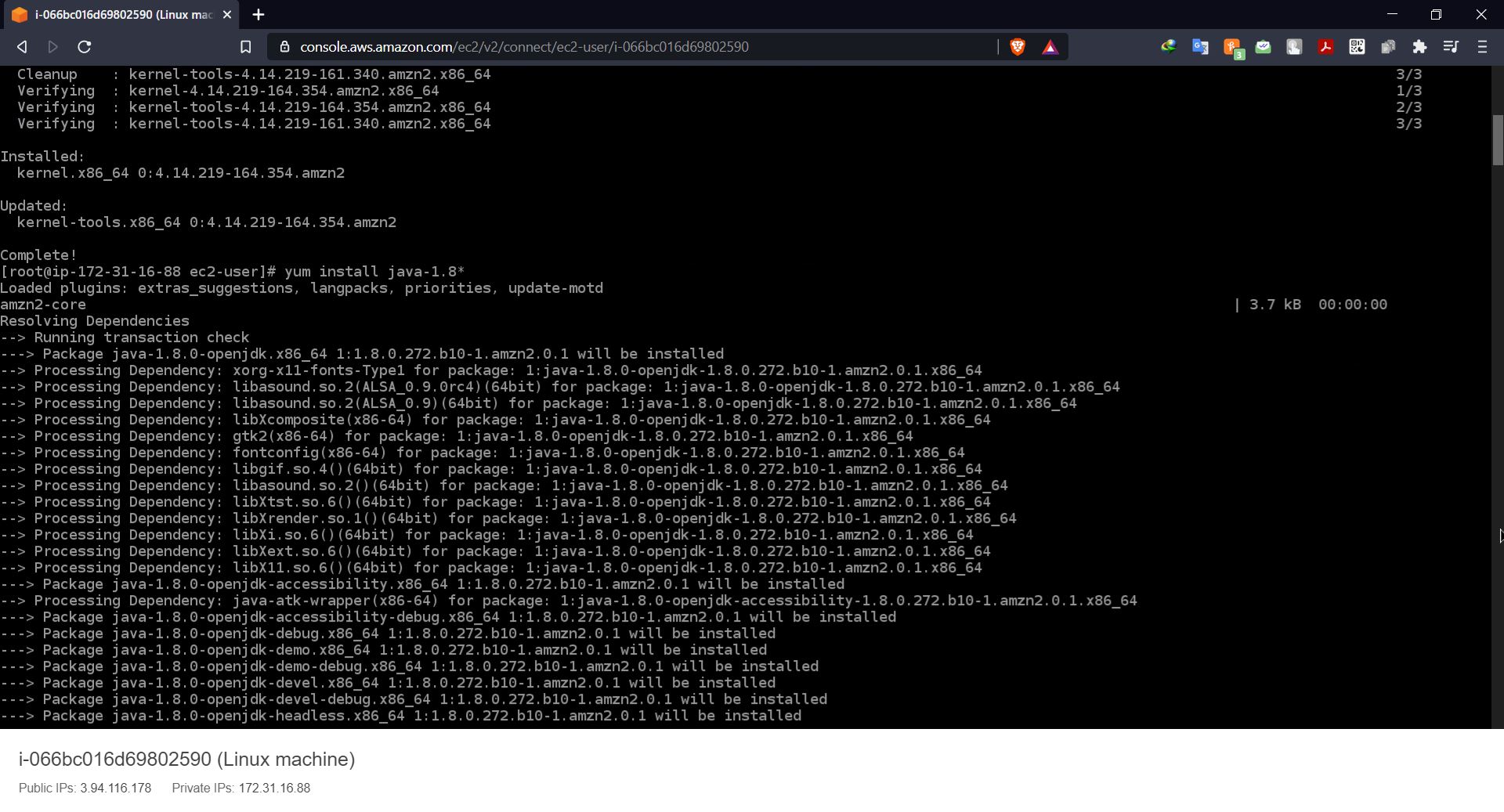
**Project 6**

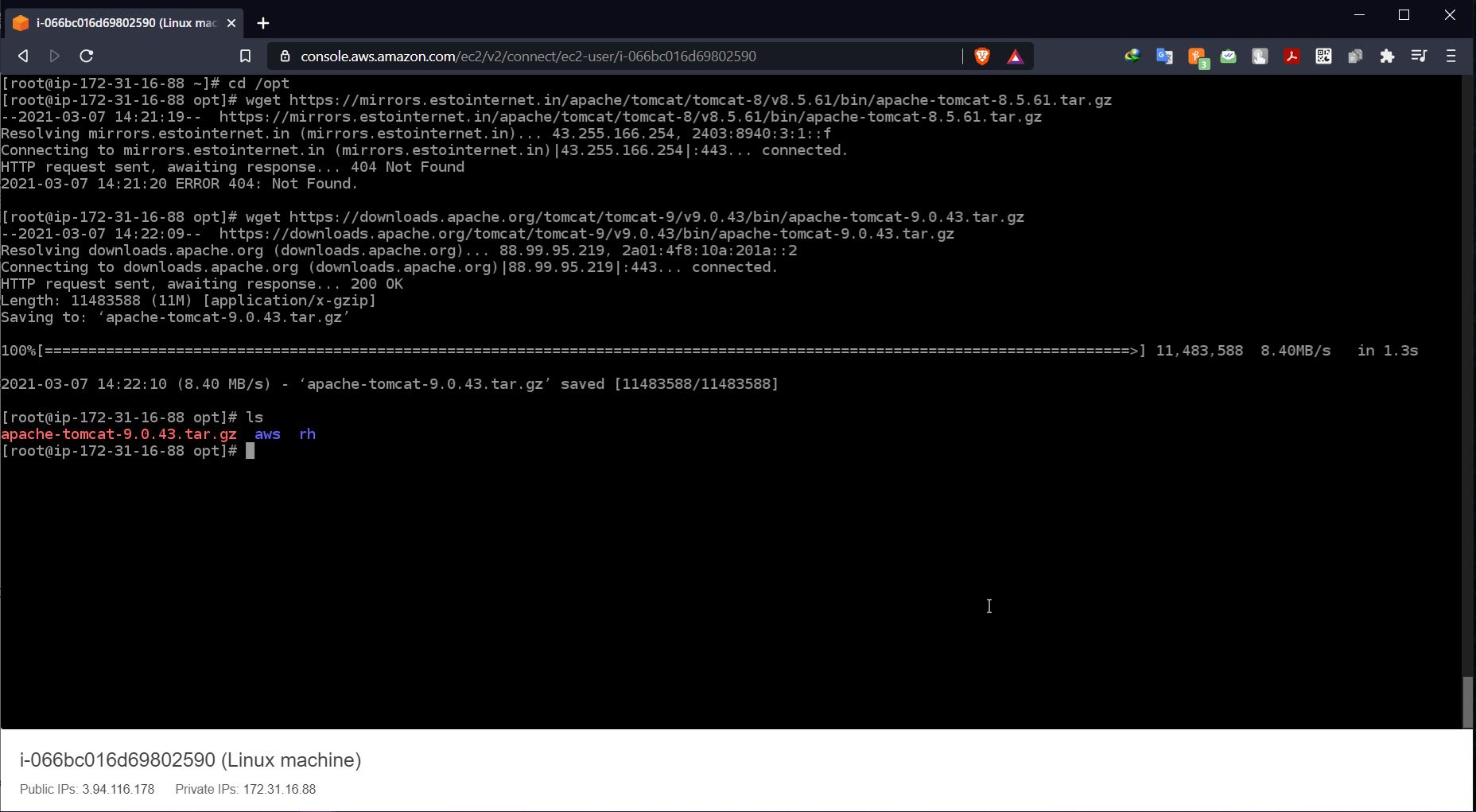
**Project Name:** Installing and Configuring Apache tomcat server on Linux

