------------------------Apache Tomcat server-------------------------------

-----> first u have install apache tomcat any instance or any command lin[vm]

goto google seracher like apache tomcat

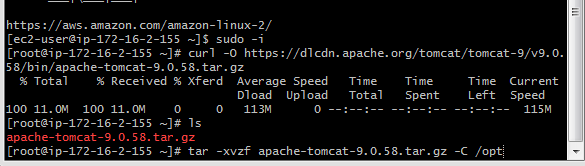
----> select tomcat 9 ----> choose [tar.gz](https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.58/bin/apache-tomcat-9.0.58.tar.gz) ([pgp](https://downloads.apache.org/tomcat/tomcat-9/v9.0.58/bin/apache-tomcat-9.0.58.tar.gz.asc), [sha512](https://downloads.apache.org/tomcat/tomcat-9/v9.0.58/bin/apache-tomcat-9.0.58.tar.gz.sha512))

----->wget https://archive.apache.org/dist/tomcat/tomcat-9/v9.0.21/bin/apache-tomcat-9.0.21.tar.gz

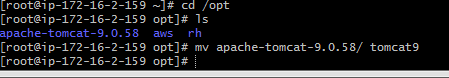
it will and extract /opt

----->tar -xvzf charvie -C /opt

---->tar -xvzf apache-tomcat-9.0.58.tar.gz -C /opt/



--->---->tar -xvzf apache-tomcat-9.0.58.tar.gz -C /opt/



and rename for apache-tomcat -9.0.58 has a tomcat9

-------> then install java

------> to check java install r not

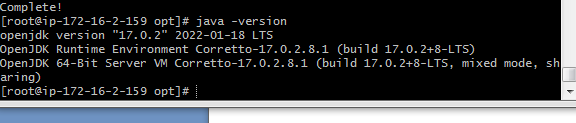
sudo amazon-linux-extras enable corretto17

sudo yum install -y java-17-amazon-corretto-devel

----> java -version

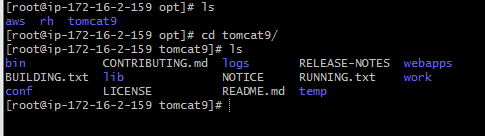


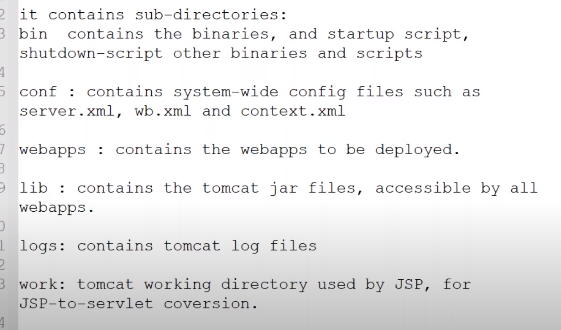
now install java

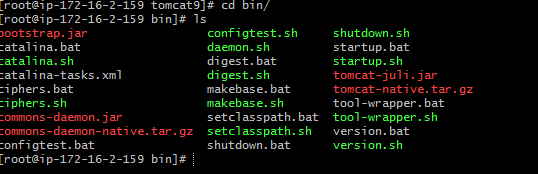


cd tomcat9

it shows all below



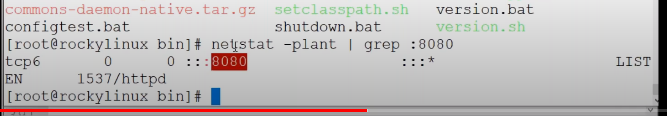




tomcat run on 8080 port

to check port

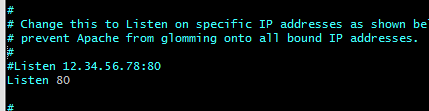
-----> netstat -plant |grep 8080

 if show like this

goto httpd congf and remove 8080 port

------>vim /etc/httpd/conf/httpd.conf

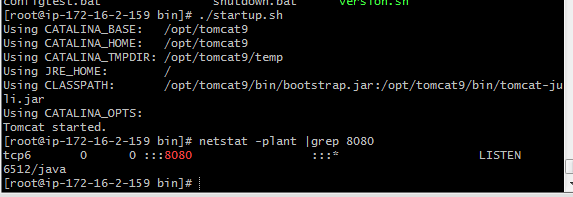
in listen if contaice 8080 will remove r else leave it



