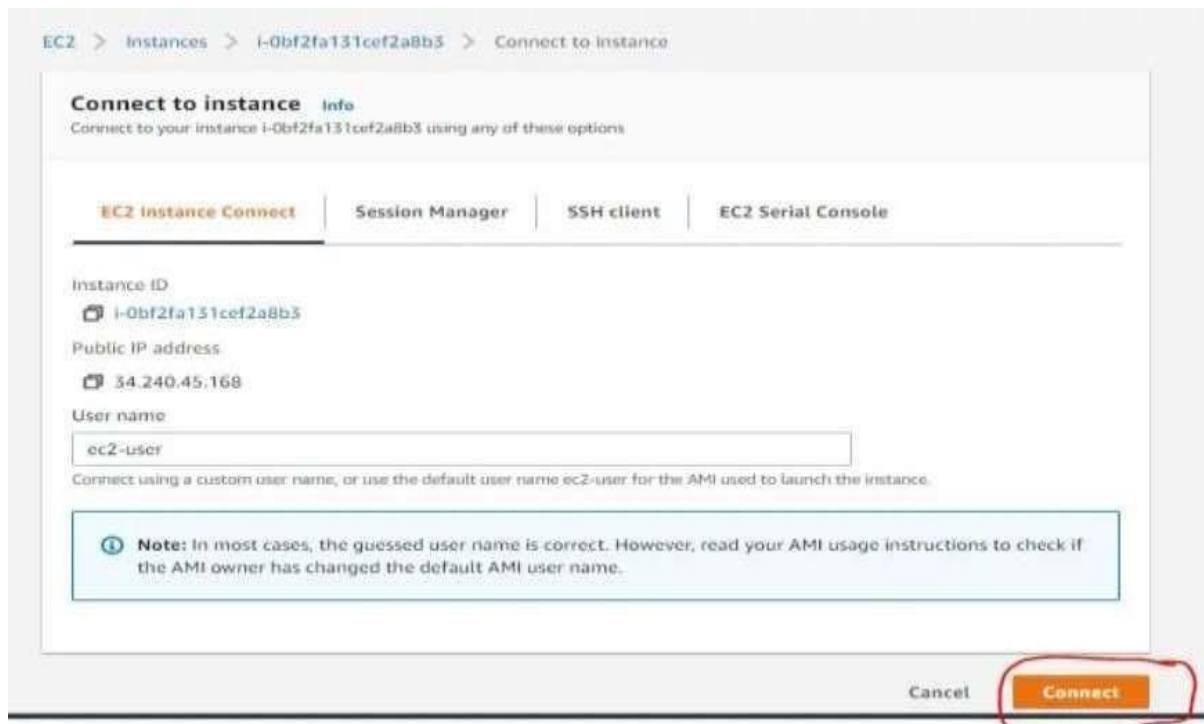
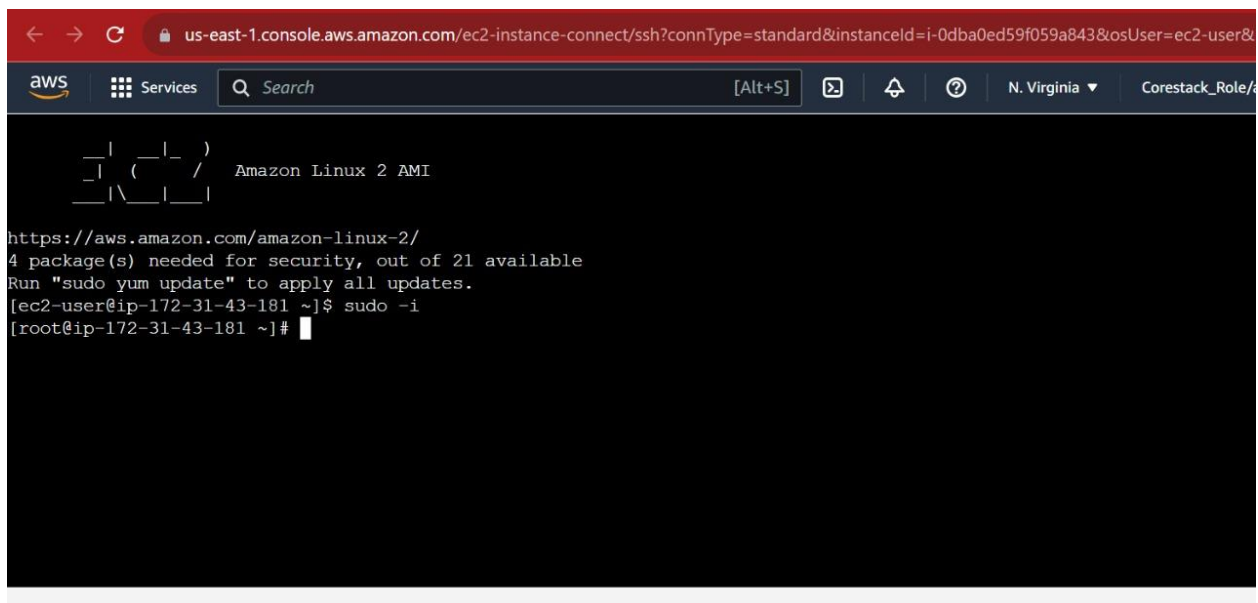


OUTPUT FOR DEPLOYING AN APPLICATION INTO CLOUD.

