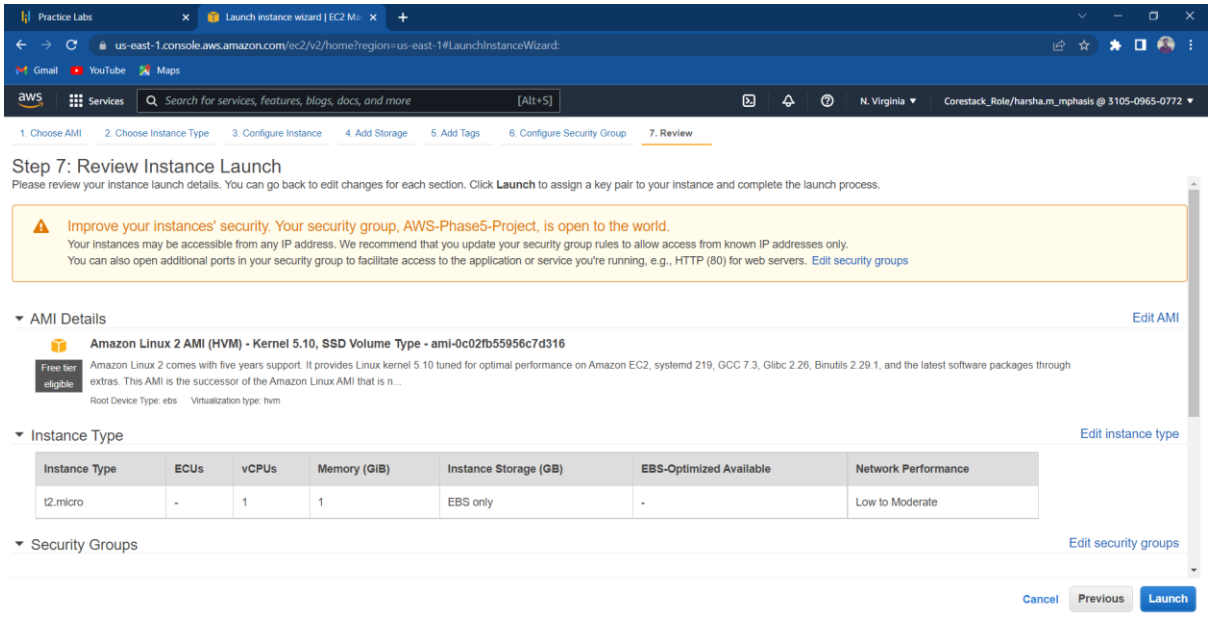
Giving key name and value

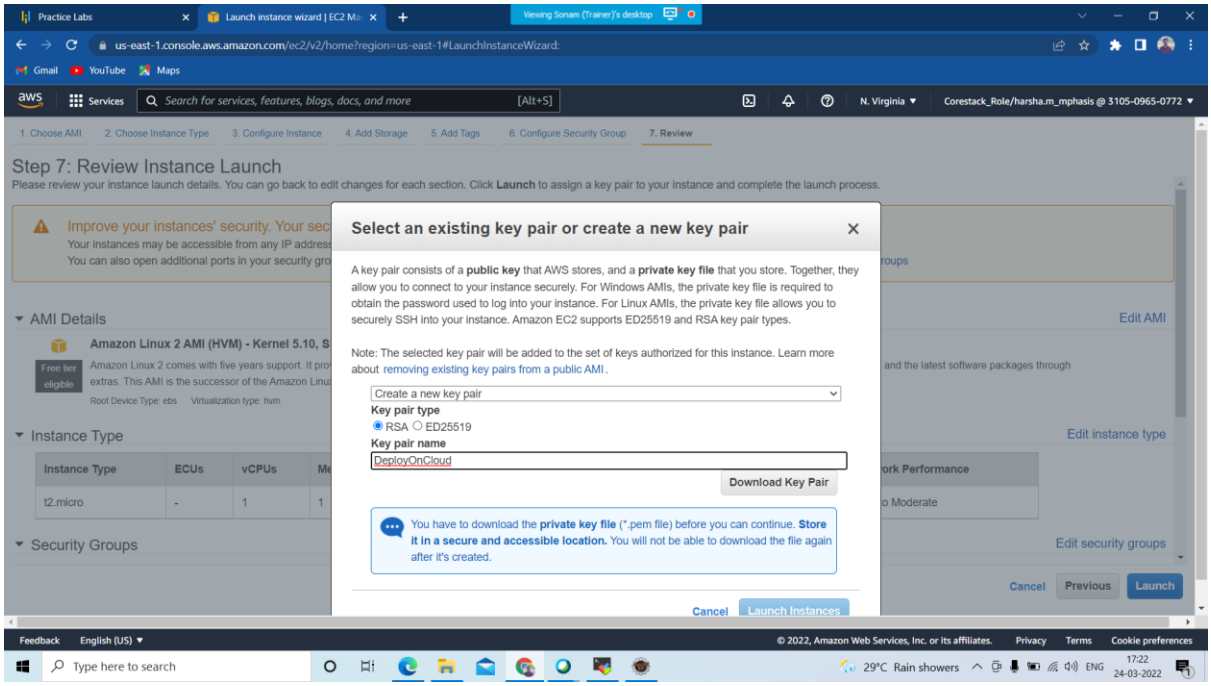


Giving security group name and description

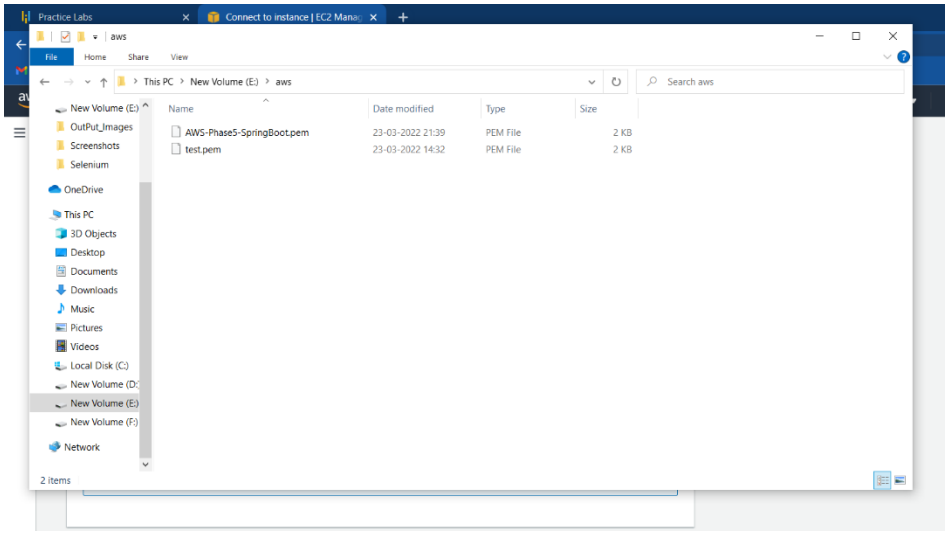

Practice Labs
Launch instance wizard | EC2 Ma
Viewing Sonam (Trainer)'s desktop
us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Gmail
YouTube
Maps
aws
Services
Search for services, features, blogs, docs, and more
[Alt+S]
N. Virginia
Corestack_Role/harsha.m_mphasis @ 3105-0965-0772
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 6: Configure Security Group
A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. Learn more about Amazon EC2 security groups.
Assign a security group:
Create a new security group
Select an existing security group
Security group name:
DeployOnCloud
Description:
DeployOnCloud created 2022-03-24T17:19:37.295+05:30
Type
Protocol
Port Range
Source
Description
SSH
TCP
22
Custom
0.0.0.0/0
e.g. SSH for Admin Desktop
All TCP
TCP
0 - 65535
Custom
CIDR, IP or Security Group
e.g. SSH for Admin Desktop
Add Rule
Warning
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.
Cancel
Previous
Review and Launch
Feedback
English (US)
© 2022, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
Type here to search
29°C Rain showers
ENG
17:20
24-03-2022

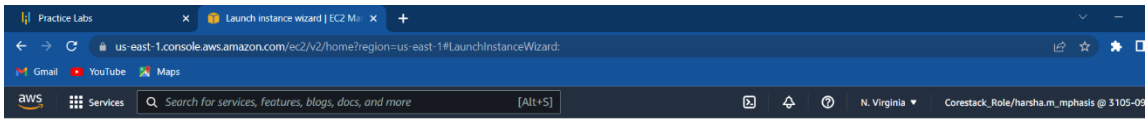
launch


Practice Labs
Launch instance wizard | EC2 Ma
us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstanceWizard:
Gmail
YouTube
Maps
aws
Services
Search for services, features, blogs, docs, and more
[Alt+S]
N. Virginia
Corestack_Role/harsha.m_mphasis @ 3105-0965-0772
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 7: Review Instance Launch
Please review your instance launch details. You can go back to edit changes for each section. Click Launch to assign a key pair to your instance and complete the launch process.
Improve your instances' security. Your security group, AWS-Phase5-Project, is open to the world.
Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only.
You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. Edit security groups
AMI Details
Edit AMI
Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type - ami-0c02fb55956c7d316
Free tier eligible
Amazon Linux 2 comes with five years support. It provides Linux kernel 5.10 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is n...
Root Device Type: ebs
Virtualization type: hvm
Instance Type
Edit instance type
Instance Type
ECUs
vCPUs
Memory (GiB)
Instance Storage (GB)
EBS-Optimized Available
Network Performance
t2.micro
-
1
1
EBS only
-
Low to Moderate
Security Groups
Edit security groups
Cancel
Previous
Launch