* Going to super user with command – sudo su
* And then Install java with command - yum install java-1.8\*

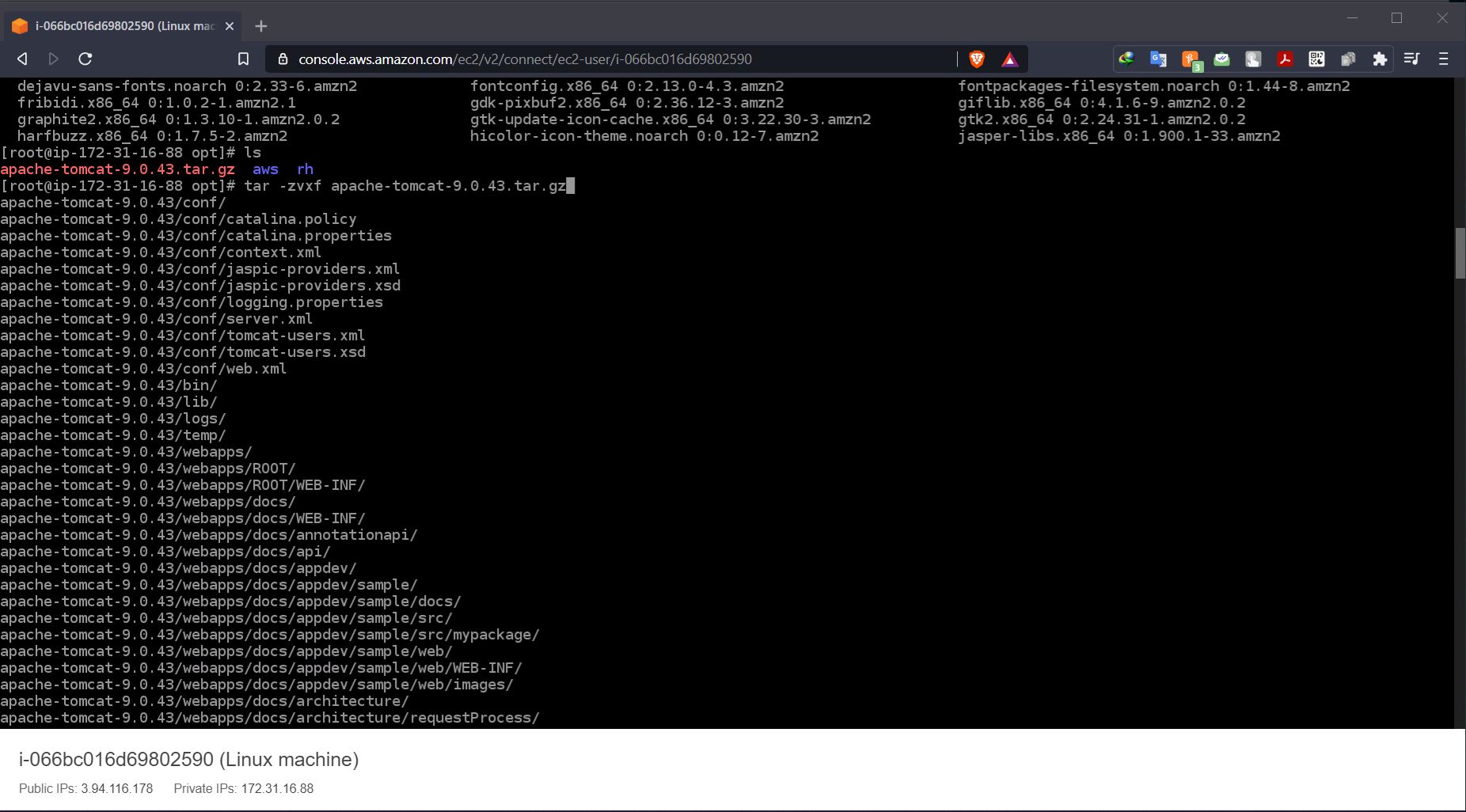


* next go to opt file with command – cd /opt
* and download apache-tomcat with command –

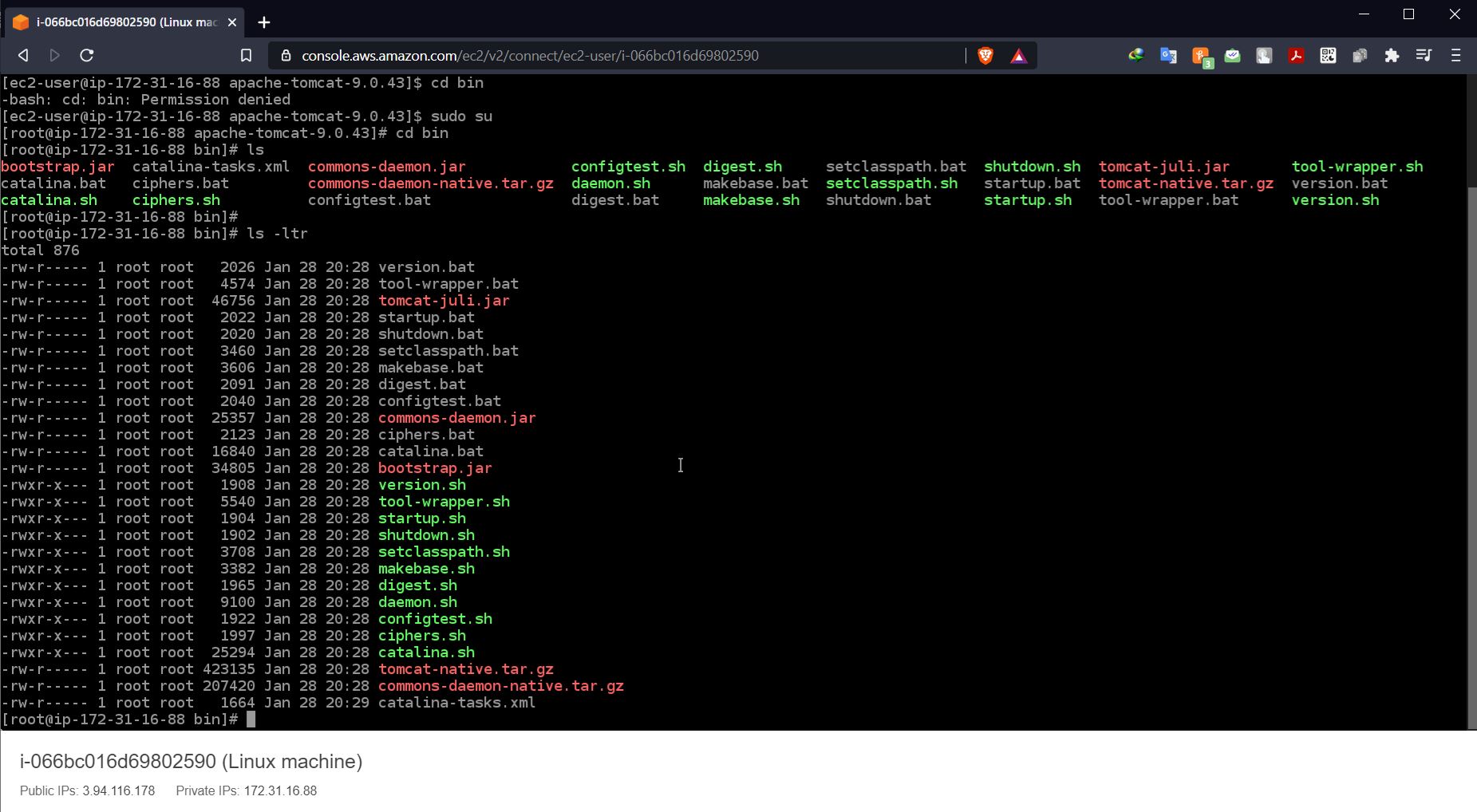
wget https://downloads.apache.org/tomcat/tomcat-9/v9.0.43/bin/apache-tomcat-9.0.43.tar.gz

