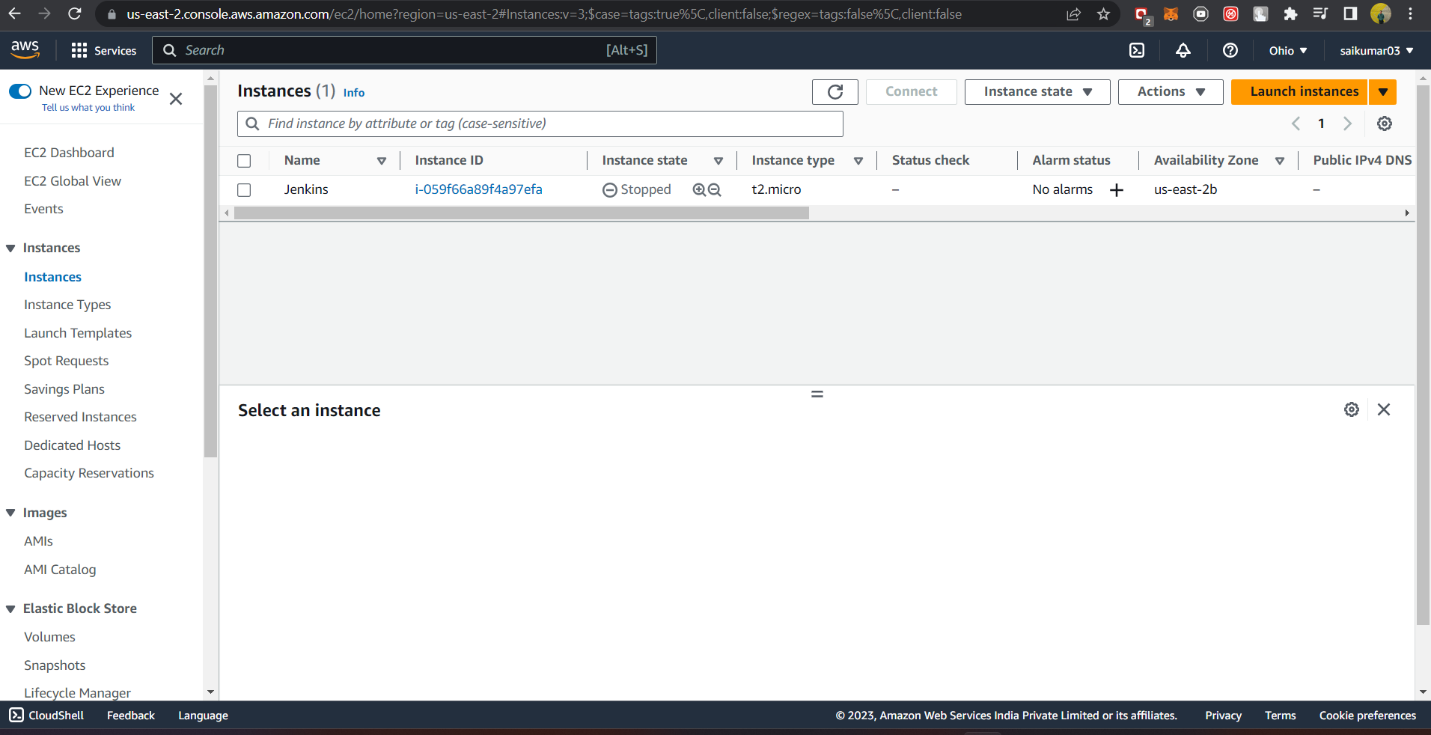
Task 1

Create a Jenkin server in AWS and give required requirements to it.



