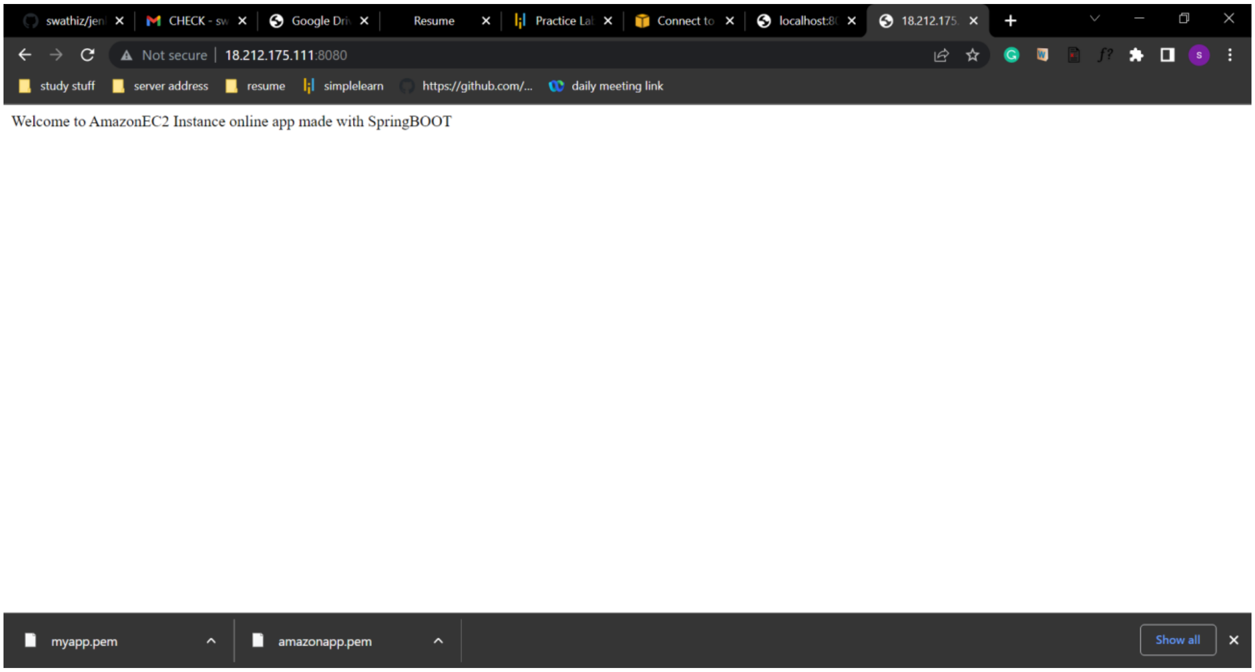
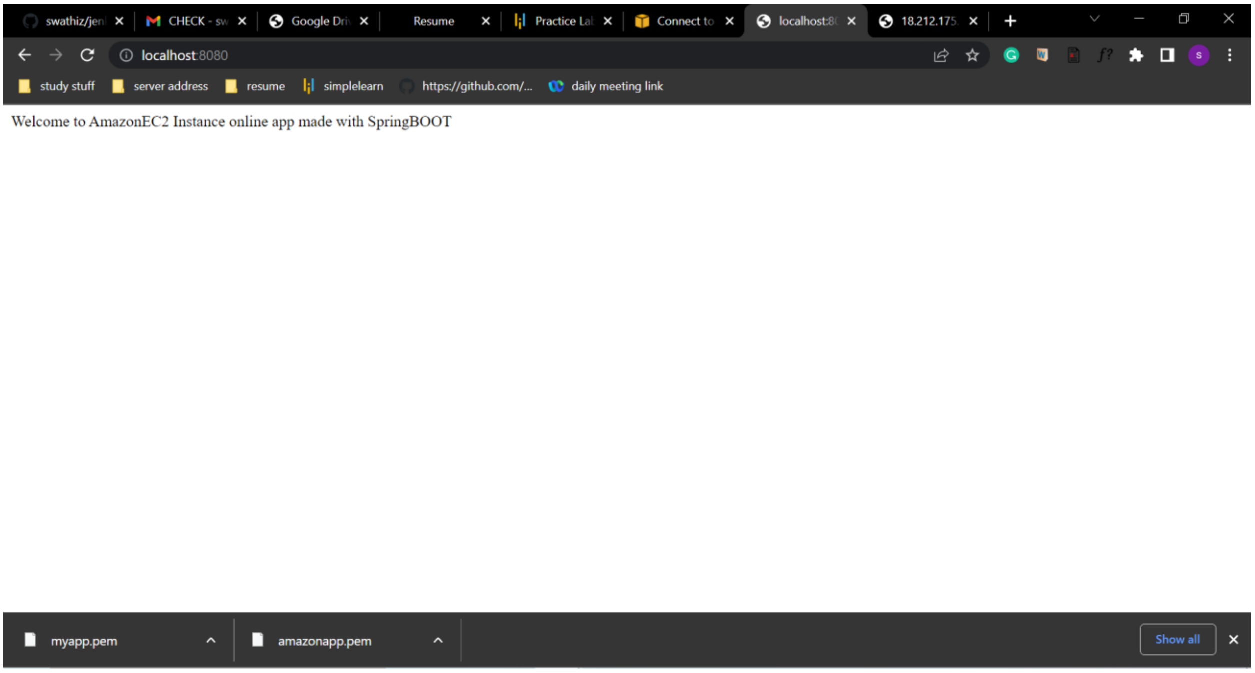
After Deploying to aws output of springboot app.