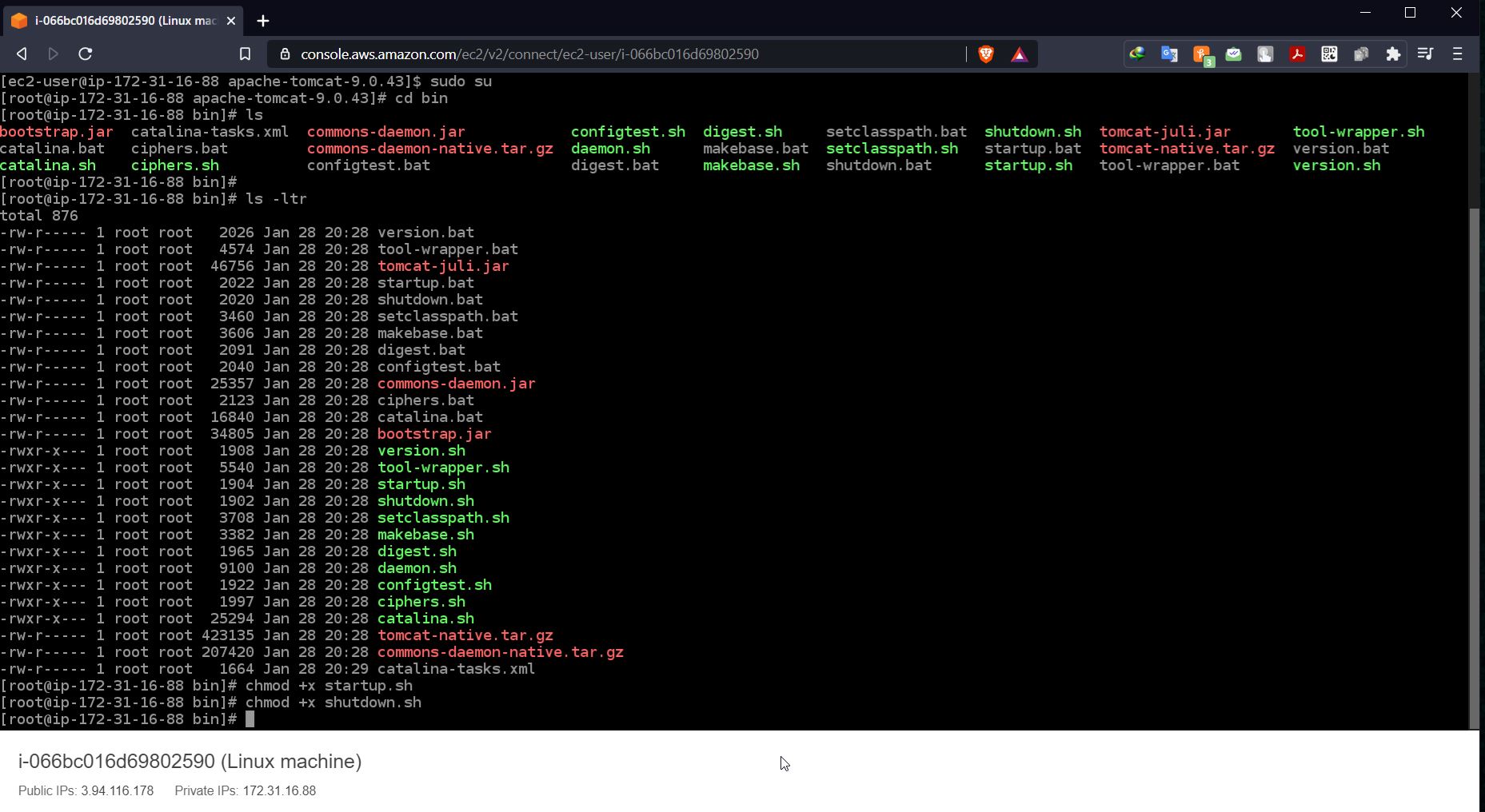


* extract and install the apache-tomcat file with command – tar -zvxf apache-tomcat-9.0.43.tar.gz



* to modify permissions of startup.sh and shutdown.sh first we list the files under /bin file with command – ls -ltr and change the permissions using command – chmod +x startup.sh & chmod +x shutdown.sh