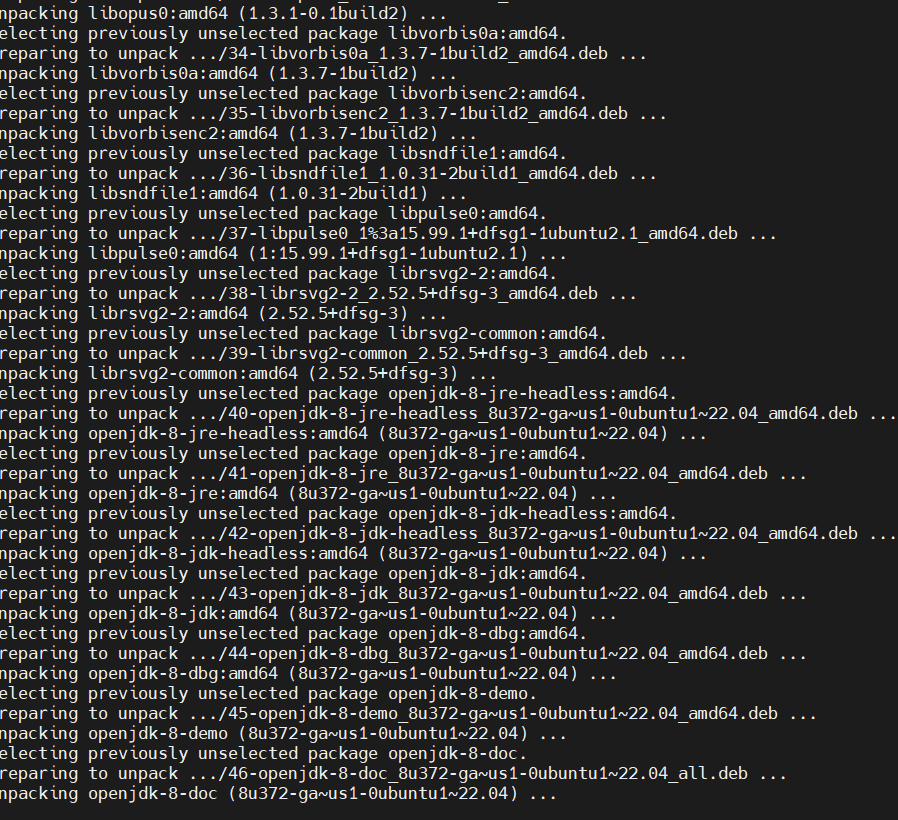
Run following command

sudo apt update

$sudo apt install default-jdk

$sudo apt install default-jre

Once run these following commands then java will be installed automatically



After installing java we have to install Jenkins, so to install Jenkins we have to run following commands in terminal

## sudo wget -O /etc/yum.repos.d/jenkins.repo \

## https://pkg.jenkins.io/redhat/jenkins.repo

## sudo rpm --import https://pkg.jenkins.io/redhat/jenkins.io-2023.key

## sudo dnf upgrade

## # Add required dependencies for the jenkins package

## sudo dnf install java-17-openjdk

## sudo dnf install Jenkins

once after installing Jenkins we have to start Jenkins to start Jenkins run the following commands

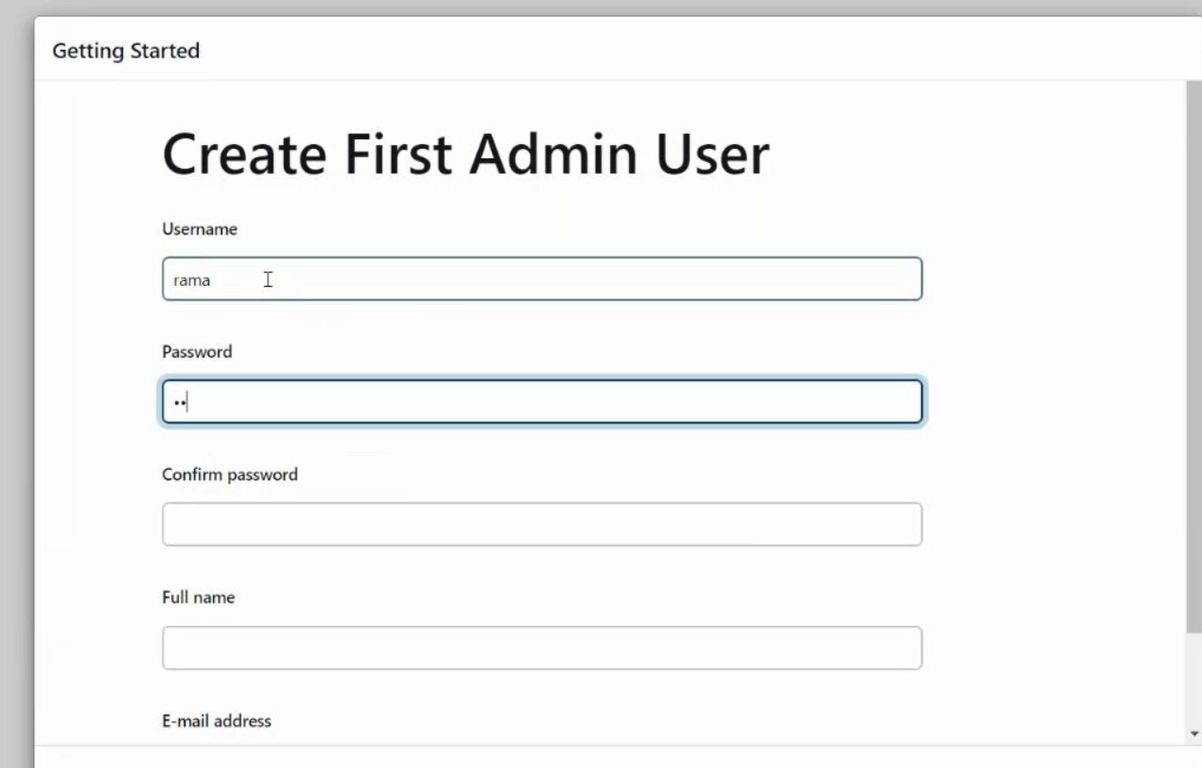
## sudo systemctl enable Jenkins

## sudo systemctl enable Jenkins

## sudo systemctl status Jenkins

Jenkins successfully installed in the server, now copy the public ip and run it in browser with :8080