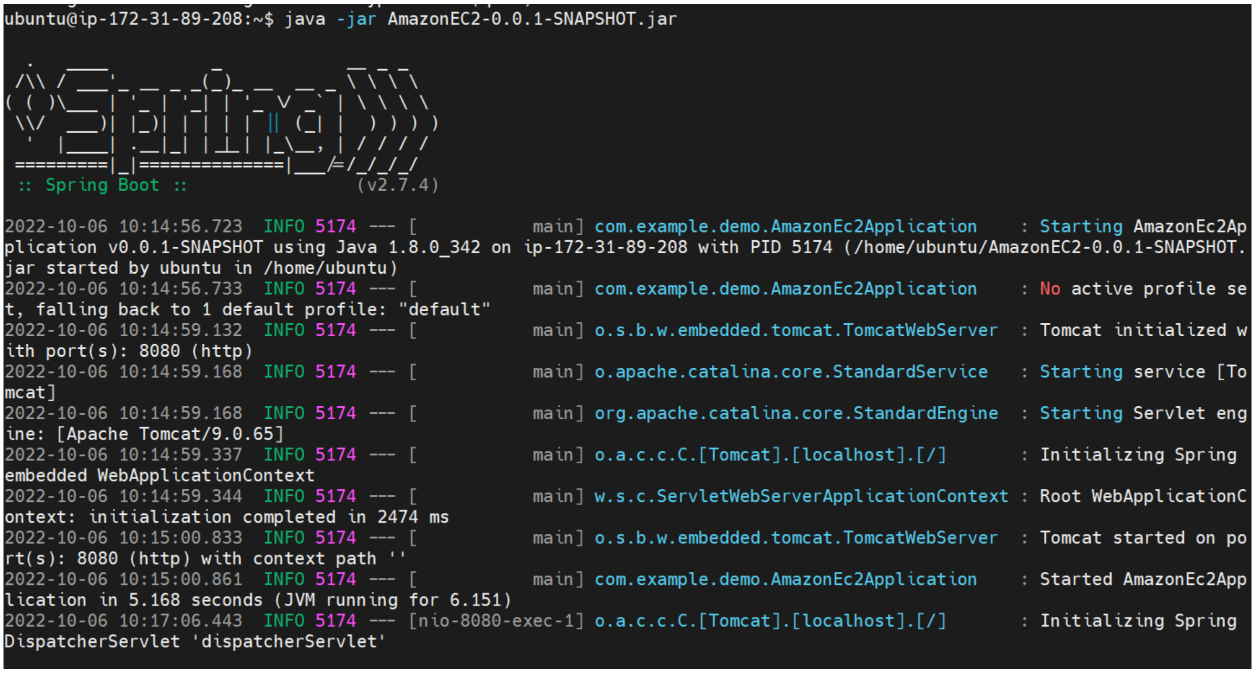
Welcome to AmazonEC2 Instance online app made with SpringBOOT