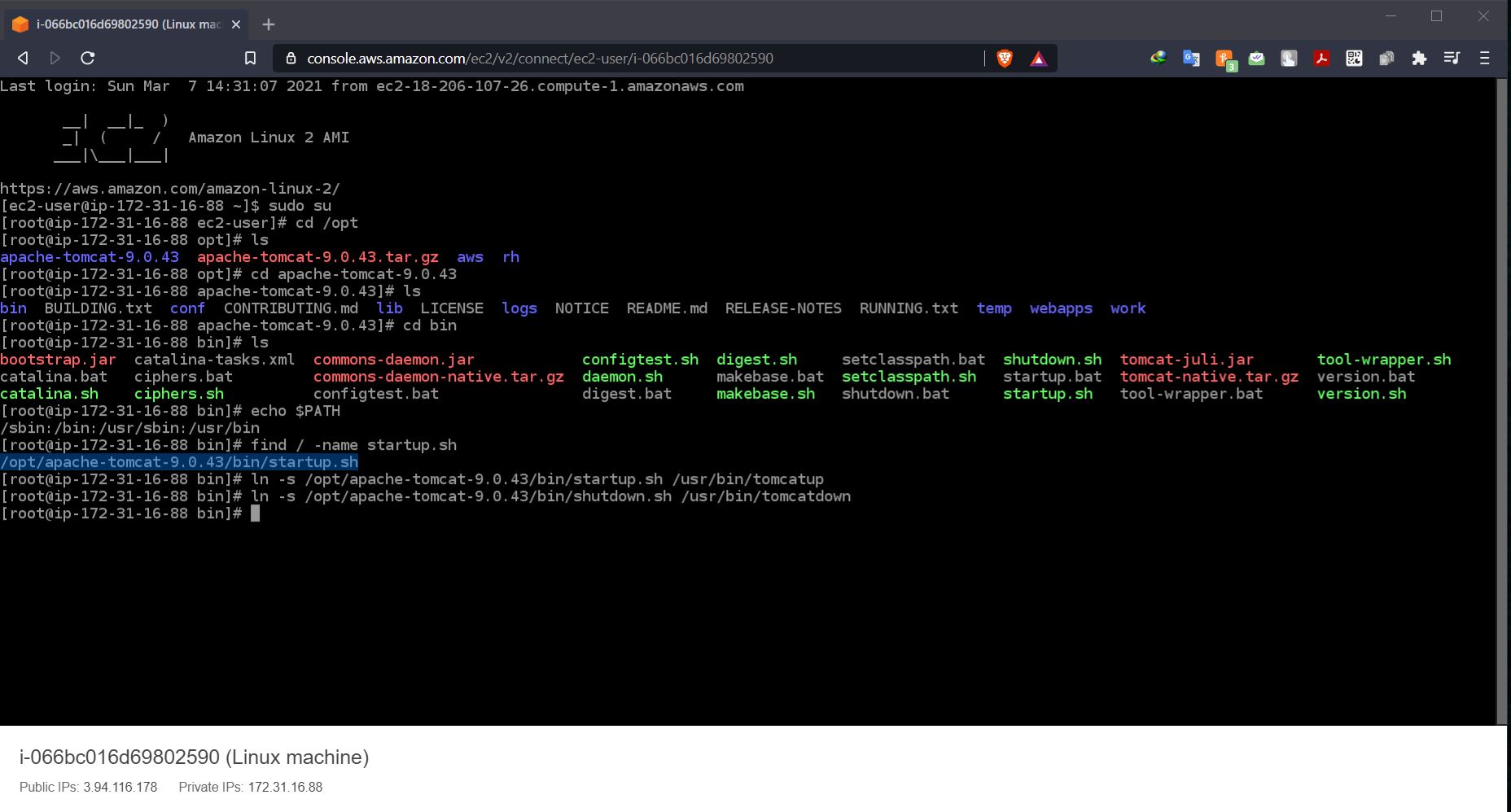


- Created a softlink with the below commands and a command to find the path of startup.sh –