Now select install Jenkins and create user name and password



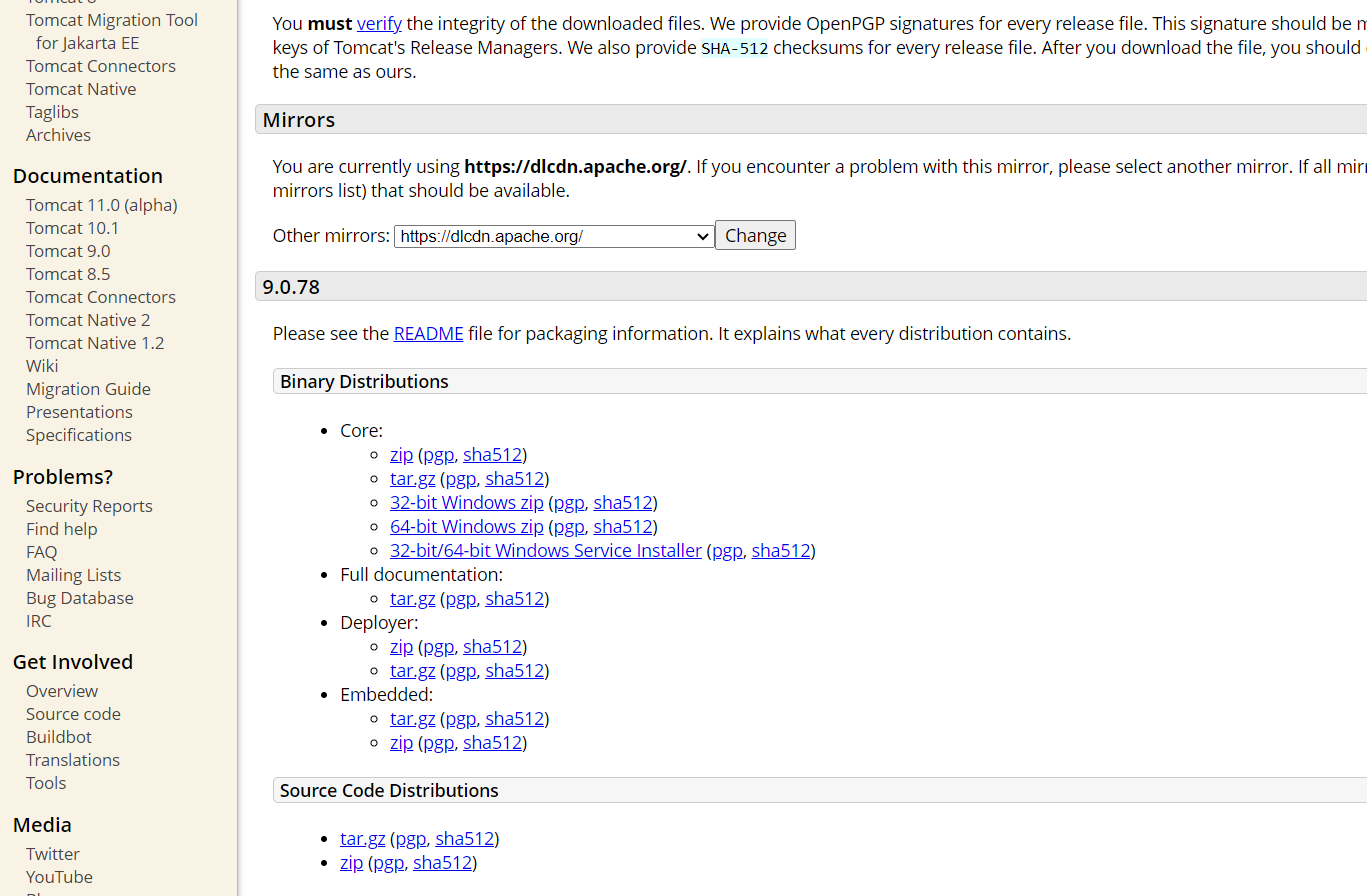
Task 1 is successfully completed by installing Jenkins in Ubuntu Server

