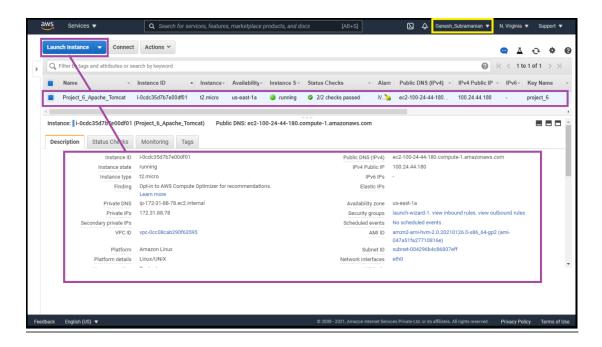
Project 6

Installing and Configuring Apache tomcat server on Linux

⇒ Task 1: EC2 Linux Instance Created



⇒ Task 2: Install java

"yum install java-1.8* "

This command installs Java

⇒ Task 3: Install tomcat

"cd /opt"

"wget https://mirrors.estointernet.in/apache/tomcat/tomcat-8/v8.5.61/bin/apache-tomcat-8.5.61.tar.gz"

wget will help to download the tar file form the location that was provided in the above URL

"tar -zvxf apache-tomcat-8.5.61.tar.gz"

This command will directly unzip and extract the file followed by the file name (apache-tomcat-8.5.61.tar.gz)

o Modify permissions for startup.sh and shutdown.sh

Since we are using Shell command we are considering only .sh files.

"ps -ef | grep tomcat"

This command will check if tomcat process is running

"Is -I | grep .sh"

This command will show only the .sh files

"chmod +x startup.sh" This command will provide the execution permission

"chmod +x shutdown.sh" This command will provide the execution permission

"Find / -name startup.sh"

The above will find the path and the location of the startup.sh

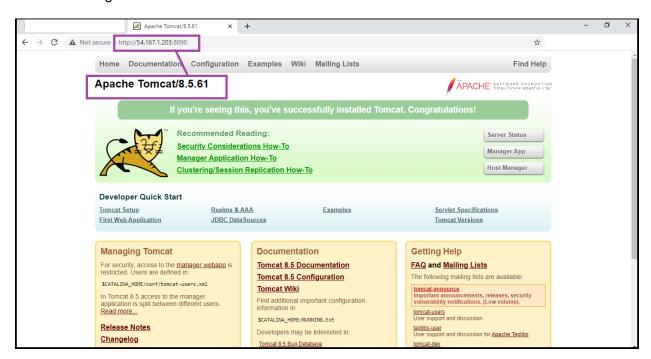
```
| indeption | inde
```

- o Create a Softlink
- "In -s /opt/apache-tomcat-8.5.61/bin/startup.sh /usr/bin/tomcatup"
 The above will create a softlink for tomcatup
- "In -s /opt/apache-tomcat-8.5.61/bin/shutdown.sh /usr/bin/tomcatdown" The above will create a softlink for tomcatdown

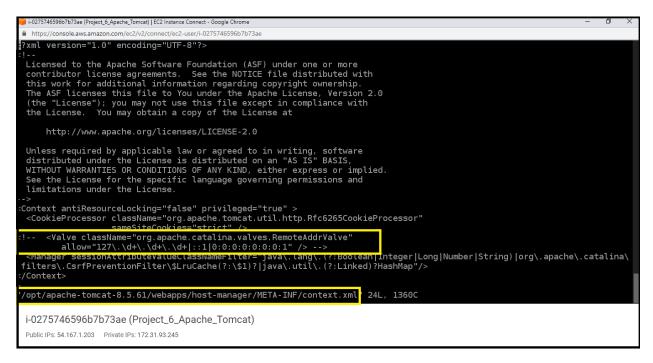
Change the port to 8090 by editing the server.xml by using "vi server.xml"

The above will open the server.xml file in an editor for editing purpose, the vi command will allow the user to make the changes to port 8080 and change it to 8090

o Check configuration in 8090



Edit context.xml to allow manager apps access by using "vi context.xml" and comment
 Value section of the file by inserting
 -- ->



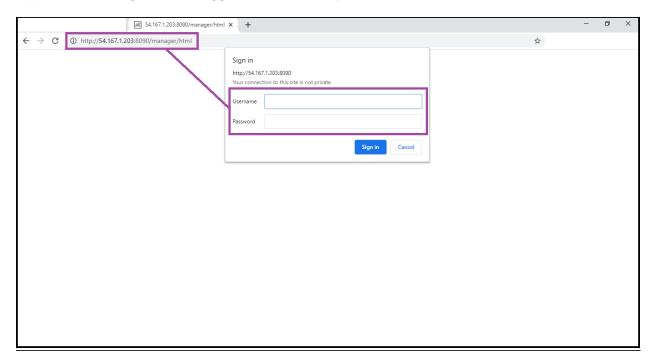
Add users and roles to tomcat-users.xml by editing the tomcat-users.xml file by using
 "vi tomcat-users.xml"

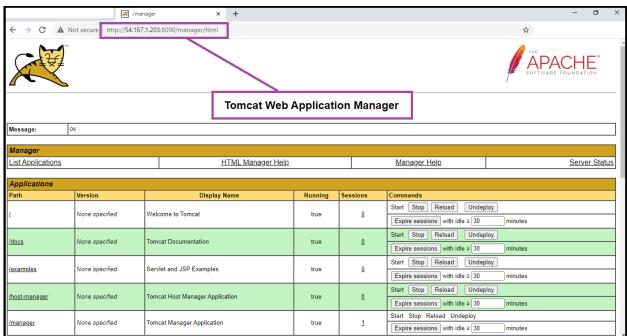
Add the below contents in the above file and save the same to make the changes applicable

```
<role rolename="manager-gui"/>
<role rolename="manager-script"/>
<role rolename="manager-jmx"/>
<role rolename="manager-status"/>
<user username="admin" password="ganesh" roles="manager-gui,manager-script,manager-jmx,manager-status"/>
<user username="deployer" password="ganesh" roles="manager-script"/>
<user username="tomcat" password="ganesh" roles="manager-gui"/>
```

o Give a restart and check for web application manager

The Tomcat web page would prompt for a login credentials. Insert the login details which was inserted in the tomcat-users.xml file (username: - **admin** / Password: - **ganesh**), Using the values inserted in the tomcat-users.xml file and clicking on the sign in button the Tomcat web Application Manager will be logged in Successfully





The above Tomcat web Application Manager page is displayed successfully