Downloaded key-value pair .pem file move to aws folder





Launch Status

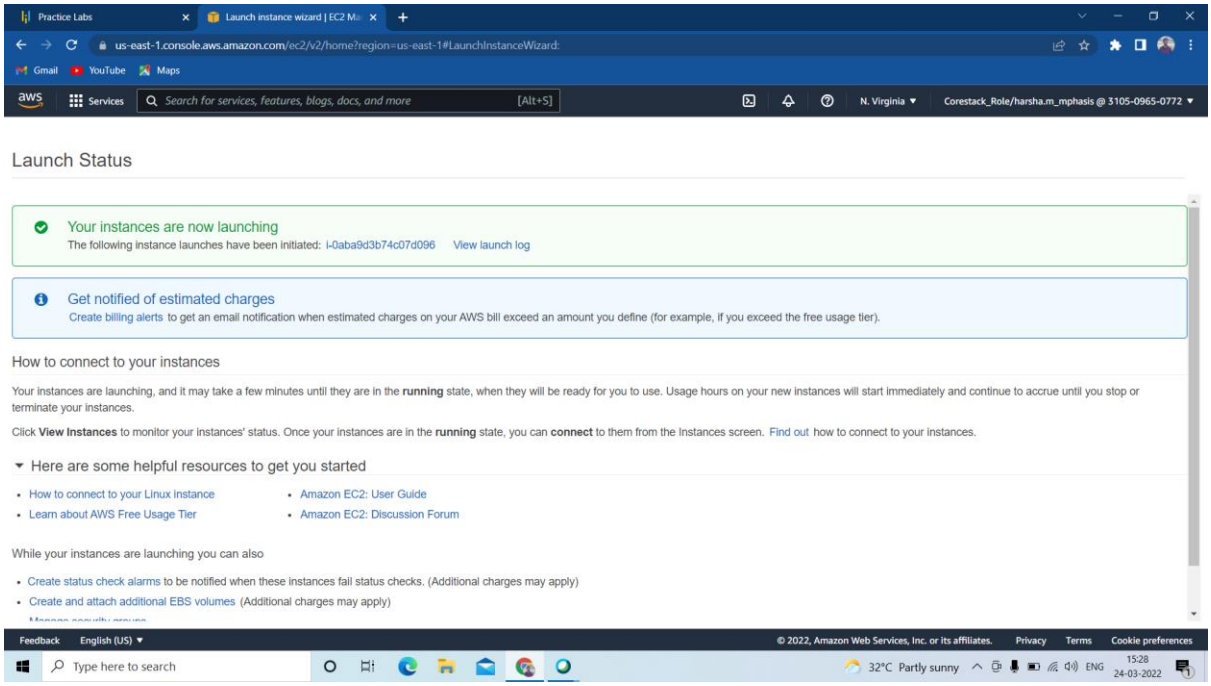
Initiating Instance Launches

Please do not close your browser while this is loading