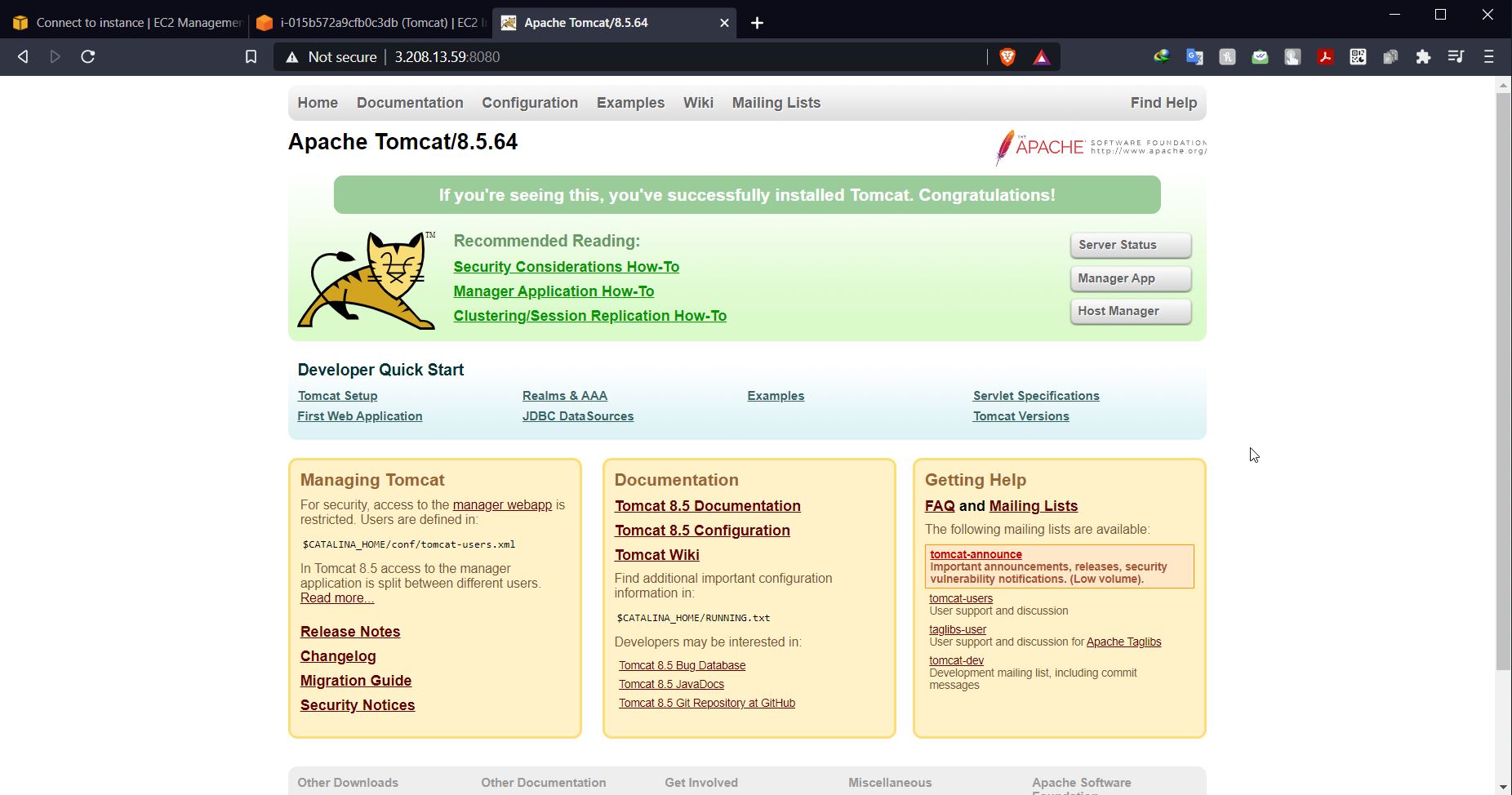
echo $PATH or find / -name startup.sh

ln -s path /usr/bin/tomcatup

ln -s path /usr/bin/tomcatdown

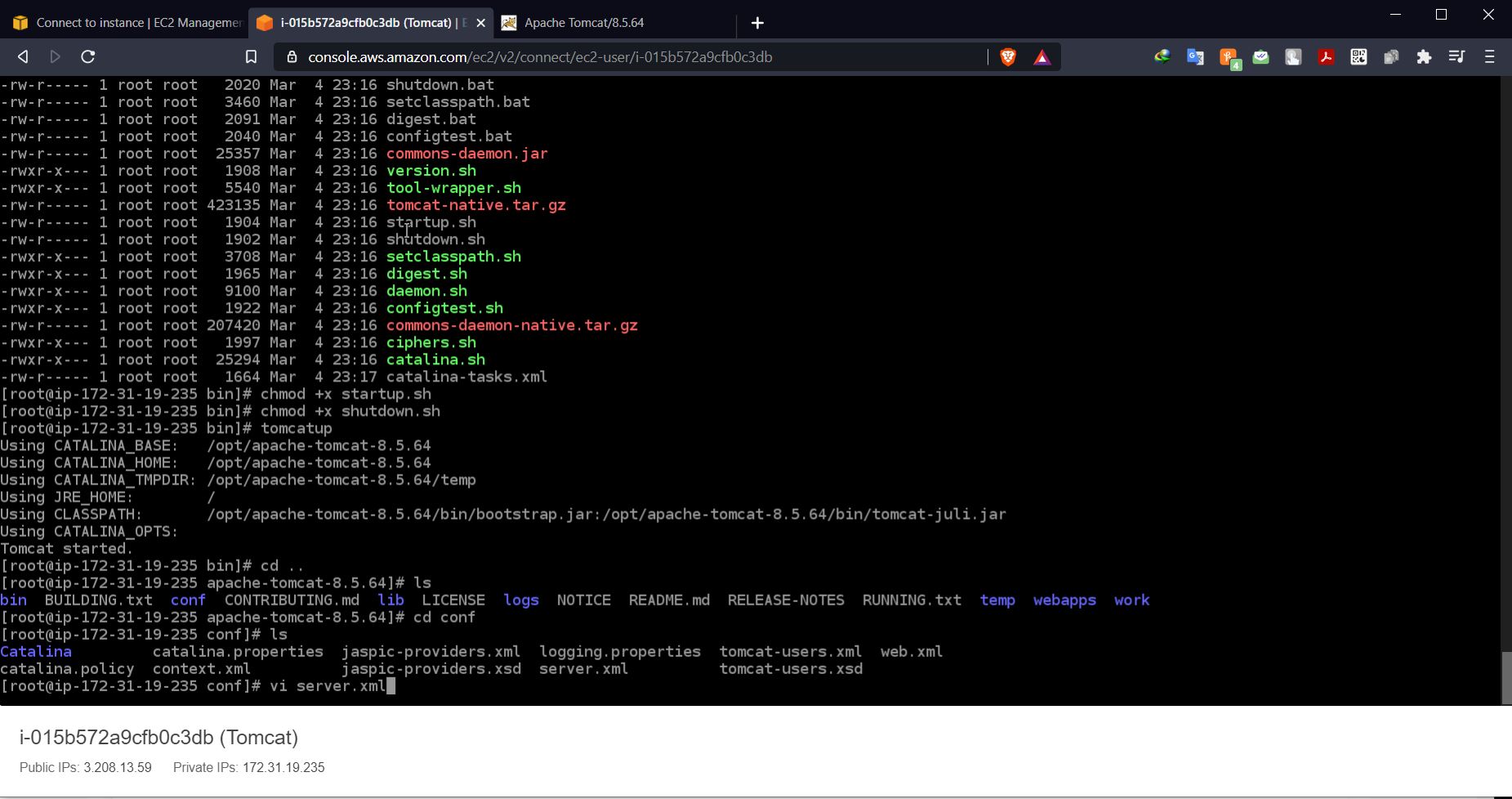


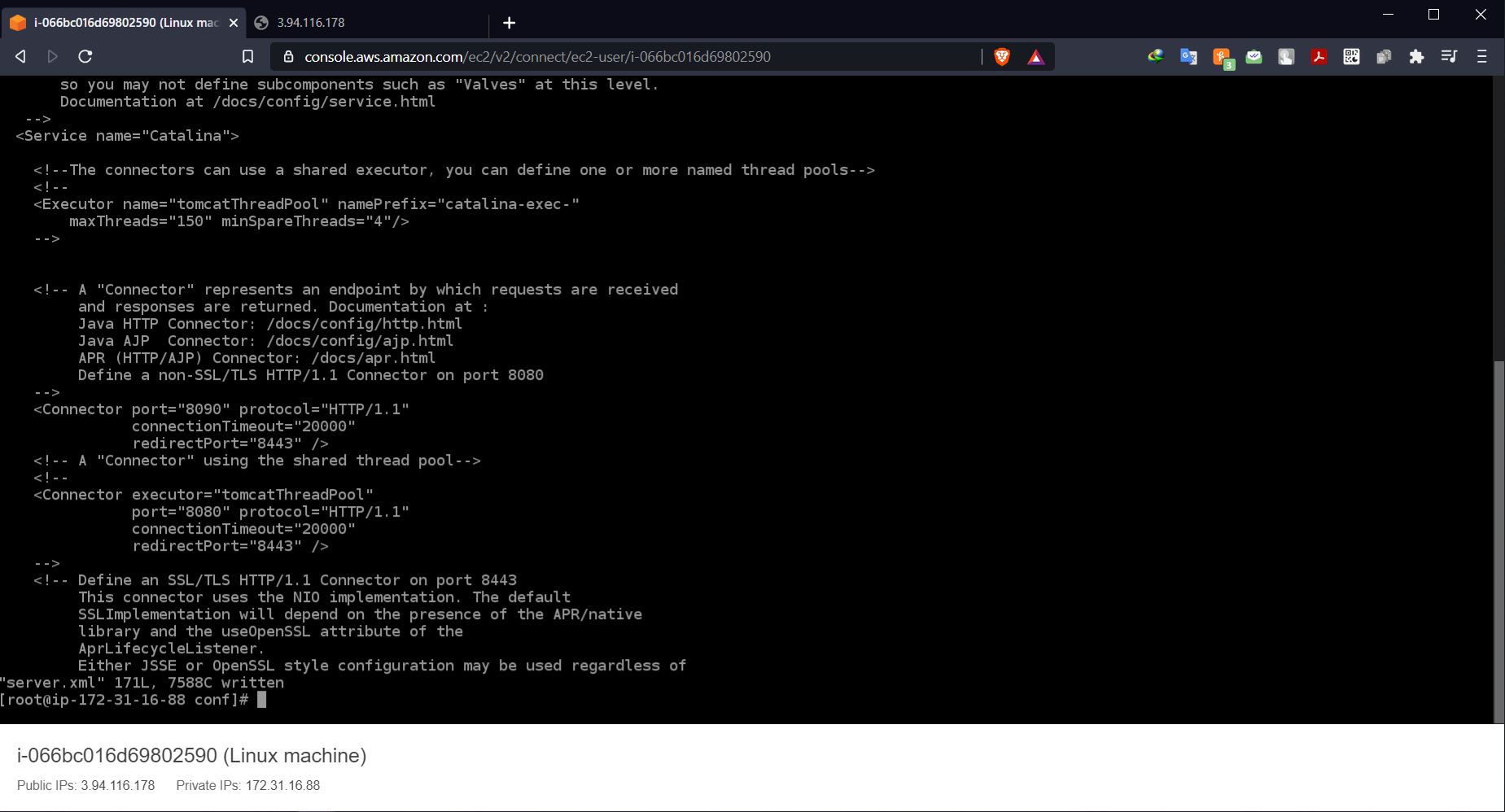
* apache-tomcat running at port 8080