Task 2

Here we install tomcat server in the server

To install tomcat server we need to follow following commands

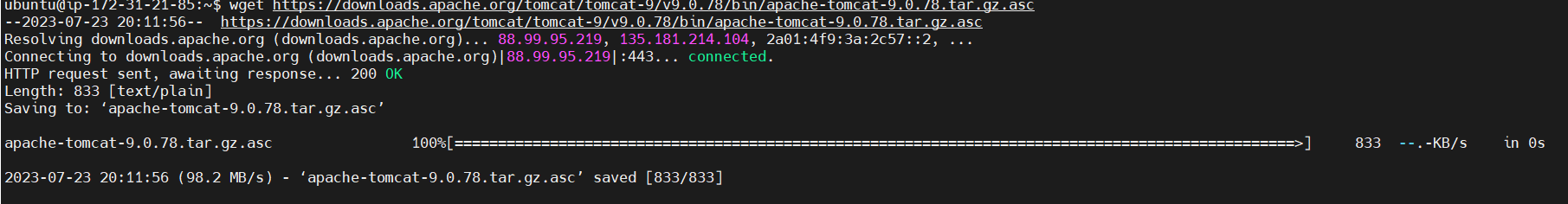
1.Go to Tomcat website and download option and select version



Select the Tar version and we can untar in server

To install use command

$wget link address



To untar use command

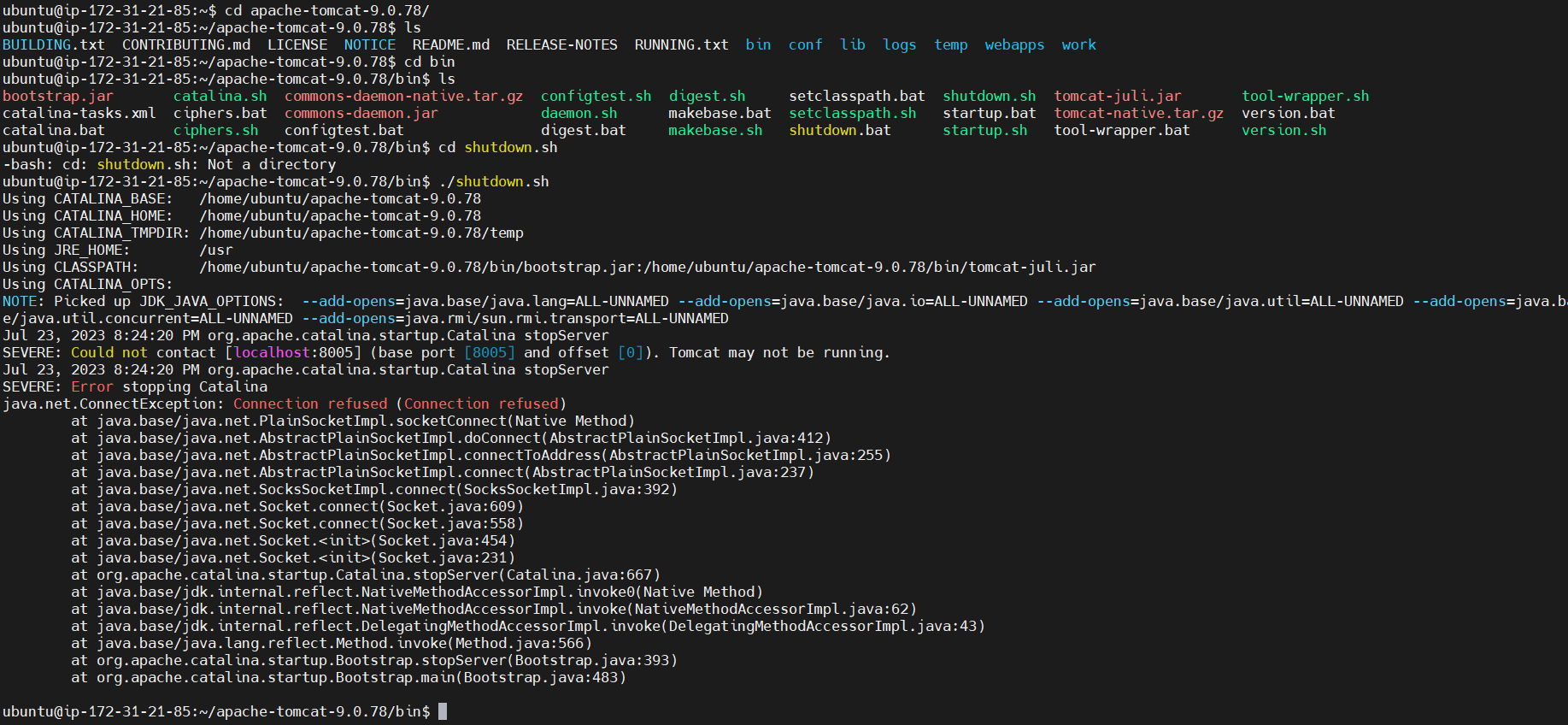
$tar -xvzf “file name”