Output of spring boot app in localhost



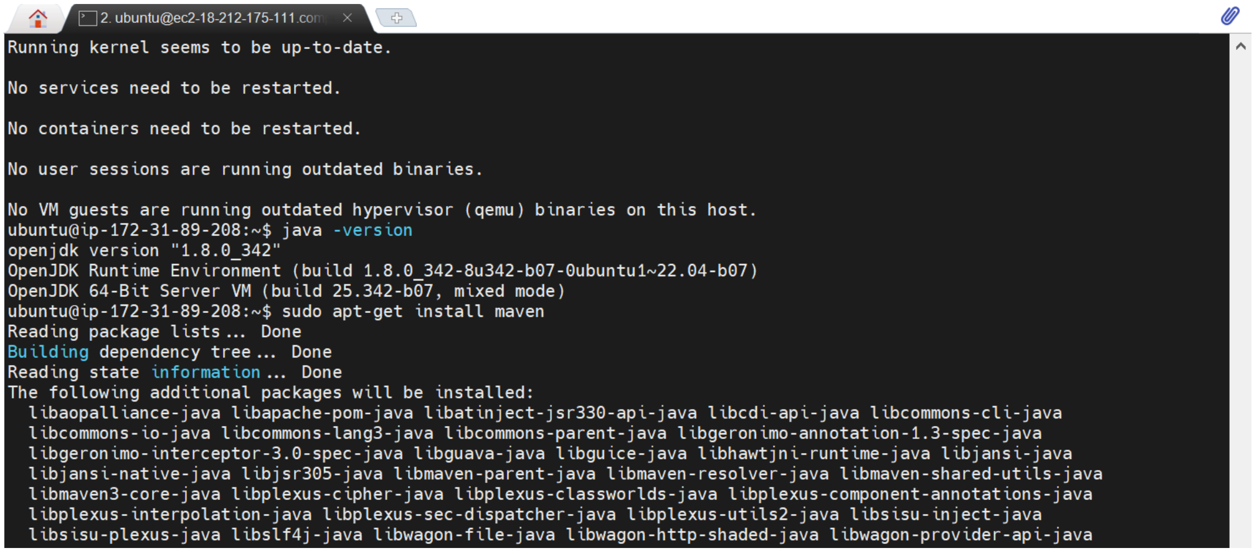
Welcome to AmazonEC2 Instance online app made with SpringBOOT

Console output of executing the springboot app in mobaxterm console.