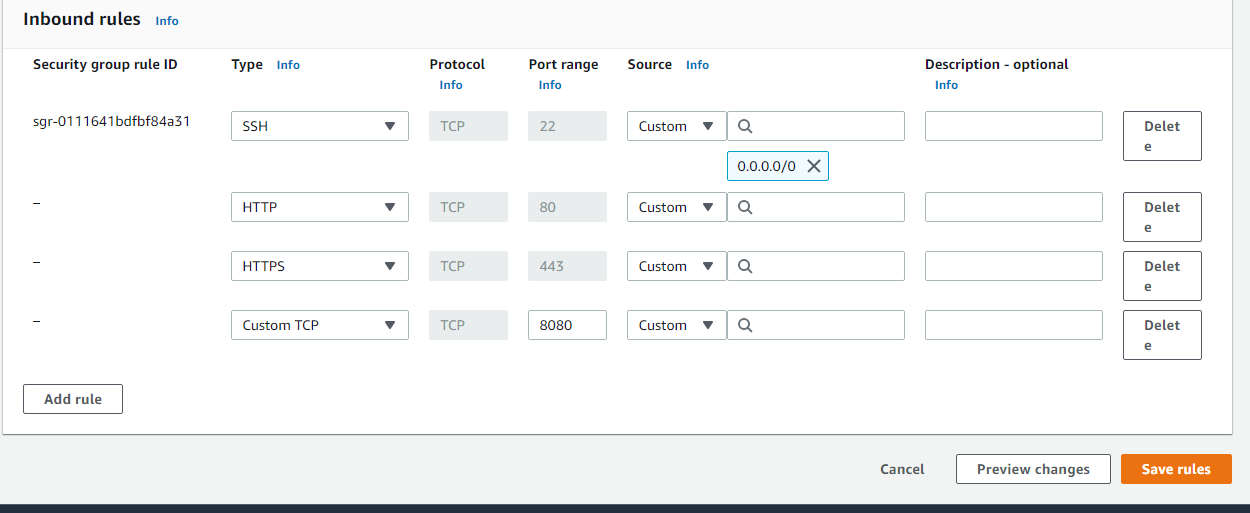
then

-----> ./startup.sh

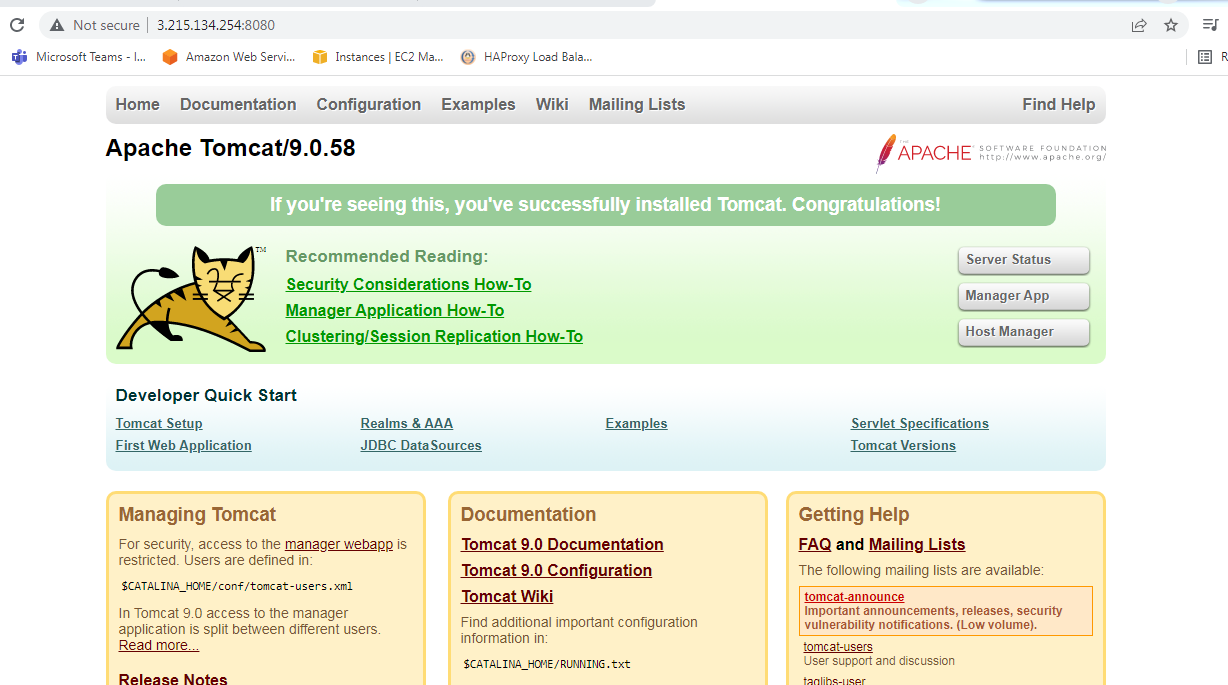
now it run tomcat 8080 port



to changes on secuirty group



then browse ip address it diplay apach web page





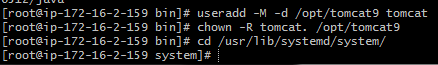
now add a user

-----> useradd -M -d /opt/tomcat9/ tomcat

-----> change owner ship

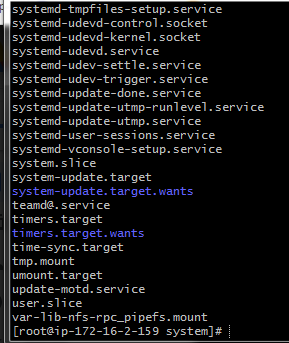
---->chown -R tomcat. /opt/tomcat9

and move to -----> cd /usr/lib/systemd/system