1. Verify If the username is correct for your type of instance and click connect.



In a matter of seconds, you are connected to your Instance.



1. SSH into your instance from your Local machine

If you have Linux system, you can use the below command to SSH into your instance.

```
ssh -i path/to/DemoKeyPair.pem ec2-user@ec2-12-34-567-890.compute-1.amazonaws.com
```

In the case of Windows, you can use putty to SSH into your instance.

Install Java 1.8

We are connected to our EC2 instance so Let's start with checking the current version of Java.

Java-version

```
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0dba0ed59f059a843&osUser=ec2-user&region=us-east-1

aws Services Search [Alt+S] N. Virginia Corestack_Role/apireddy.bindu_mphasis @ 0751-7756-5242

https://aws.amazon.com/amazon-linux-2/
4 package(s) needed for security, out of 21 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-43-181 ~]$ sudo -i
[root@ip-172-31-43-181 ~]# yum install java-1.8.0-openjdk
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 3.7 kB 00:00:00
Resolving Dependencies
--> Running transaction check
--> Package java-1.8.0-openjdk.x86_64 1:1.8.0.382.b05-1.amzn2.0.1 will be installed
--> Processing Dependency: java-1.8.0-openjdk-headless(x86-64) = 1:1.8.0.382.b05-1.amzn2.0.1 for package: 1:java-1.8.0-openjdk-1.8.0.382.b05-1.amzn2.0.1.x86_64
--> Processing Dependency: xorg-x11-fonts-Type1 for package: 1:java-1.8.0-openjdk-1.8.0.382.b05-1.amzn2.0.1.x86_64
--> Processing Dependency: libjvm.so(SUNWprivate_1.1) (64bit) for package: 1:java-1.8.0-openjdk-1.8.0.382.b05-1.amzn2.0.1.x86_64
--> Processing Dependency: libjava.so(SUNWprivate_1.1) (64bit) for package: 1:java-1.8.0-openjdk-1.8.0.382.b05-1.amzn2.0.1.x86_64
--> Processing Dependency: libasound.so.2(ALSA_0.9.0rc4) (64bit) for package: 1:java-1.8.0-openjdk-1.8.0.382.b05-1.amzn2.0.1.x86_64
--> Processing Dependency: libasound.so.2(ALSA_0.9) (64bit) for package: 1:java-1.8.0-openjdk-1.8.0.382.b05-1.amzn2.0.1.x86_64
--> Processing Dependency: libXcomposite(x86-64) for package: 1:java-1.8.0-openjdk-1.8.0.382.b05-1.amzn2.0.1.x86_64
--> Processing Dependency: gtk2(x86-64) for package: 1:java-1.8.0-openjdk-1.8.0.382.b05-1.amzn2.0.1.x86_64
--> Processing Dependency: fontconfig(x86-64) for package: 1:java-1.8.0-openjdk-1.8.0.382.b05-1.amzn2.0.1.x86_64
```

```
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0dba0ed59f059a843&osUser=ec2-user&region=us-east-1

aws Services Search [Alt+S] N. Virginia Corestack_Role/apireddy.bindu_mphasis @ 0751-7756-5242

https://aws.amazon.com/amazon-linux-2/
4 package(s) needed for security, out of 21 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-43-181 ~]$ sudo -i
[root@ip-172-31-43-181 ~]# yum install java-1.8.0-openjdk
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 3.7 kB 00:00:00
Resolving Dependencies
--> Running transaction check
--> Package java-1.8.0-openjdk.x86_64 1:1.8.0.382.b05-1.amzn2.0.1 will be installed
--> Processing Dependency: java-1.8.0-openjdk-headless(x86-64) = 1:1.8.0.382.b05-1.amzn2.0.1 for package: 1:java-1.8.0-openjdk-1.8.0.382.b05-1.amzn2.0.1.x86_64
--> Processing Dependency: xorg-x11-fonts-Type1 for package: 1:java-1.8.0-openjdk-1.8.0.382.b05-1.amzn2.0.1.x86_64
--> Processing Dependency: libjvm.so(SUNWprivate_1.1) (64bit) for package: 1:java-1.8.0-openjdk-1.8.0.382.b05-1.amzn2.0.1.x86_64
--> Processing Dependency: libjava.so(SUNWprivate_1.1) (64bit) for package: 1:java-1.8.0-openjdk-1.8.0.382.b05-1.amzn2.0.1.x86_64
--> Processing Dependency: libasound.so.2(ALSA_0.9.0rc4) (64bit) for package: 1:java-1.8.0-openjdk-1.8.0.382.b05-1.amzn2.0.1.x86_64
--> Processing Dependency: libasound.so.2(ALSA_0.9) (64bit) for package: 1:java-1.8.0-openjdk-1.8.0.382.b05-1.amzn2.0.1.x86_64
--> Processing Dependency: libXcomposite(x86-64) for package: 1:java-1.8.0-openjdk-1.8.0.382.b05-1.amzn2.0.1.x86_64
--> Processing Dependency: gtk2(x86-64) for package: 1:java-1.8.0-openjdk-1.8.0.382.b05-1.amzn2.0.1.x86_64
--> Processing Dependency: fontconfig(x86-64) for package: 1:java-1.8.0-openjdk-1.8.0.382.b05-1.amzn2.0.1.x86_64