Now go to Tomcat file by usinf]g

$cd “Tomcat File name”

Now go to bin file and run command

## $./shutdown.sh



Now run command,

## $./startup.sh

And you are ready to connect website

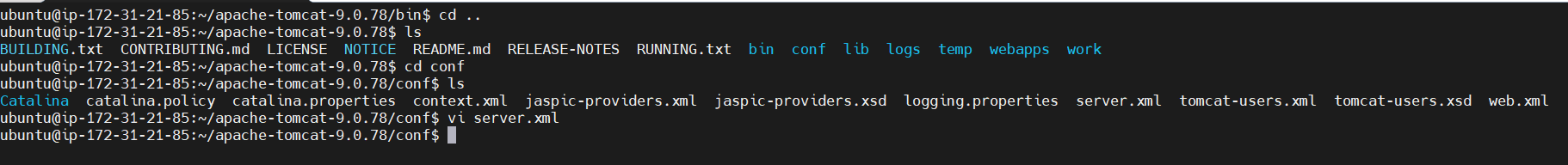
In general Tomcat and Jenkins should not run in one port so we should change the port no.

To change run following commands-

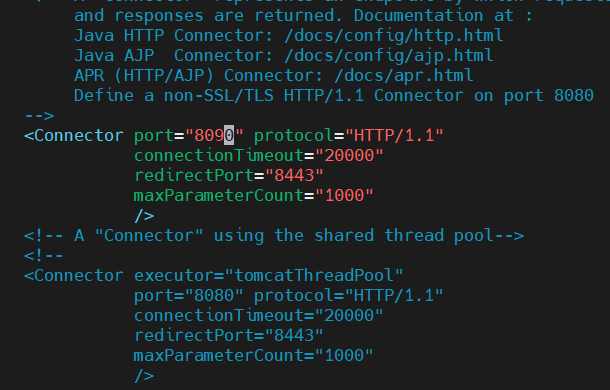
## $cd ..