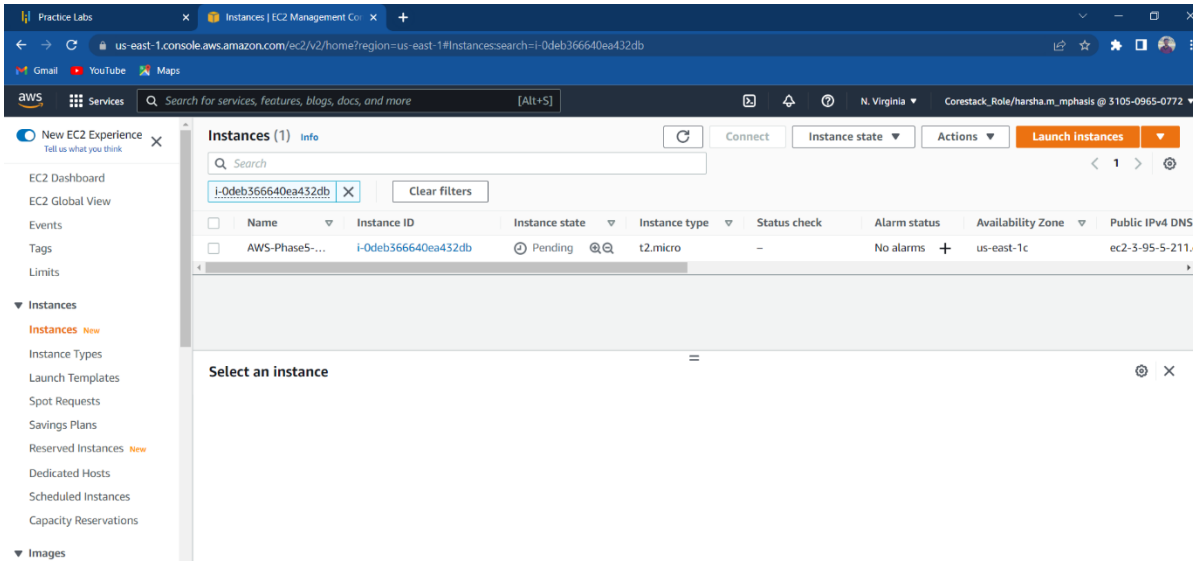
Creating security groups... Successful

Authorizing inbound rules... Successful

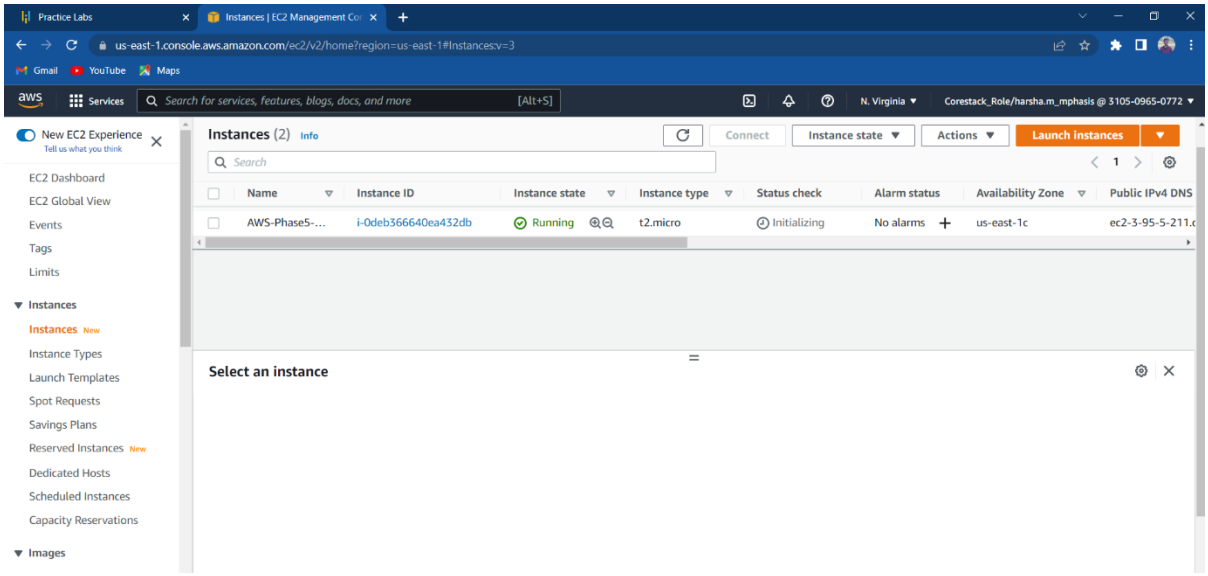
Initiating launches...