```

```
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0dba0ed59f059a843&osUser=ec2-user&region=us-east-1
aws Services Search [Alt+S] N. Virginia Corestack_Role/appireddy.bindu_mphasis @ 0751-7756-5242

--> Package fontconfig.x86_64 0:2.13.0-4.3.amzn2 will be installed
--> Processing Dependency: fontpackages-filesystem for package: fontconfig-2.13.0-4.3.amzn2.x86_64
--> Processing Dependency: dejavu-sans-fonts for package: fontconfig-2.13.0-4.3.amzn2.x86_64
--> Package giflib.x86_64 0:4.1.6-9.amzn2.0.2 will be installed
--> Processing Dependency: libSM.so.6()(64bit) for package: giflib-4.1.6-9.amzn2.0.2.x86_64
--> Processing Dependency: libICE.so.6()(64bit) for package: giflib-4.1.6-9.amzn2.0.2.x86_64
--> Package gtk2.x86_64 0:2.24.31-1.amzn2.0.2 will be installed
--> Processing Dependency: pango >= 1.20.0-1 for package: gtk2-2.24.31-1.amzn2.0.2.x86_64
--> Processing Dependency: libXrandr >= 1.2.99.4-2 for package: gtk2-2.24.31-1.amzn2.0.2.x86_64
--> Processing Dependency: atk >= 1.29.4-2 for package: gtk2-2.24.31-1.amzn2.0.2.x86_64
--> Processing Dependency: hicolor-icon-theme for package: gtk2-2.24.31-1.amzn2.0.2.x86_64
--> Processing Dependency: gtk-update-icon-cache for package: gtk2-2.24.31-1.amzn2.0.2.x86_64
--> Processing Dependency: libpangoft2-1.0.so.0()(64bit) for package: gtk2-2.24.31-1.amzn2.0.2.x86_64
--> Processing Dependency: libpangocairo-1.0.so.0()(64bit) for package: gtk2-2.24.31-1.amzn2.0.2.x86_64
--> Processing Dependency: libpango-1.0.so.0()(64bit) for package: gtk2-2.24.31-1.amzn2.0.2.x86_64
--> Processing Dependency: libgdk_pixbuf-2.0.so.0()(64bit) for package: gtk2-2.24.31-1.amzn2.0.2.x86_64
--> Processing Dependency: libcups.so.2()(64bit) for package: gtk2-2.24.31-1.amzn2.0.2.x86_64
--> Processing Dependency: libcairo.so.2()(64bit) for package: gtk2-2.24.31-1.amzn2.0.2.x86_64
--> Processing Dependency: libatk-1.0.so.0()(64bit) for package: gtk2-2.24.31-1.amzn2.0.2.x86_64
--> Processing Dependency: libXrandr.so.2()(64bit) for package: gtk2-2.24.31-1.amzn2.0.2.x86_64
--> Processing Dependency: libXinerama.so.1()(64bit) for package: gtk2-2.24.31-1.amzn2.0.2.x86_64
```

```
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0dba0ed59f059a843&osUser=ec2-user&region=us-east-1
aws Services Search [Alt+S] N. Virginia Corestack_Role/appireddy.bindu_mphasis @ 0751-7756-5242

--> Package atk.x86_64 0:2.22.0-3.amzn2.0.2 will be installed
--> Package cairo.x86_64 0:1.15.12-4.amzn2 will be installed
--> Processing Dependency: libpixman-1.so.0()(64bit) for package: cairo-1.15.12-4.amzn2.x86_64
--> Processing Dependency: libGL.so.1()(64bit) for package: cairo-1.15.12-4.amzn2.x86_64
--> Processing Dependency: libEGL.so.1()(64bit) for package: cairo-1.15.12-4.amzn2.x86_64
--> Package copy-jdk-configs.noarch 0:3.3-10.amzn2 will be installed
--> Package cups-libs.x86_64 1:1.6.3-51.amzn2.0.3 will be installed
--> Processing Dependency: libavahi-common.so.3()(64bit) for package: 1:cups-libs-1.6.3-51.amzn2.0.3.x86_64
--> Processing Dependency: libavahi-client.so.3()(64bit) for package: 1:cups-libs-1.6.3-51.amzn2.0.3.x86_64
--> Package dejavu-sans-fonts.noarch 0:2.33-6.amzn2 will be installed
--> Processing Dependency: dejavu-fonts-common = 2.33-6.amzn2 for package: dejavu-sans-fonts-2.33-6.amzn2.noarch
--> Package fontpackages-filesystem.noarch 0:1.44-8.amzn2 will be installed
--> Package gdk-pixbuf2.x86_64 0:2.36.12-3.amzn2 will be installed
--> Processing Dependency: libjasper.so.1()(64bit) for package: gdk-pixbuf2-2.36.12-3.amzn2.x86_64
--> Package gtk-update-icon-cache.x86_64 0:3.22.30-3.amzn2 will be installed
--> Package hicolor-icon-theme.noarch 0:0.12-7.amzn2 will be installed
--> Package javapackages-tools.noarch 0:3.4.1-11.amzn2 will be installed
--> Processing Dependency: python-javapackages = 3.4.1-11.amzn2 for package: javapackages-tools-3.4.1-11.amzn2.noarch
--> Processing Dependency: libxslt for package: javapackages-tools-3.4.1-11.amzn2.noarch
--> Package libICE.x86_64 0:1.0.9-9.amzn2.0.2 will be installed
--> Package libSM.x86_64 0:1.2.2-2.amzn2.0.2 will be installed
```