## $cd conf

## $vi xml.server



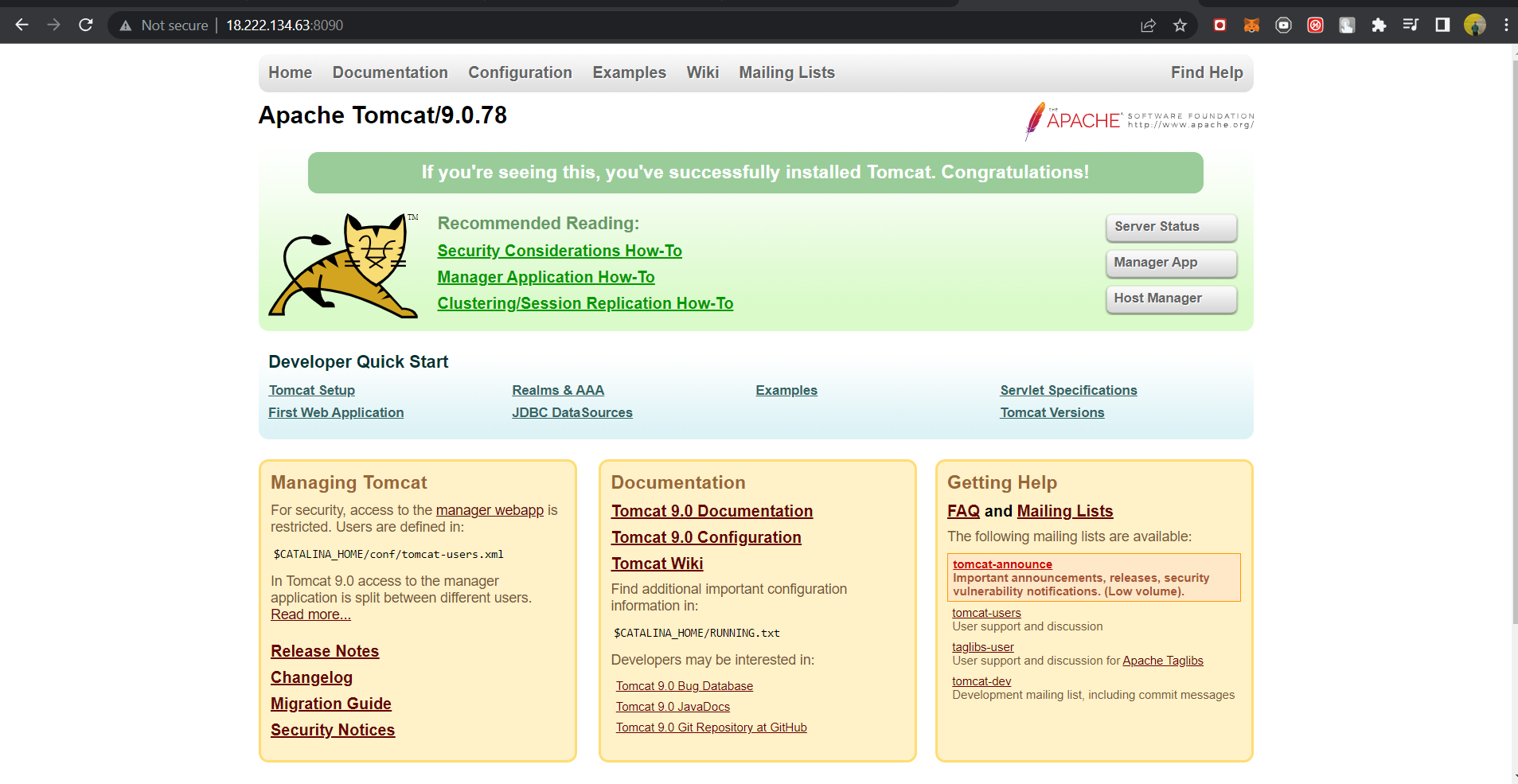
Change port no. to 8090



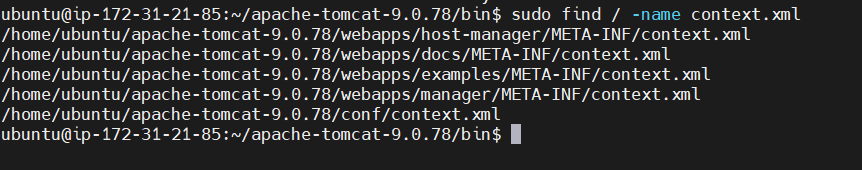
And save this by :wq command

After this go again to bin directory and run startup and shutdown commands

Now connect to tomcat server

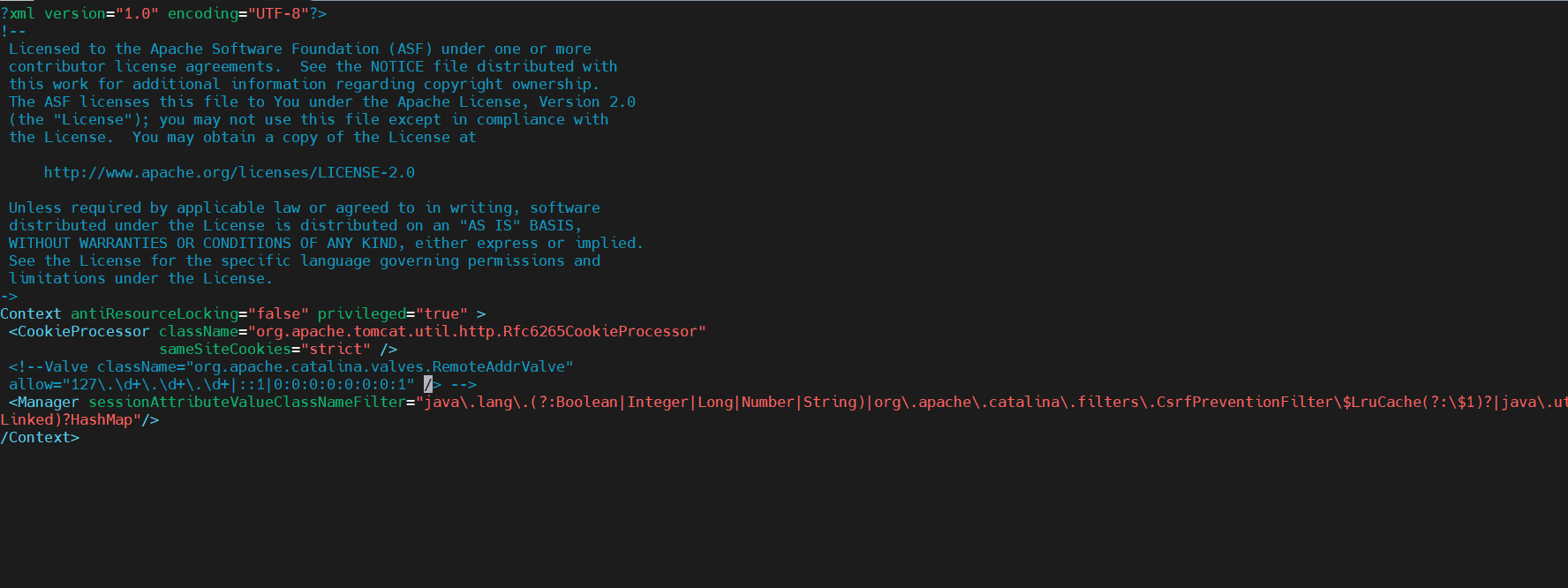


Now click on manager app it shows error to correct it we need to edit contect.xml by seeing each file given in directory