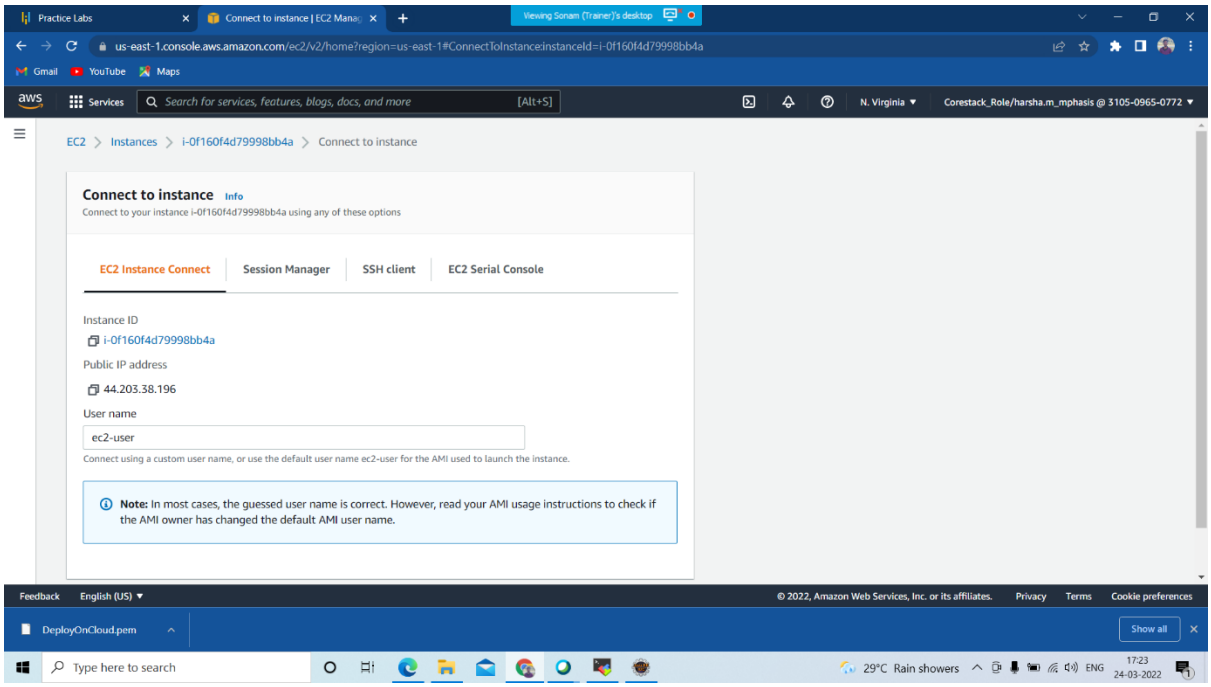


Instance is in pending state

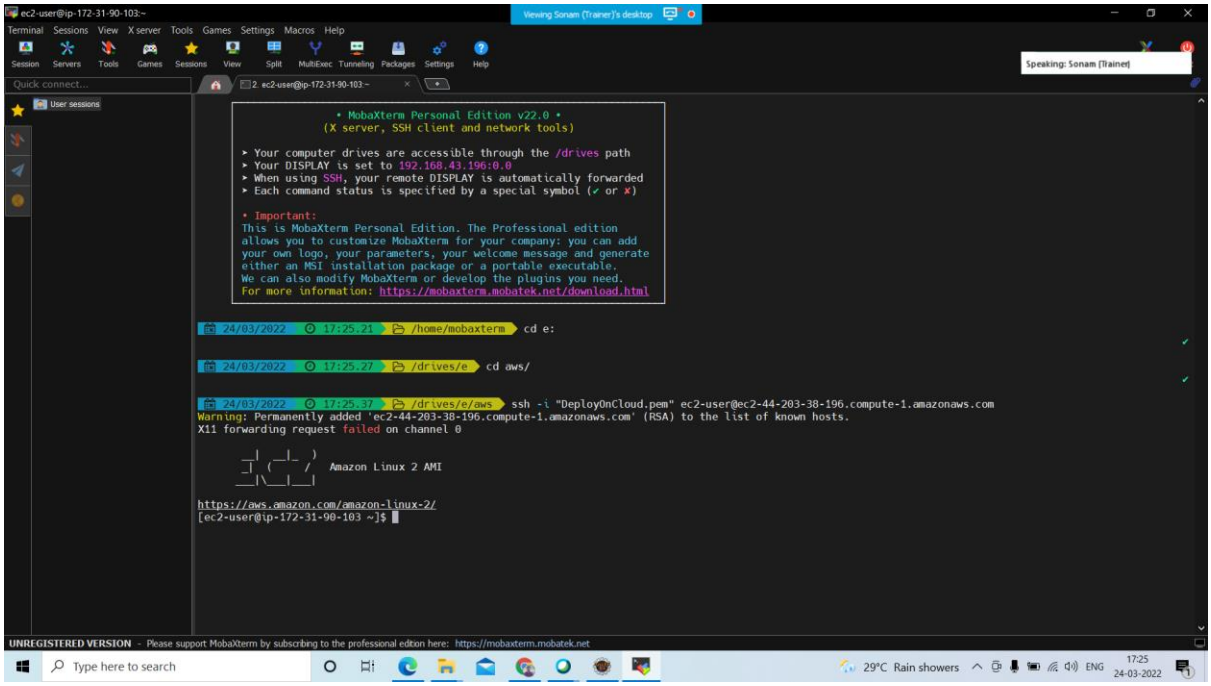


Now we can see its in running state

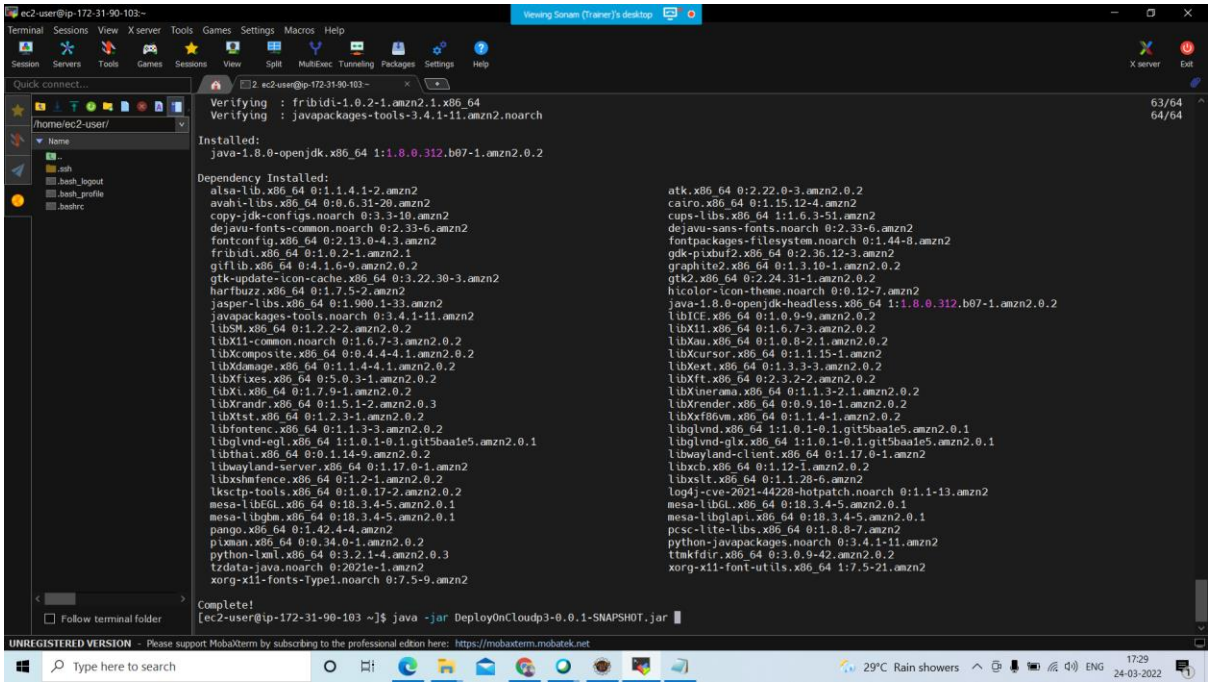

Practice Labs
Instances | EC2 Management Co
us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:v=3
Gmail
YouTube
Maps
Services
Search for services, features, blogs, docs, and more
[Alt+S]
N. Virginia
Corestack_Role/harsha.m_mphasis @ 3105-0965-0772
New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
Events
Tags
Limits
Instances
Instances New
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances New
Dedicated Hosts
Scheduled Instances
Capacity Reservations
Images
Instances (2) Info
Connect
Instance state
Actions
Launch instances
Search
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 DNS
AWS-Phase5-...
i-0deb366640ea432db
Running
t2.micro
Initializing
No alarms
us-east-1c
Select an instance


Practice Labs
Connect to instance | EC2 Mana
Viewing Sonam (Trainer)'s desktop
us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#ConnectToInstance:instanceId=i-0f160f4d79998bb4a
Gmail
YouTube
Maps
Services
Search for services, features, blogs, docs, and more
[Alt+S]
N. Virginia
Corestack_Role/harsha.m_mphasis @ 3105-0965-0772
EC2 > Instances > i-0f160f4d79998bb4a > Connect to instance
Connect to instance Info
Connect to your instance i-0f160f4d79998bb4a using any of these options
EC2 Instance Connect
Session Manager
SSH client
EC2 Serial Console
Instance ID
i-0f160f4d79998bb4a
Public IP address
44.203.38.196
User name
ec2-user
Connect using a custom user name, or use the default user name ec2-user for the AMI used to launch the instance.
Note: In most cases, the guessed user name is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.
Feedback
English (US)
© 2022, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
DeployOnCloud.pem
Show all
Type here to search
29°C Rain showers
ENG
17:23
24-03-2022