Dependencies Resolved				
Package	Arch	Version	Repository	Size
Installing:				
java-1.8.0-openjdk	x86_64	1:1.8.0.382.b05-1.amzn2.0.1	amzn2-core	314 k
Installing for dependencies:				
alsa-lib	x86_64	1.1.4.1-2.amzn2	amzn2-core	425 k
atk	x86_64	2.22.0-3.amzn2.0.2	amzn2-core	258 k
avahi-libs	x86_64	0.6.31-20.amzn2.0.2	amzn2-core	61 k
cairo	x86_64	1.15.12-4.amzn2	amzn2-core	732 k
copy-jdk-configs	noarch	3.3-10.amzn2	amzn2-core	21 k
cups-libs	x86_64	1:1.6.3-51.amzn2.0.3	amzn2-core	356 k
dejavu-fonts-common	noarch	2.33-6.amzn2	amzn2-core	64 k
dejavu-sans-fonts	noarch	2.33-6.amzn2	amzn2-core	1.4 M
fontconfig	x86_64	2.13.0-4.3.amzn2	amzn2-core	253 k
fontpackages-filesystem	noarch	1.44-8.amzn2	amzn2-core	10 k
fribidi	x86_64	1.0.2-1.amzn2.1.2	amzn2-core	80 k
gdk-pixbuf2	x86_64	2.36.12-3.amzn2	amzn2-core	568 k


```
Transaction Summary
-----
Install 1 Package (+63 Dependent packages)

Total download size: 47 M
Installed size: 155 M
Is this ok [y/d/N]: y
Downloading packages:
(1/64): alsa-lib-1.1.4.1-2.amzn2.x86_64.rpm | 425 kB 00:00:00
(2/64): atk-2.22.0-3.amzn2.0.2.x86_64.rpm | 258 kB 00:00:00
(3/64): avahi-libs-0.6.31-20.amzn2.0.2.x86_64.rpm | 61 kB 00:00:00
(4/64): copy-jdk-configs-3.3-10.amzn2.noarch.rpm | 21 kB 00:00:00
(5/64): cairo-1.15.12-4.amzn2.x86_64.rpm | 732 kB 00:00:00
(6/64): cups-libs-1.6.3-51.amzn2.0.3.x86_64.rpm | 356 kB 00:00:00
(7/64): dejavu-fonts-common-2.33-6.amzn2.noarch.rpm | 64 kB 00:00:00
(8/64): dejavu-sans-fonts-2.33-6.amzn2.noarch.rpm | 1.4 MB 00:00:00
(9/64): fontconfig-2.13.0-4.3.amzn2.x86_64.rpm | 253 kB 00:00:00
(10/64): fontpackages-filesystem-1.44-8.amzn2.noarch.rpm | 10 kB 00:00:00
(11/64): freibidi-1.0.2-1.amzn2.1.2.x86_64.rpm | 80 kB 00:00:00
(12/64): gdk-pixbuf2-2.36.12-3.amzn2.x86_64.rpm | 568 kB 00:00:00
```

```
(63/64): xorg-x11-font-utils-7.5-21.amzn2.x86_64.rpm | 103 kB 00:00:00
(64/64): xorg-x11-fonts-Type1-7.5-9.amzn2.noarch.rpm | 521 kB 00:00:00
-----
Total | 45 MB/s | 47 MB 00:00:01
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Installing : mesa-libglapi-18.3.4-5.amzn2.0.1.x86_64 1/64
Installing : libICE-1.0.9-9.amzn2.0.2.x86_64 2/64
Installing : libxslt-1.1.28-6.amzn2.x86_64 3/64
Installing : libwayland-server-1.17.0-1.amzn2.0.1.x86_64 4/64
Installing : fontpackages-filesystem-1.44-8.amzn2.noarch 5/64
Installing : 1:libglvnd-1.0.1-0.1.git5baale5.amzn2.0.1.x86_64 6/64
Installing : libxshmfence-1.2-1.amzn2.0.2.x86_64 7/64
Installing : dejavu-fonts-common-2.33-6.amzn2.noarch 8/64