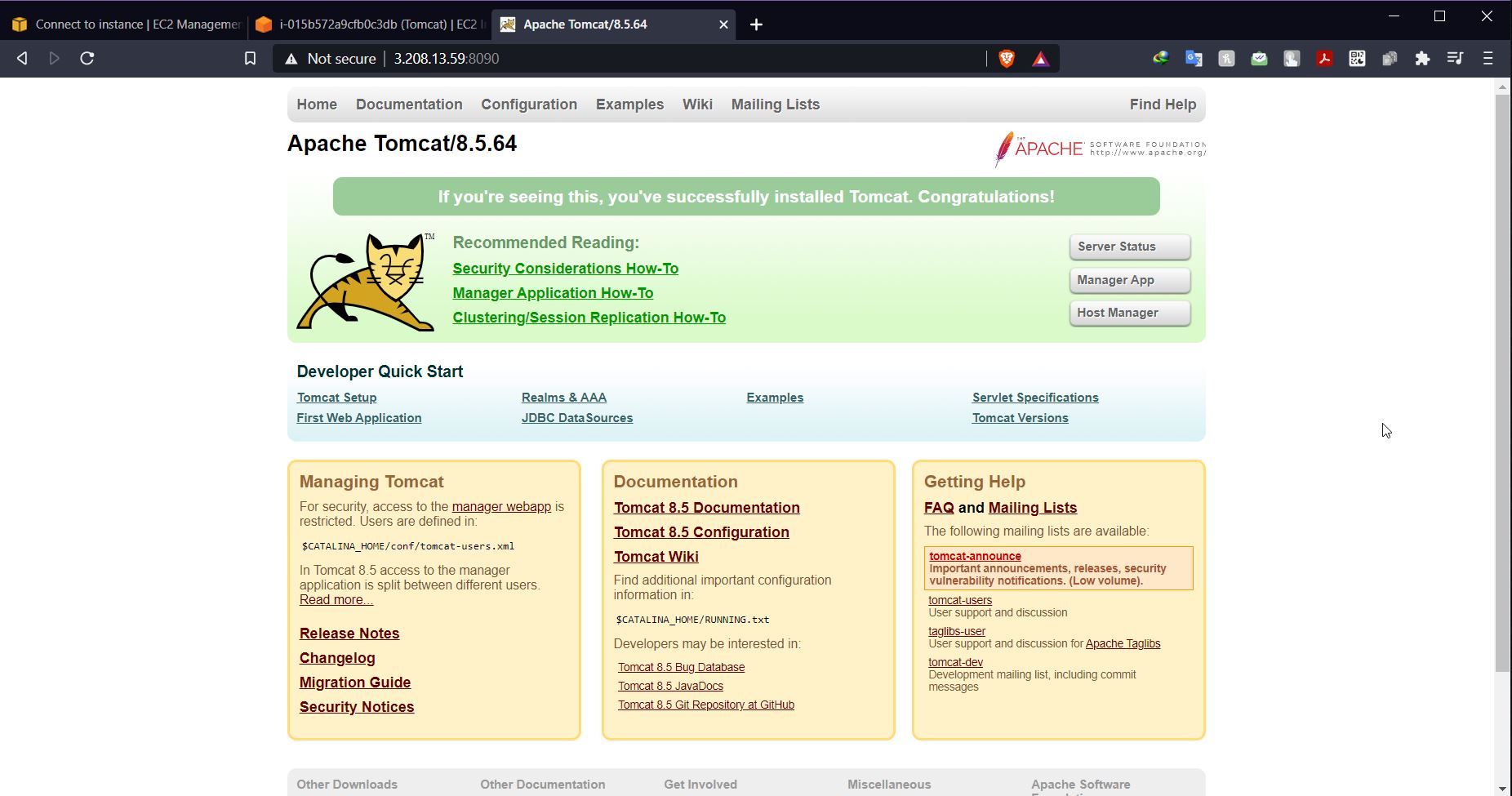
* changing the port to 8090 by editing the file with command – vi server.xml and making the connector port to 8090 and saving it with – esc :wq

Note- Stop and restart tomcat after every changes with commands - tomcatdown and again tomcatup