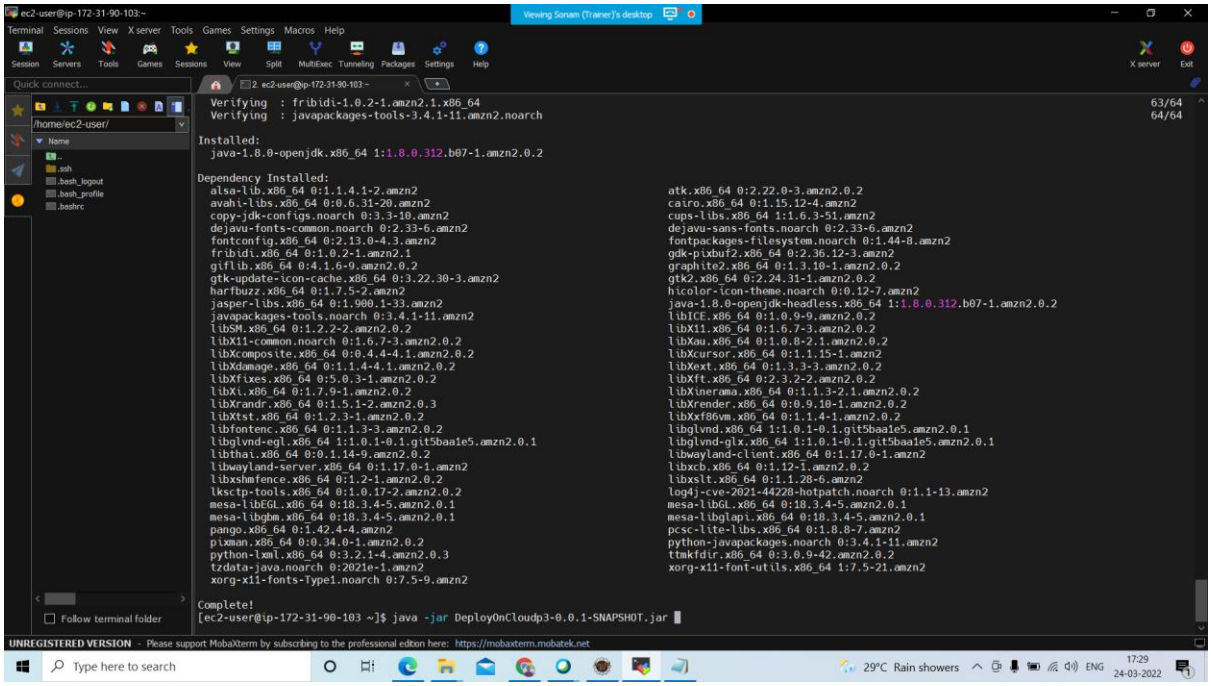
Moving to aws folder and executing ssh

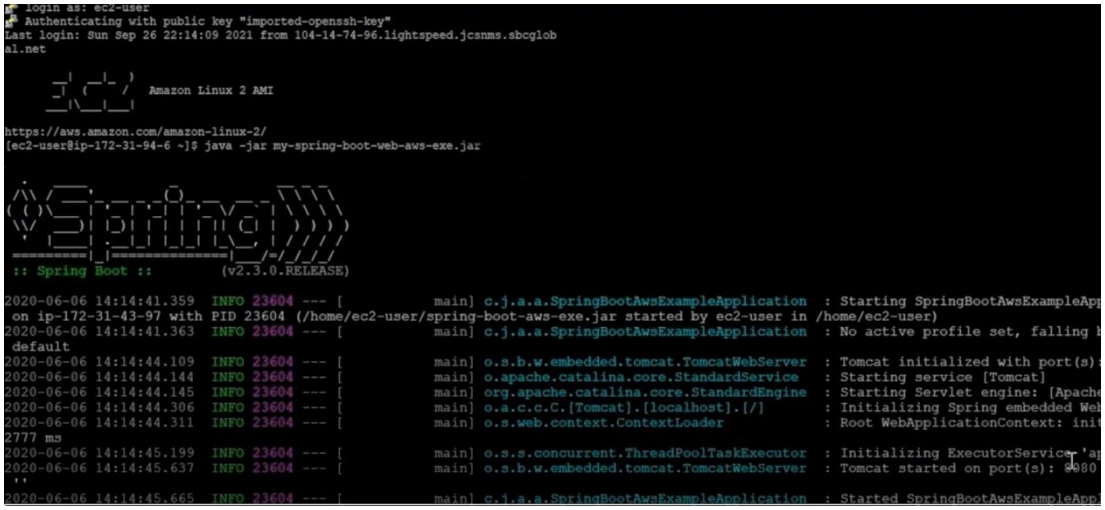


Installing java to run



Running spring boot maven jar


ec2-user@ip-172-31-90-103:~
Viewing Sonam (Trainer)'s desktop
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
X server Exit
Quick connect...
2. ec2-user@ip-172-31-90-103:~
/home/ec2-user/
Name
.ssh
.bash_logout
.bash_profile
.bashrc
Follow terminal folder
Verifying : fribidi-1.0.2-1.amzn2.1.x86_64 63/64
Verifying : javapackages-tools-3.4.1-11.amzn2.noarch 64/64
Installed:
java-1.8.0-openjdk.x86_64 1:1.8.0.312.b07-1.amzn2.0.2
Dependency Installed:
alsa-lib.x86_64 0:1.1.4.1-2.amzn2
atk.x86_64 0:2.22.0-3.amzn2.0.2
avahi-libs.x86_64 0:0.6.31-20.amzn2
cairo.x86_64 0:1.15.12-4.amzn2
copy-jdk-configs.noarch 0:3.3-10.amzn2
cups-libs.x86_64 1:1.6.3-51.amzn2
dejavu-fonts-common.noarch 0:2.33-6.amzn2
dejavu-sans-fonts.noarch 0:2.33-6.amzn2
fontconfig.x86_64 0:2.13.0-4.3.amzn2
fontpackages-filesystem.noarch 0:1.44-8.amzn2
fribidi.x86_64 0:1.0.2-1.amzn2.1
gdk-pixbuf2.x86_64 0:2.36.12-3.amzn2
giflib.x86_64 0:4.1.6-9.amzn2.0.2
graphite2.x86_64 0:1.3.10-1.amzn2.0.2
gtk-update-icon-cache.x86_64 0:3.22.30-3.amzn2
gtk2.x86_64 0:2.24.31-1.amzn2.0.2
harfbuzz.x86_64 0:1.7.5-2.amzn2
hicolor-icon-theme.noarch 0:0.12-7.amzn2
jasper-libs.x86_64 0:1.900.1-33.amzn2
java-1.8.0-openjdk-headless.x86_64 1:1.8.0.312.b07-1.amzn2.0.2
javapackages-tools.noarch 0:3.4.1-11.amzn2
libICE.x86_64 0:1.0.9-9.amzn2.0.2
libSM.x86_64 0:1.2.2-2.amzn2.0.2
libX11.x86_64 0:1.6.7-3.amzn2.0.2
libX11-common.noarch 0:1.6.7-3.amzn2.0.2
libXau.x86_64 0:1.0.8-2.1.amzn2.0.2
libXcomposite.x86_64 0:0.4.4-4.1.amzn2.0.2
libXcursor.x86_64 0:1.1.15-1.amzn2
libXdamage.x86_64 0:1.1.4-4.1.amzn2.0.2
libXext.x86_64 0:1.3.3-3.amzn2.0.2
libXfixes.x86_64 0:5.0.3-1.amzn2.0.2
libXft.x86_64 0:2.3.2-2.amzn2.0.2
libXi.x86_64 0:1.7.9-1.amzn2.0.2
libXinerama.x86_64 0:1.1.3-2.1.amzn2.0.2
libXrandr.x86_64 0:1.5.1-2.amzn2.0.3
libXrender.x86_64 0:0.9.10-1.amzn2.0.2
libXtst.x86_64 0:1.2.3-1.amzn2.0.2
libXxf86vm.x86_64 0:1.1.4-1.amzn2.0.2
libfontenc.x86_64 0:1.1.3-3.amzn2.0.2
libglvnd.x86_64 1:1.0.1-0.1.git5baa1e5.amzn2.0.1
libglvnd-egl.x86_64 1:1.0.1-0.1.git5baa1e5.amzn2.0.1
libglvnd-glx.x86_64 1:1.0.1-0.1.git5baa1e5.amzn2.0.1
libthai.x86_64 0:0.1.14-9.amzn2.0.2
libwayland-client.x86_64 0:1.17.0-1.amzn2
libwayland-server.x86_64 0:1.17.0-1.amzn2
libxcb.x86_64 0:1.12-1.amzn2.0.2