Installing : dejavu-sans-fonts-2.33-6.amzn2.noarch 9/64
Installing : fontconfig-2.13.0-4.3.amzn2.x86_64 10/64
Installing : mesa-libgbm-18.3.4-5.amzn2.0.1.x86_64 11/64
Installing : python-lxml-3.2.1-4.amzn2.0.4.x86_64 12/64
Installing : python-javapackages-3.4.1-11.amzn2.noarch 13/64
```

```
Created symlink from /etc/systemd/system/multi-user.target.wants/log4j-cve-2021-44228-hotpatch.service to /usr/lib/systemd/system/log4j-cve-2021-44228-hotpatch.service.
Installing : 1:java-1.8.0-openjdk-headless-1.8.0.382.b05-1.amzn2.0.1.x86_64 53/64
Installing : pixman-0.34.0-1.amzn2.0.2.x86_64 54/64
Installing : jasper-libs-1.900.1-33.amzn2.0.1.x86_64 55/64
Installing : gdk-pixbuf2-2.36.12-3.amzn2.x86_64 56/64
Installing : gtk-update-icon-cache-3.22.30-3.amzn2.x86_64 57/64
Installing : libwayland-client-1.17.0-1.amzn2.0.1.x86_64 58/64
Installing : 1:libglvnd-egl-1.0.1-0.1.git5baale5.amzn2.0.1.x86_64 59/64
Installing : mesa-libEGL-18.3.4-5.amzn2.0.1.x86_64 60/64
Installing : cairo-1.15.12-4.amzn2.x86_64 61/64
Installing : pango-1.42.4-4.amzn2.x86_64 62/64
Installing : gtk2-2.24.31-1.amzn2.0.2.x86_64 63/64
Installing : 1:java-1.8.0-openjdk-1.8.0.382.b05-1.amzn2.0.1.x86_64 64/64
Verifying : libSM-1.2.2-2.amzn2.0.2.x86_64 1/64
Verifying : libwayland-client-1.17.0-1.amzn2.0.1.x86_64 2/64
Verifying : 1:java-1.8.0-openjdk-headless-1.8.0.382.b05-1.amzn2.0.1.x86_64 3/64
Verifying : libxshmfence-1.2-1.amzn2.0.2.x86_64 4/64
Verifying : 1:xorg-x11-font-utils-7.5-21.amzn2.x86_64 5/64
Verifying : 1:libglvnd-1.0.1-0.1.git5baale5.amzn2.0.1.x86_64 6/64
Verifying : 1:libglvnd-egl-1.0.1-0.1.git5baale5.amzn2.0.1.x86_64 7/64
```

```
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0dba0ed59f059a843&osUser=ec2-user&region=us-east-1

AWS Services Search [Alt+S] N. Virginia Corestack_Role/appireddy.bindu_mphasis @ 0751-7756-5242

Installed:
  java-1.8.0-openjdk.x86_64 1:1.8.0.382.b05-1.amzn2.0.1

Dependency Installed:
  alsa-lib.x86_64 0:1.1.4-1.amzn2
  avahi-libs.x86_64 0:0.6.31-20.amzn2.0.2
  copy-jdk-configs.noarch 0:3.3-10.amzn2
  dejavu-fonts-common.noarch 0:2.33-6.amzn2
  fontconfig.x86_64 0:2.13.0-4.3.amzn2
  freibidi.x86_64 0:1.0.2-1.amzn2.1.2
  giflib.x86_64 0:4.1.6-9.amzn2.0.2
  gtk-update-icon-cache.x86_64 0:3.22.30-3.amzn2
  harfbuzz.x86_64 0:1.7.5-2.amzn2
  jasper-libs.x86_64 0:1.900.1-33.amzn2.0.1
  javapackages-tools.noarch 0:3.4.1-11.amzn2
  libSM.x86_64 0:1.2.2-2.amzn2.0.2