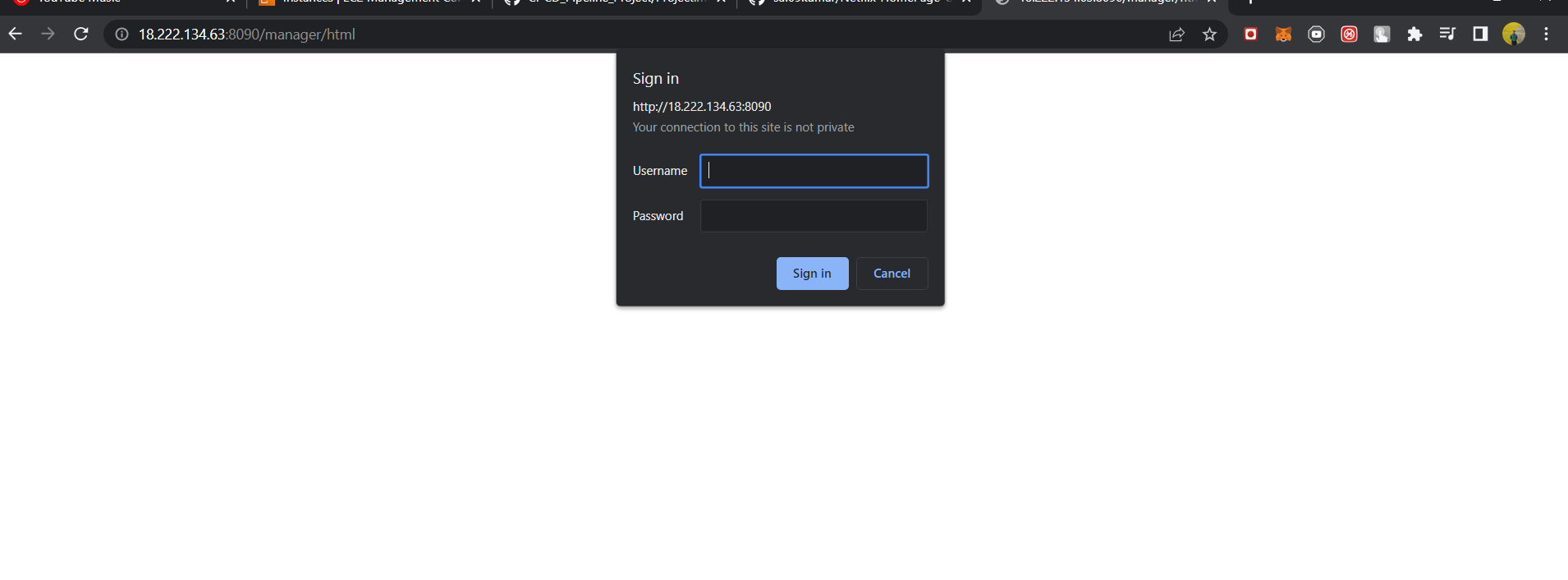
Now check each file and edit the errors by following way

$sudo vi -file name-

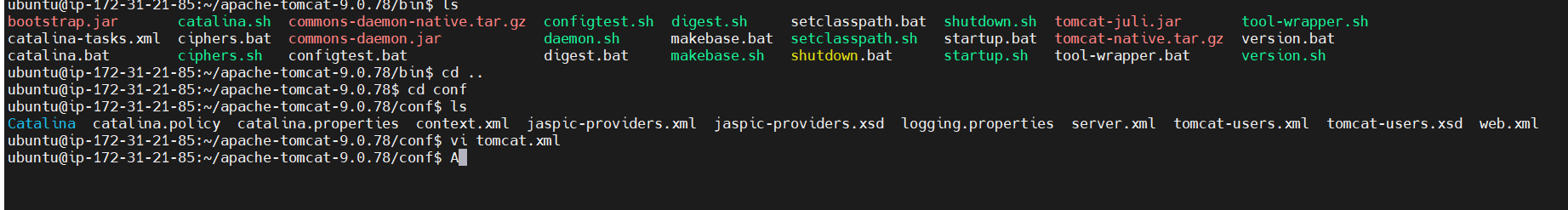


Correct following errors usin !<< and -- >

After checking all files go to manager apps in tomcat site now it asks password and username