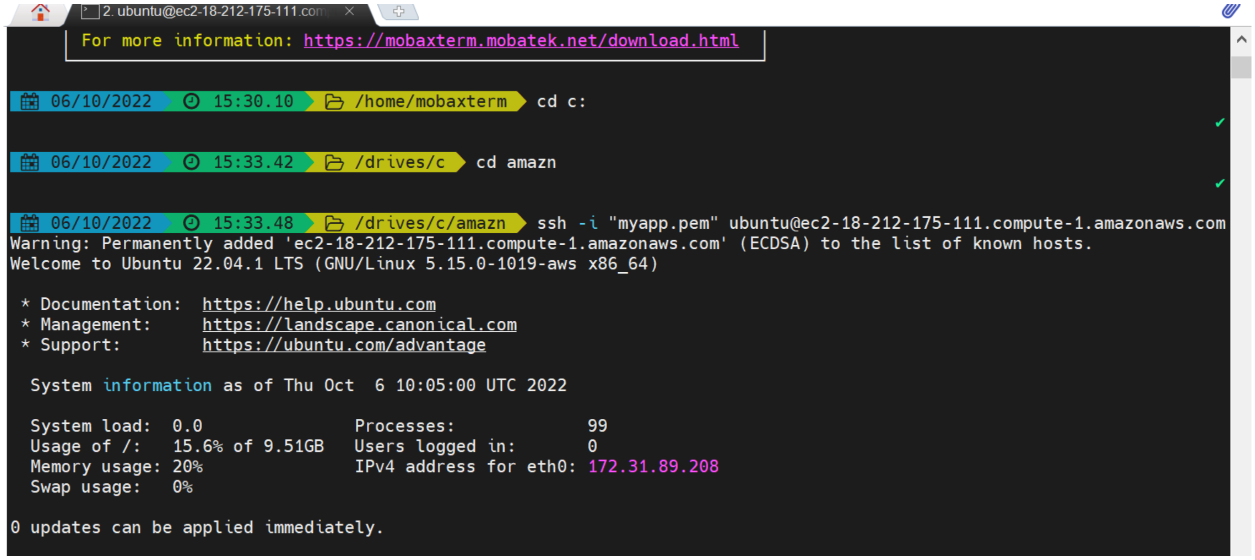
```
ubuntu@ip-172-31-89-208:~$ java -jar AmazonEC2-0.0.1-SNAPSHOT.jar

  .   ____          _            __ _ _
 /\\ / ___'_ __ _ _(_)_ __  __ _ \ \ \ \
( ( )\___ | '_ | '_| | '_ \/ _` | \ \ \ \
 \\/  ___)| |_)| | | | | || (_| |  ) ) ) )
  '  |____| .__|_| |_|_| |_\__, | / / / /
 =========|_|==============|___/=/_/_/_/
 :: Spring Boot ::                (v2.7.4)

2022-10-06 10:14:56.723  INFO 5174 --- [           main] com.example.demo.AmazonEc2Application    : Starting AmazonEc2Ap
plication v0.0.1-SNAPSHOT using Java 1.8.0_342 on ip-172-31-89-208 with PID 5174 (/home/ubuntu/AmazonEC2-0.0.1-SNAPSHOT.
jar started by ubuntu in /home/ubuntu)
2022-10-06 10:14:56.733  INFO 5174 --- [           main] com.example.demo.AmazonEc2Application    : No active profile se
t, falling back to 1 default profile: "default"
2022-10-06 10:14:59.132  INFO 5174 --- [           main] o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat initialized w
ith port(s): 8080 (http)
2022-10-06 10:14:59.168  INFO 5174 --- [           main] o.apache.catalina.core.StandardService   : Starting service [To
mcat]
2022-10-06 10:14:59.168  INFO 5174 --- [           main] org.apache.catalina.core.StandardEngine  : Starting Servlet eng
ine: [Apache Tomcat/9.0.65]
2022-10-06 10:14:59.337  INFO 5174 --- [           main] o.a.c.c.C.[Tomcat].[localhost].[/]       : Initializing Spring
embedded WebApplicationContext
2022-10-06 10:14:59.344  INFO 5174 --- [           main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationC
ontext: initialization completed in 2474 ms
2022-10-06 10:15:00.833  INFO 5174 --- [           main] o.s.b.w.embedded.tomcat.TomcatWebServer  : Tomcat started on po
rt(s): 8080 (http) with context path ''
2022-10-06 10:15:00.861  INFO 5174 --- [           main] com.example.demo.AmazonEc2Application    : Started AmazonEc2App
lication in 5.168 seconds (JVM running for 6.151)
2022-10-06 10:17:06.443  INFO 5174 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/]       : Initializing Spring
DispatcherServlet 'dispatcherServlet'
```

Installing the maven in ec2 instance to run the springboot app.