  libX11-common.noarch 0:1.6.7-3.amzn2.0.3
  libXcomposite.x86_64 0:0.4.4-1.amzn2.0.2
  libXdamage.x86_64 0:1.1.4-4.1.amzn2.0.2
  libXfixes.x86_64 0:5.0.3-1.amzn2.0.2
  atk.x86_64 0:2.22.0-3.amzn2.0.2
  cairo.x86_64 0:1.15.12-4.amzn2
  cups-libs.x86_64 1:1.6.3-51.amzn2.0.3
  dejavu-sans-fonts.noarch 0:2.33-6.amzn2
  fontpackages-filesystem.noarch 0:1.44-8.amzn2
  gdk-pixbuf2.x86_64 0:2.36.12-3.amzn2
  graphite2.x86_64 0:1.3.10-1.amzn2.0.2
  gtk2.x86_64 0:2.24.31-1.amzn2.0.2
  hicolor-icon-theme.noarch 0:0.12-7.amzn2
  java-1.8.0-openjdk-headless.x86_64 1:1.8.0.382.b05-1.amzn2.0.1
  libICE.x86_64 0:1.0.9-9.amzn2.0.2
  libX11.x86_64 0:1.6.7-3.amzn2.0.3
  libXau.x86_64 0:1.0.8-2.1.amzn2.0.2
  libXcursor.x86_64 0:1.1.15-1.amzn2
  libXext.x86_64 0:1.3.3-3.amzn2.0.2
  libXft.x86_64 0:2.3.2-2.amzn2.0.2
```

```
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0dba0ed59f059a843&osUser=ec2-user&region=us-east-1

AWS Services Search [Alt+S] N. Virginia Corestack_Role/appireddy.bindu_mphasis @ 0751-7756-5242

libXdamage.x86_64 0:1.1.4-4.1.amzn2.0.2
libXfixes.x86_64 0:5.0.3-1.amzn2.0.2
libXi.x86_64 0:1.7.9-1.amzn2.0.2
libXrandr.x86_64 0:1.5.1-2.amzn2.0.3
libXtst.x86_64 0:1.2.3-1.amzn2.0.2
libfontenc.x86_64 0:1.1.3-3.amzn2.0.2
libglvnd-egl.x86_64 1:1.0.1-0.1.git5baale5.amzn2.0.1
libthai.x86_64 0:0.1.14-9.amzn2.0.2
libwayland-server.x86_64 0:1.17.0-1.amzn2.0.1
libxshmfence.x86_64 0:1.2-1.amzn2.0.2
lksctp-tools.x86_64 0:1.0.17-2.amzn2.0.2
mesa-libGL.x86_64 0:18.3.4-5.amzn2.0.1
mesa-libgbm.x86_64 0:18.3.4-5.amzn2.0.1
pango.x86_64 0:1.42.4-4.amzn2
pixman.x86_64 0:0.34.0-1.amzn2.0.2
python-lxml.x86_64 0:3.2.1-4.amzn2.0.4
tzdata-java.noarch 0:2023c-1.amzn2.0.1
xorg-x11-fonts-Type1.noarch 0:7.5-9.amzn2
libXext.x86_64 0:1.3.3-3.amzn2.0.2
libXft.x86_64 0:2.3.2-2.amzn2.0.2
libXinerama.x86_64 0:1.1.3-2.1.amzn2.0.2
libXrender.x86_64 0:0.9.10-1.amzn2.0.2
libXxf86vm.x86_64 0:1.1.4-1.amzn2.0.2
libglvnd.x86_64 1:1.0.1-0.1.git5baale5.amzn2.0.1
libglvnd-glx.x86_64 1:1.0.1-0.1.git5baale5.amzn2.0.1
libwayland-client.x86_64 0:1.17.0-1.amzn2.0.1
libxcb.x86_64 0:1.12-1.amzn2.0.2
libxslt.x86_64 0:1.1.28-6.amzn2
log4j-cve-2021-44228-hotpatch.noarch 0:1.3-7.amzn2
mesa-libGL.x86_64 0:18.3.4-5.amzn2.0.1
mesa-libglapi.x86_64 0:18.3.4-5.amzn2.0.1
pcsc-lite-libs.x86_64 0:1.8.8-7.amzn2
python-javapackages.noarch 0:3.4.1-11.amzn2
ttmkfdir.x86_64 0:3.0.9-42.amzn2.0.2
xorg-x11-font-utils.x86_64 1:7.5-21.amzn2

Complete!
[root@ip-172-31-43-181 ~]#
```