To edit users and password go to bin directory and edit tomcat-users.xml



Copy the following commands in it

<role rolename="manager-gui"/>

   <role rolename="manager-script"/>

   <role rolename="manager-jmx"/>

   <role rolename="manager-status"/>

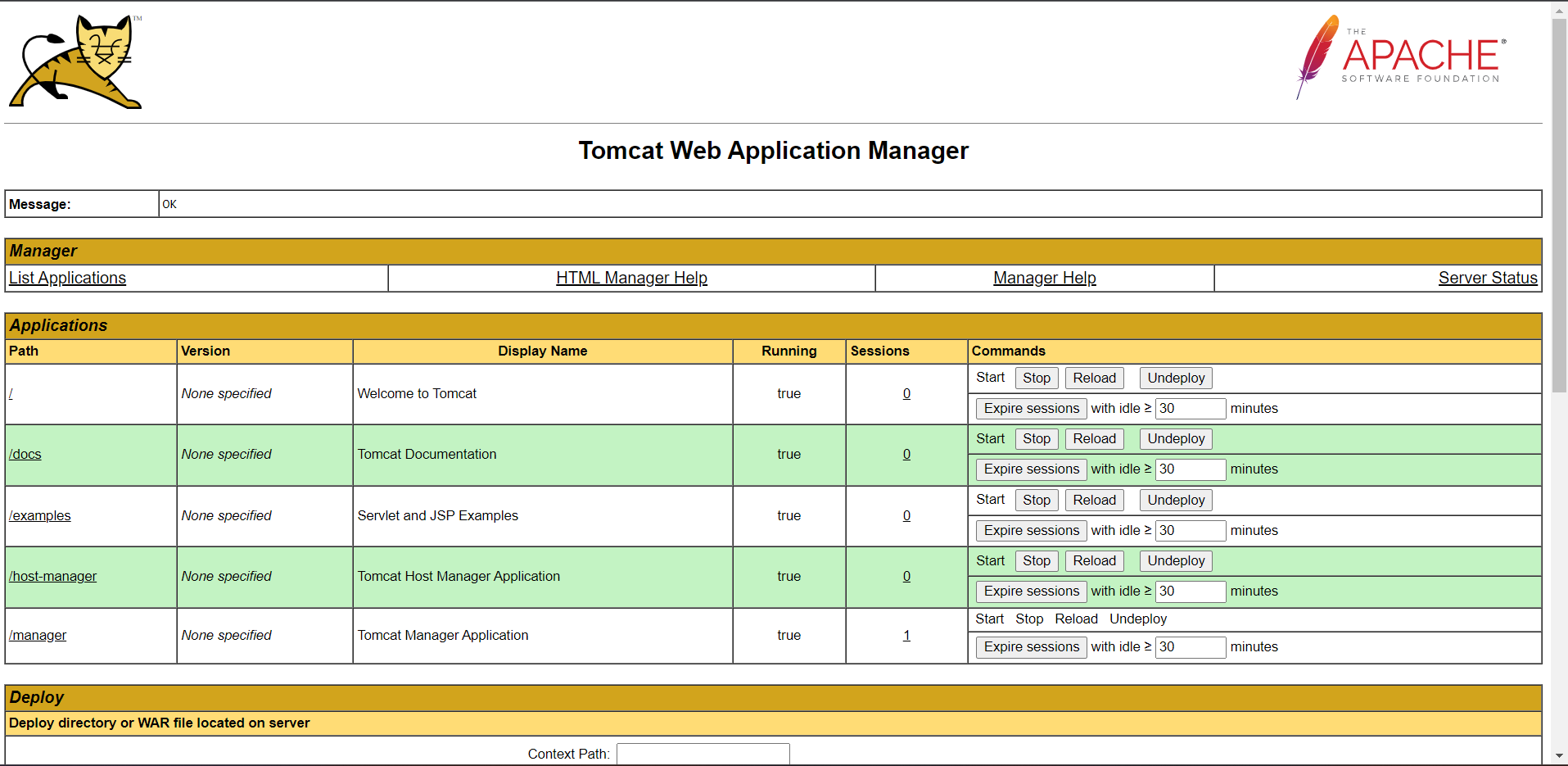
   <user username="admin" password="admin" roles="manager-gui, manager-script, manager-jmx, manager-status"/>

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

   <user username="tomcat" password="s3cret" roles="manager-gui"/>

With no spaces and save it and restart the service by startup and shutdown in bin directory

Now login to site with given user id and password



Now we are successfully connected our server to tomcat server now we should give credentials in Jenkins