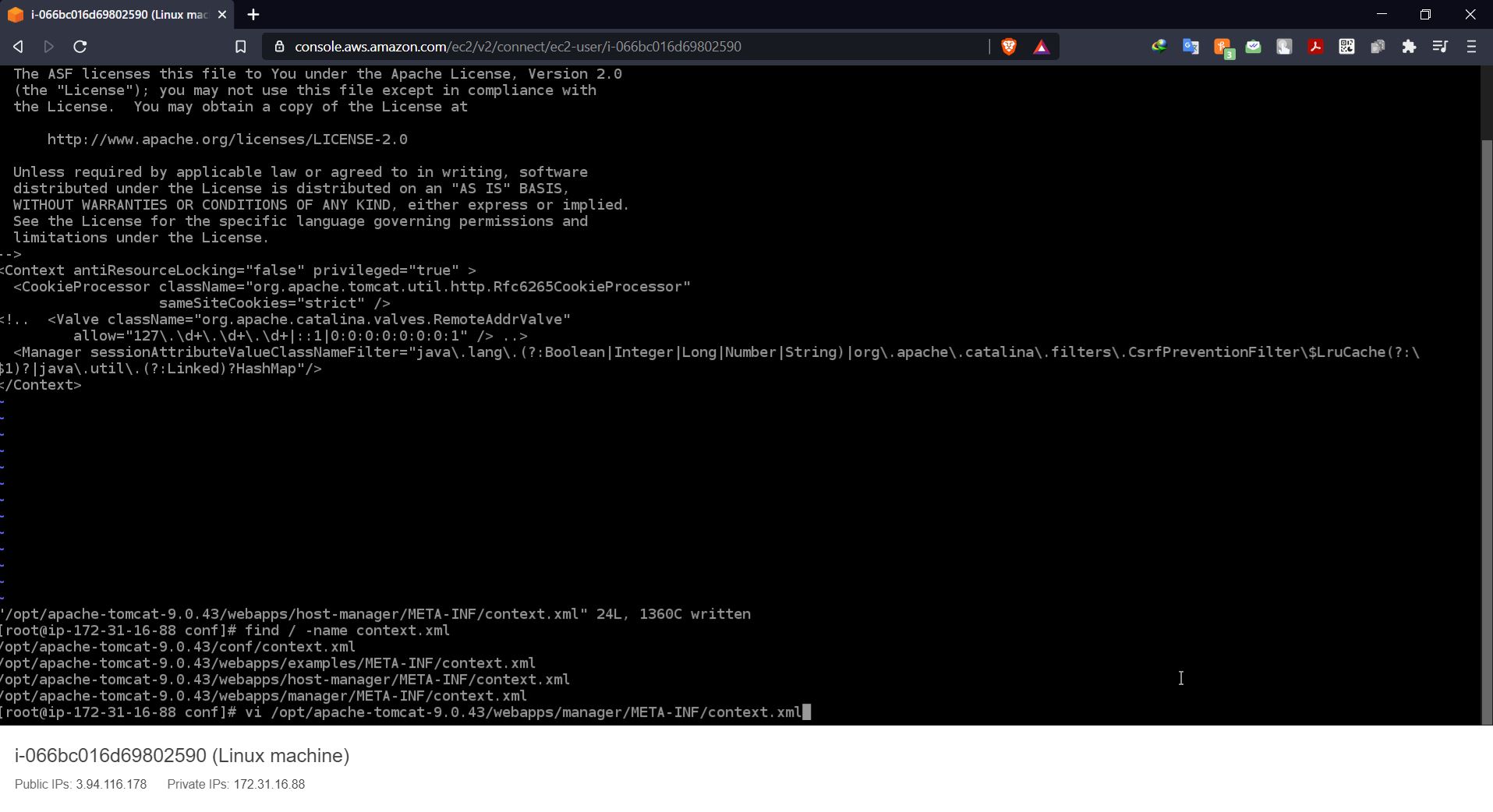


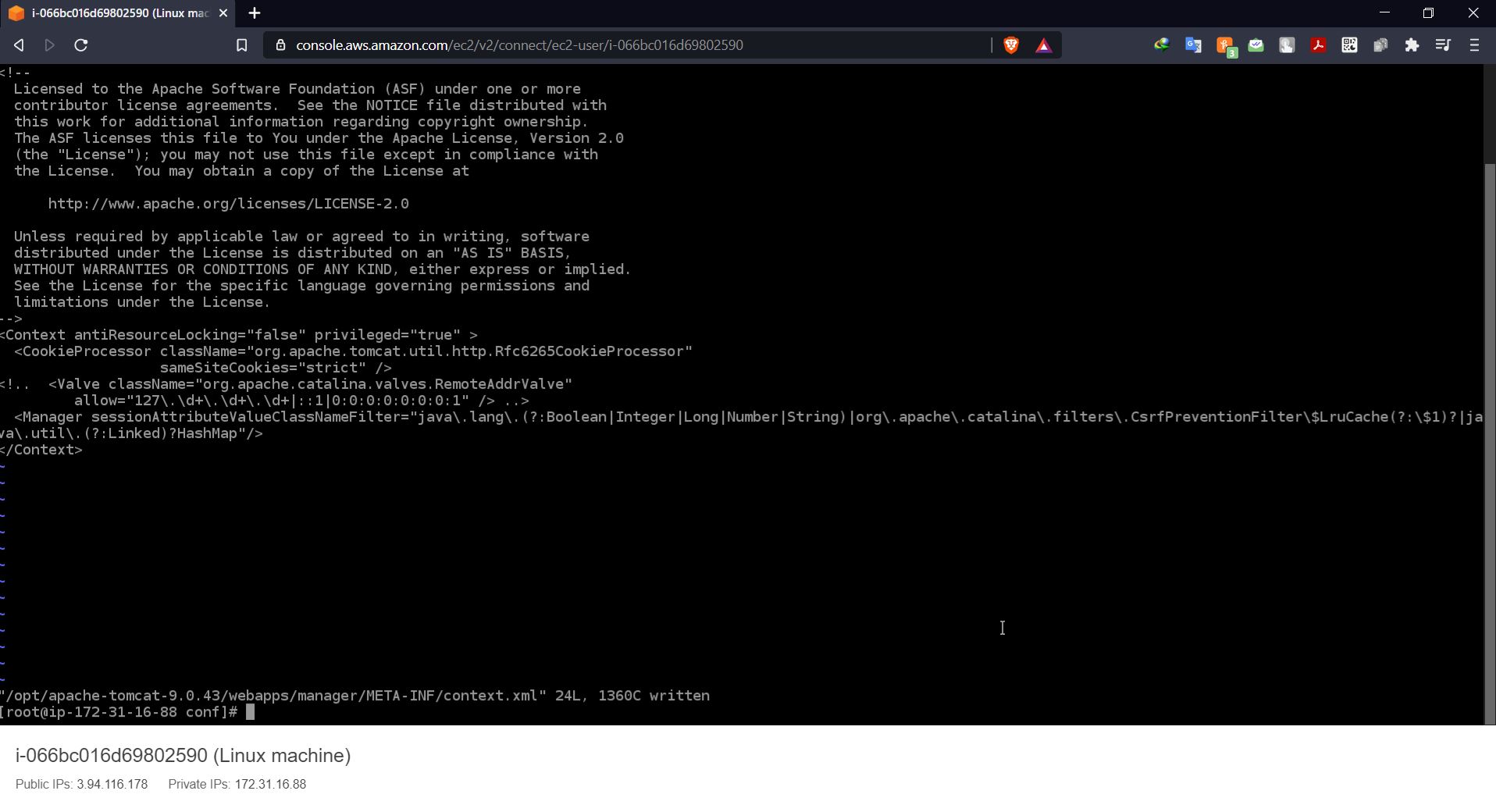


* apache-tomcat running at port 8090

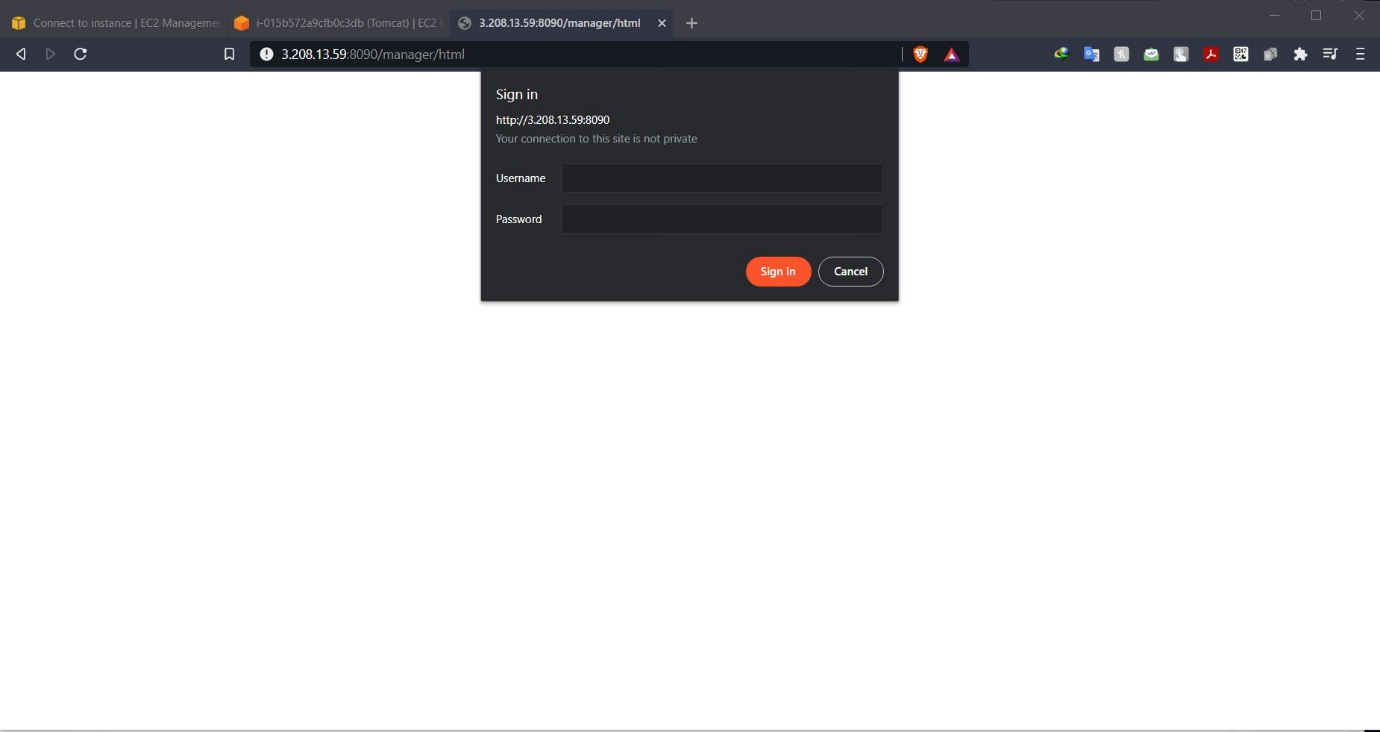


* edit context.xml to allow manager apps access by finding the context.xml file with command – find / -name comtext.xml & editing both the files with vi editor and making <Value Classname=…./> a comment line and saving it.