As you can see my AMI already came with java 1.8

installed. If it's not installed, you can install it using the

below command. `sudo yum install java-1.8.0`

Java is installed in the EC2 instance and our jar file is present in the home directory of the instance. So let's go ahead and run the jar file using the below command. `java -jar demo-0.0.1-SNAPSHOT.jar`

```
https://us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-09455d6db3431bb5a&os...
aws Services Search [Alt+S] N. Virginia Corestack_Role/yanamala.priyanka_mphasis @ 4516-1603-8009

[root@ip-172-31-42-217 ~]# ls
springnodb-0.0.1-SNAPSHOT.war
[root@ip-172-31-42-217 ~]# java -jar springnodb-0.0.1-SNAPSHOT.war

:: Spring Boot ::
(v2.7.15)

2023-09-06 10:16:10.629 INFO 14462 --- [main] com.example.demo.SpringnodbApplication : Starting SpringnodbApplication v0.0.1-SNAPSHOT
HOT using Java 1.8.0_382 on ip-172-31-42-217.ec2.internal with PID 14462 (/root/springnodb-0.0.1-SNAPSHOT.war started by root in /root)
2023-09-06 10:16:10.640 INFO 14462 --- [main] com.example.demo.SpringnodbApplication : No active profile set, falling back to 1 de
fault profile: "default"
2023-09-06 10:16:13.347 INFO 14462 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http
2023-09-06 10:16:13.372 INFO 14462 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2023-09-06 10:16:13.372 INFO 14462 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0
.79]
2023-09-06 10:16:14.186 INFO 14462 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplication
Context
2023-09-06 10:16:14.191 INFO 14462 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization
=====|_/_/_/
:: Spring Boot ::
(v2.7.15)

2023-09-06 10:16:10.629 INFO 14462 --- [main] com.example.demo.SpringnodbApplication : Starting SpringnodbApplication v0.0.1-SNAPS
HOT using Java 1.8.0_382 on ip-172-31-42-217.ec2.internal with PID 14462 (/root/springnodb-0.0.1-SNAPSHOT.war started by root in /root)
2023-09-06 10:16:10.640 INFO 14462 --- [main] com.example.demo.SpringnodbApplication : No active profile set, falling back to 1 de
fault profile: "default"
2023-09-06 10:16:13.347 INFO 14462 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http
2023-09-06 10:16:13.372 INFO 14462 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2023-09-06 10:16:13.372 INFO 14462 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0
.79]
2023-09-06 10:16:14.186 INFO 14462 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplication
Context
2023-09-06 10:16:14.191 INFO 14462 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization
completed in 3417 ms
2023-09-06 10:16:15.594 INFO 14462 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http with
context path ''
2023-09-06 10:16:15.619 INFO 14462 --- [main] com.example.demo.SpringnodbApplication : Started SpringnodbApplication in 6.059 seco
nds (JVM running for 7.081)
2023-09-06 10:45:25.704 INFO 14462 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'disp
atcherServlet'
2023-09-06 10:45:25.704 INFO 14462 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
2023-09-06 10:45:25.705 INFO 14462 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 1 ms
```

As you can see, Spring Boot application is running on EC2 instance on Port8080.

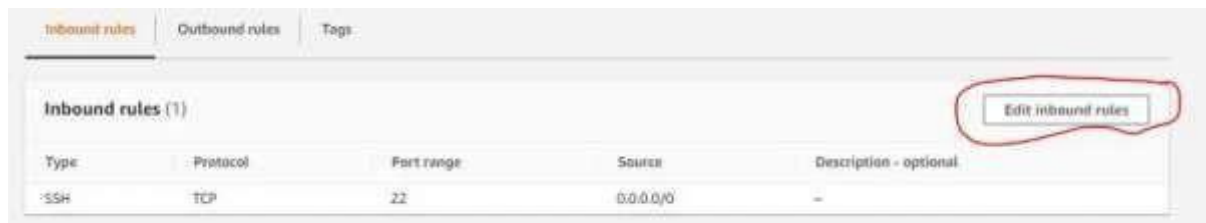
By default, an EC2 instance security group allow only port 22 for SSH access.Let’s go ahead and allow port 8080.

Click on Your Instance.

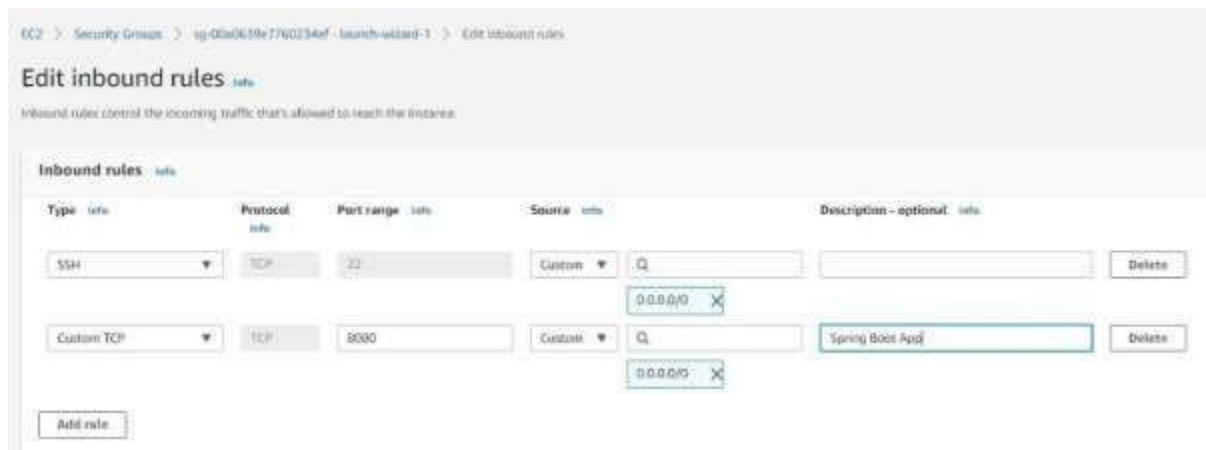
Go to Security -> Click on the instance security group.