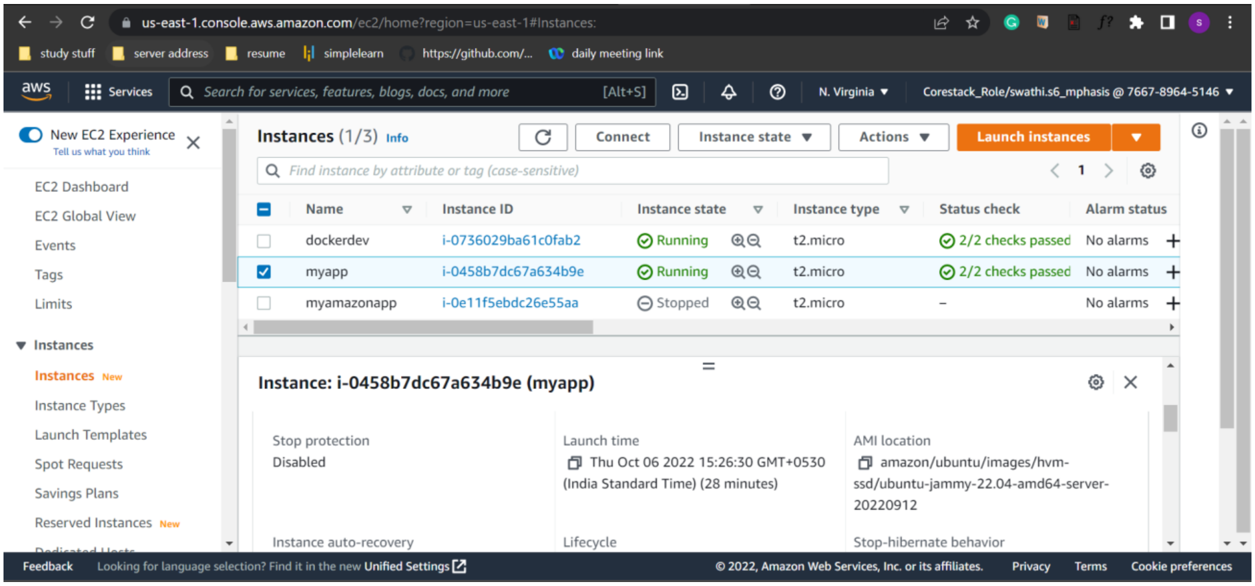
```
Running kernel seems to be up-to-date.

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-172-31-89-208:~$ java -version
openjdk version "1.8.0_342"
OpenJDK Runtime Environment (build 1.8.0_342-8u342-b07-0ubuntu1~22.04-b07)
OpenJDK 64-Bit Server VM (build 25.342-b07, mixed mode)
ubuntu@ip-172-31-89-208:~$ sudo apt-get install maven
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libaopalliance-java libapache-pom-java libatinject-jsr330-api-java libcdi-api-java libcommons-cli-java
  libcommons-io-java libcommons-lang3-java libcommons-parent-java libgeronimo-annotation-1.3-spec-java
  libgeronimo-interceptor-3.0-spec-java libguava-java libguice-java libhawtjni-runtime-java libjansi-java
  libjansi-native-java libjsr305-java libmaven-parent-java libmaven-resolver-java libmaven-shared-utils-java
  libmaven3-core-java libplexus-cipher-java libplexus-classworlds-java libplexus-component-annotations-java
  libplexus-interpolation-java libplexus-sec-dispatcher-java libplexus-utils2-java libsisu-inject-java
  libsisu-plexus-java libslf4j-java libwagon-file-java libwagon-http-shaded-java libwagon-provider-api-java
```