libxshmfence.x86_64 0:1.2-1.amzn2.0.2
libxslt.x86_64 0:1.1.28-6.amzn2
lksctp-tools.x86_64 0:1.0.17-2.amzn2.0.2
log4j-cve-2021-44228-hotpatch.noarch 0:1.1-13.amzn2
mesa-libEGL.x86_64 0:18.3.4-5.amzn2.0.1
mesa-libGL.x86_64 0:18.3.4-5.amzn2.0.1
mesa-libgbm.x86_64 0:18.3.4-5.amzn2.0.1
mesa-libglapi.x86_64 0:18.3.4-5.amzn2.0.1
pango.x86_64 0:1.42.4-4.amzn2
pcsc-lite-libs.x86_64 0:1.8.8-7.amzn2
pixman.x86_64 0:0.34.0-1.amzn2.0.2
python-javapackages.noarch 0:3.4.1-11.amzn2
python-lxml.x86_64 0:3.2.1-4.amzn2.0.3
ttmkfdir.x86_64 0:3.0.9-42.amzn2.0.2
tzdata-java.noarch 0:2021e-1.amzn2
xorg-x11-font-utils.x86_64 1:7.5-21.amzn2
xorg-x11-fonts-Type1.noarch 0:7.5-9.amzn2
Complete!
[ec2-user@ip-172-31-90-103 ~]$ java -jar DeployOnCloudp3-0.0.1-SNAPSHOT.jar
UNREGISTERED VERSION - Please support MobaXterm by subscribing to the professional edition here: https://mobaxterm.mobatek.net
Type here to search
29°C Rain showers
ENG
17:29
24-03-2022


login as: ec2-user
Authenticating with public key "imported-openssh-key"
Last login: Sun Sep 26 22:14:09 2021 from 104-14-74-96.lightspeed.jcsnms.sbcglob
al.net
Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-94-6 ~]$ java -jar my-spring-boot-web-aws-exe.jar
:: Spring Boot :: (v2.3.0.RELEASE)
2020-06-06 14:14:41.359 INFO 23604 --- [main] c.j.a.a.SpringBootAwsExampleApplication : Starting SpringBootAwsExampleApp
on ip-172-31-43-97 with PID 23604 (/home/ec2-user/spring-boot-aws-exe.jar started by ec2-user in /home/ec2-user)
2020-06-06 14:14:41.363 INFO 23604 --- [main] c.j.a.a.SpringBootAwsExampleApplication : No active profile set, falling
default
2020-06-06 14:14:44.109 INFO 23604 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s)
2020-06-06 14:14:44.144 INFO 23604 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2020-06-06 14:14:44.145 INFO 23604 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apach
2020-06-06 14:14:44.306 INFO 23604 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded Web
2020-06-06 14:14:44.311 INFO 23604 --- [main] o.s.web.context.ContextLoader : Root WebApplicationContext: init
2777 ms
2020-06-06 14:14:45.199 INFO 23604 --- [main] o.s.s.concurrent.ThreadPoolTaskExecutor : Initializing ExecutorService 'ap
2020-06-06 14:14:45.637 INFO 23604 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080
2020-06-06 14:14:45.665 INFO 23604 --- [main] c.j.a.a.SpringBootAwsExampleApplication : Started SpringBootAwsExampleApp