Check inbound rules and Edit the Inbound rules as shown in the below screenshot.



Click on Add Rule.



Add a rule for type Custom TCP and the port range will be 8080. We will allow it from everywhere as you can see in the above screenshot.

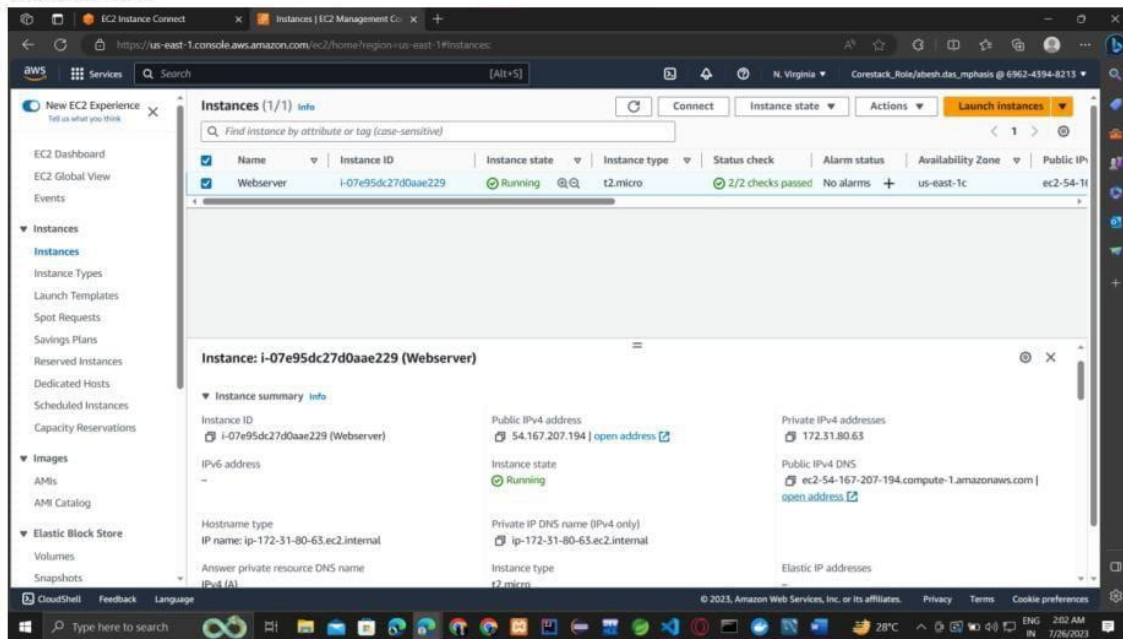
Click Save Rules.

Test Your spring boot endpoint deployed on EC2 Hit
your application endpoint now.



You have successfully deployed your spring boot application to AWS EC2.

1) Instance List



2) Instance Live Link

Link : <http://ec2-54-167-207-194.compute-1.amazonaws.com:8080/>

The screenshot shows a web browser window with the URL <http://ec2-54-167-207-194.compute-1.amazonaws.com:8080/>. The page displays a login form with the following fields and buttons:

- Username:** A text input field.
- Password:** A text input field.
- Login:** A green button.
- Register:** A green button.

The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system tray on the right indicates the temperature is 28°C and the date is 7/26/2023.

The screenshot shows a web browser window with the URL ec2-54-167-207-194.compute-1.amazonaws.com:8080/dashboard. The page displays a dashboard with the following elements:

- Navigation:** Links for "citizen" and "vaccine" are visible.
- User Information:** "Logout" and "Welcome, test" are displayed.
- Table:** A table with 4 columns: ID, Center Name, Center City, and Action.
- Buttons:** "Add New Center" is located in the top right corner.
- Summary:** "Total 2 Centers Found" is displayed below the table.

ID	Center Name	Center City	Action
1	MH Hospital	mhl	View Edit Delete
2	TATA HOSPITAL	mhl	View Edit Delete

The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system tray on the right indicates the temperature is 28°C and the date is 7/26/2023.