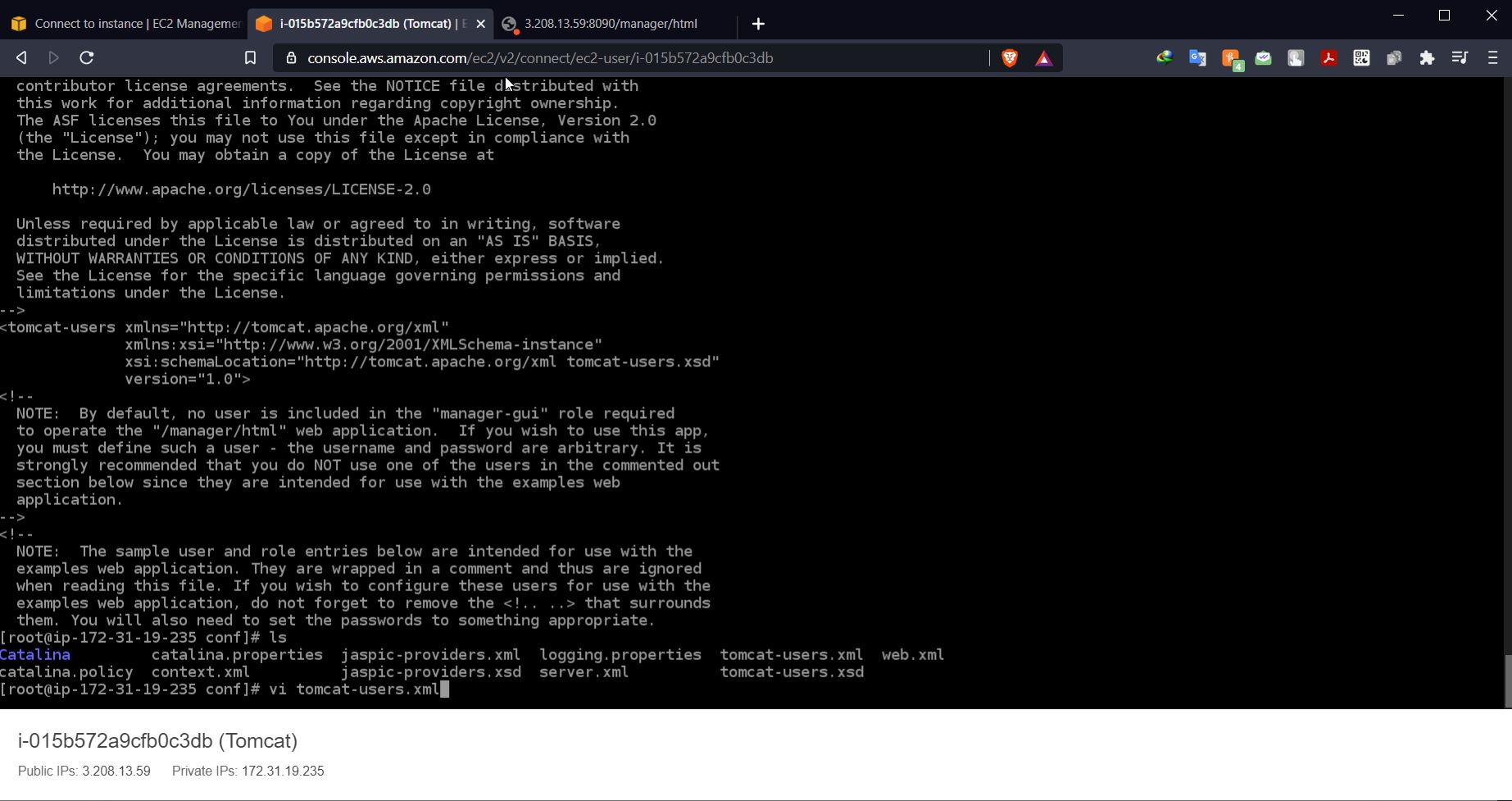




* tomcat manager access with login credentials



* Adding users and roles to tomcat-users.xml by editing the file with - vi tomcat-users.xml



* **Roles used for admin login -**

<role rolename="manager-gui"/>

<role rolename="manager-script"/>

<role rolename="manager-jmx"/>

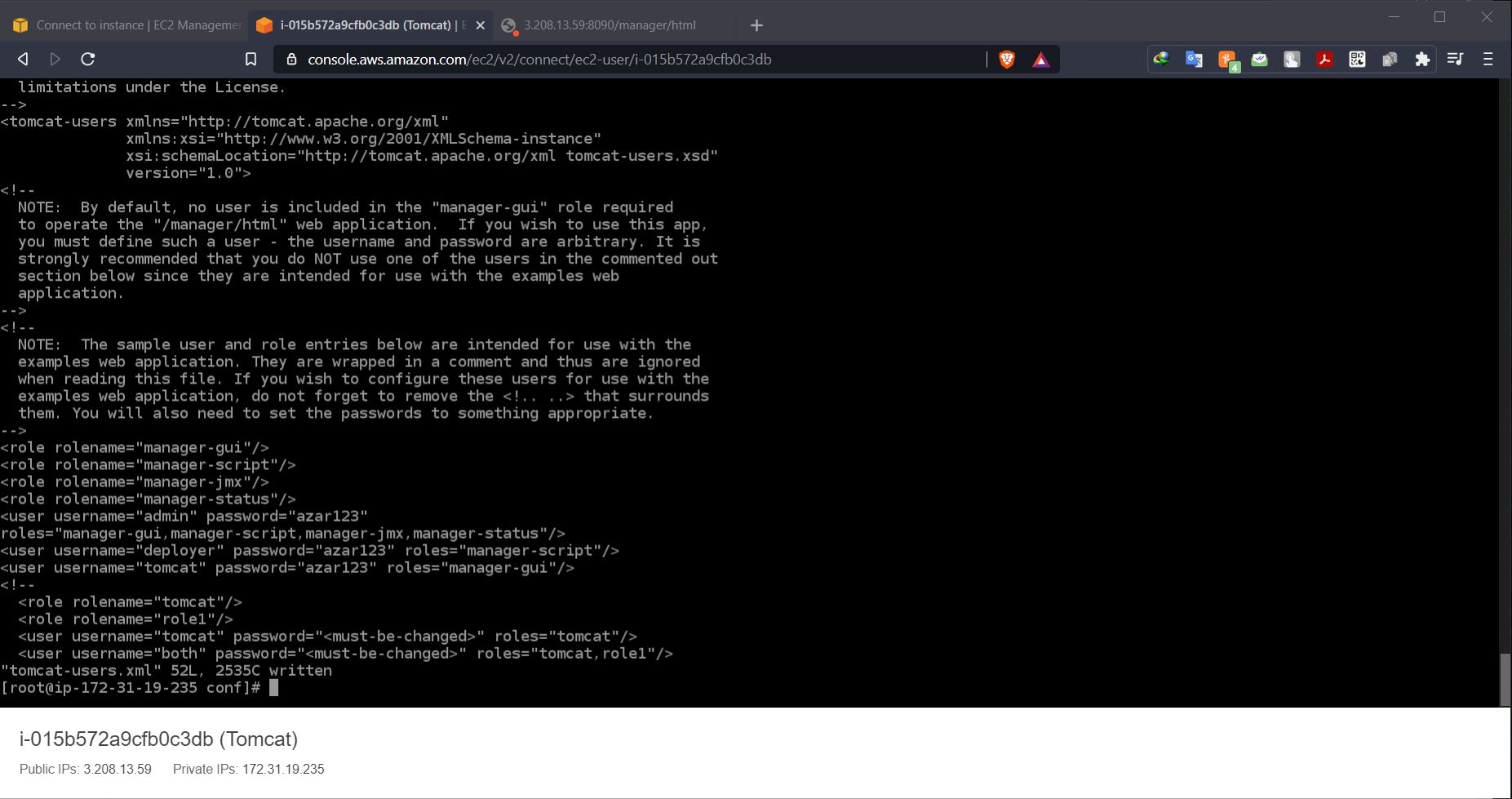
<role rolename="manager-status"/>

<user username="admin" password="azar123"

roles="manager-gui,manager-script,manager-jmx,manager-status"/>

<user username="deployer" password="azar123" roles="manager-script"/>

<user username="tomcat" password="azar123" roles="manager-gui"/>



* Restart the web app manager and then by providing the login credentials getting access of the Tomcat we application manager