Add the jar file of the springboot app and pem file of ec2 instance to one folder and redirect to that folder and give the ssh cmd under the (select ec2 instance then > connect> goto ssh client tab> copy the content under Exapmle: --) “ec2-18-212-175-111.compute-1.amazonaws.com”



```
   For more information: https://mobaxterm.mobatek.net/download.html

 06/10/2022  15:30.10  /home/mobaxterm  cd c:

 06/10/2022  15:33.42  /drives/c  cd amazn

 06/10/2022  15:33.48  /drives/c/amazn  ssh -i "myapp.pem" ubuntu@ec2-18-212-175-111.compute-1.amazonaws.com
Warning: Permanently added 'ec2-18-212-175-111.compute-1.amazonaws.com' (ECDSA) to the list of known hosts.
Welcome to Ubuntu 22.04.1 LTS (GNU/Linux 5.15.0-1019-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

  System information as of Thu Oct  6 10:05:00 UTC 2022

  System load:  0.0               Processes:             99
  Usage of /:   15.6% of 9.51GB   Users logged in:       0
  Memory usage: 20%               IPv4 address for eth0: 172.31.89.208
  Swap usage:   0%

0 updates can be applied immediately.
```

Output of amazon myapp details



☐	Name	Instance ID	Instance state	Instance type	Status check	Alarm status
☐	dockerdev	i-0736029ba61c0fab2	✓ Running	t2.micro	✓ 2/2 checks passed	No alarms
☑	myapp	i-0458b7dc67a634b9e	✓ Running	t2.micro	✓ 2/2 checks passed	No alarms
☐	myamazonapp	i-0e11f5ebdc26e55aa	⊖ Stopped	t2.micro	–	No alarms

Instance: i-0458b7dc67a634b9e (myapp)

Stop protection
Disabled

Launch time
Thu Oct 06 2022 15:26:30 GMT+0530 (India Standard Time) (28 minutes)

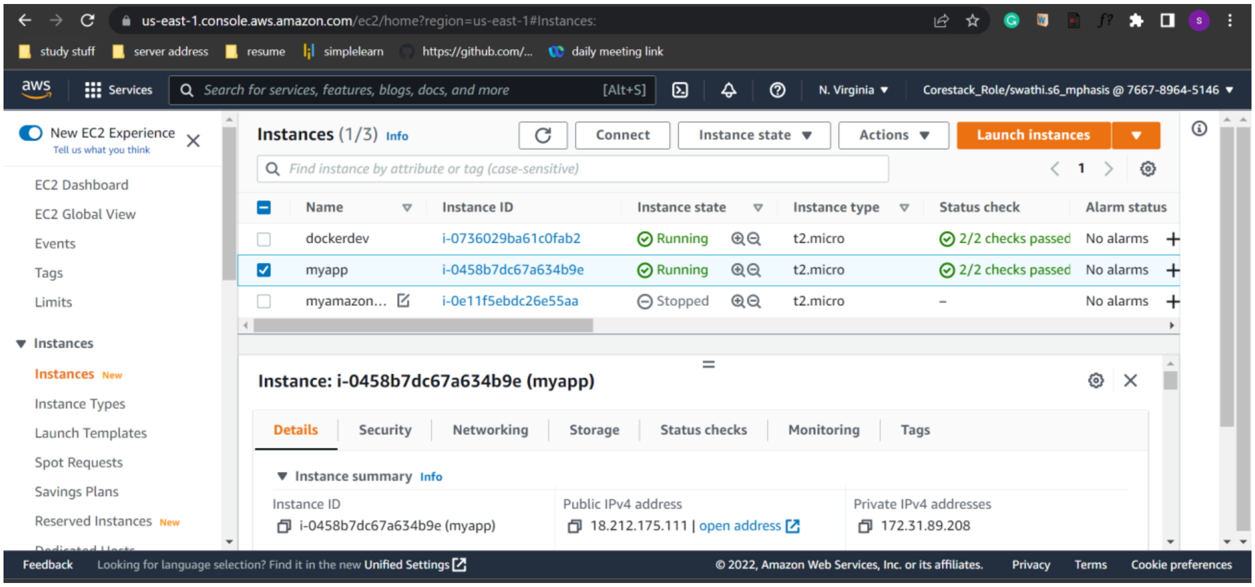
AMI location
amazon/ubuntu/images/hvm-ssd/ubuntu-jammy-22.04-amd64-server-20220912

Instance auto-recovery

Lifecycle

Stop-hibernate behavior

Amazon myapp instance details



us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

Instances (1/3) Info

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status
□	dockerdev	i-0736029ba61c0fab2	Running	t2.micro	2/2 checks passed	No alarms
☑	myapp	i-0458b7dc67a634b9e	Running	t2.micro	2/2 checks passed	No alarms
□	myamazon…	i-0e11f5ebdc26e55aa	Stopped	t2.micro	–	No alarms

Instance: i-0458b7dc67a634b9e (myapp)

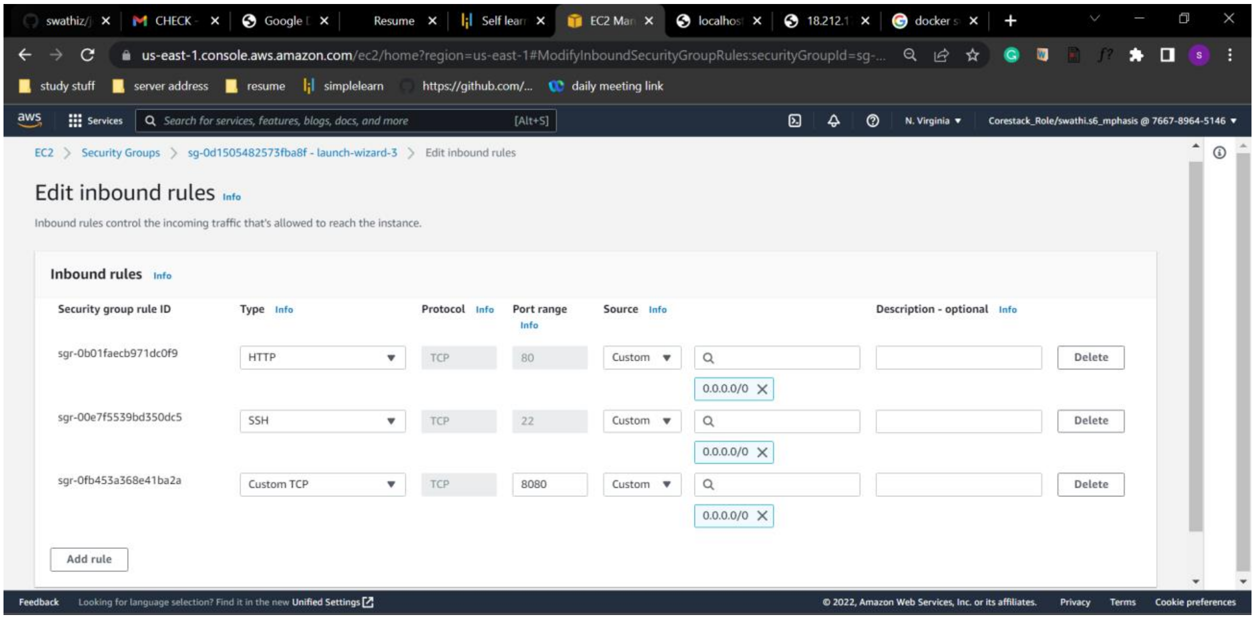
Instance summary Info

Instance ID: i-0458b7dc67a634b9e (myapp)

Public IPv4 address: 18.212.175.111 | open address

Private IPv4 addresses: 172.31.89.208

Amazon myapp ec2 instance security group inbound rules details



us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#ModifyInboundSecurityGroupRules:securityGroupId=sg-...

EC2 > Security Groups > sg-0d1505482573fba8f - launch-wizard-3 > Edit inbound rules

Edit inbound rules Info

Inbound rules control the incoming traffic that's allowed to reach the instance.

Inbound rules Info

Security group rule ID	Type	Protocol	Port range	Source		Description - optional
sgr-0b01faecb971dc0f9	HTTP	TCP	80	Custom	0.0.0.0/0	
sgr-00e7f5539bd350dc5	SSH	TCP	22	Custom	0.0.0.0/0	
sgr-0fb453a368e41ba2a	Custom TCP	TCP	8080	Custom	0.0.0.0/0	