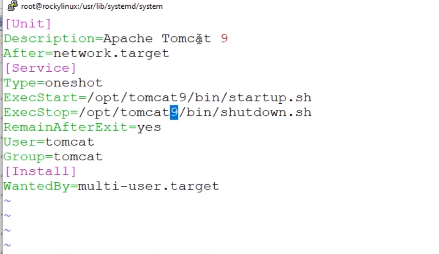
do ls

it show differnt file like



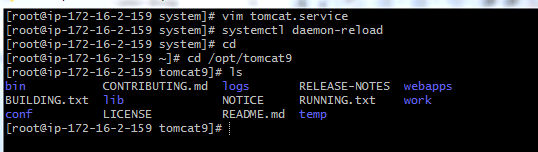
then create like

-----> vim tomcat.service



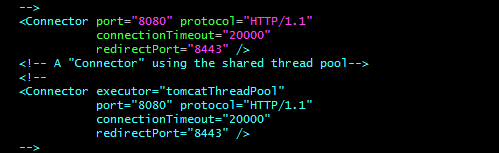
then ---> systemctl daemon-reload

after cd /opt/tomcat

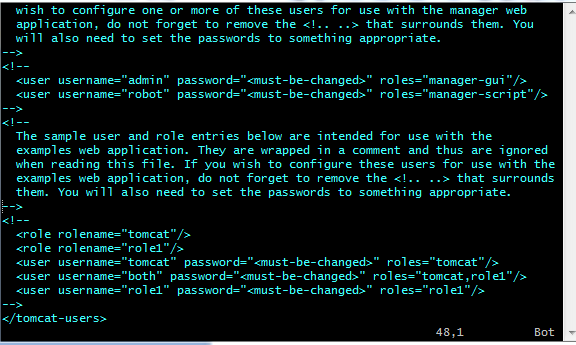


---->vim conf/server.xml

to show port number of ur sever



-----> vim conf /tomcat-users.xml



show like above and copy then line and past below

<!--

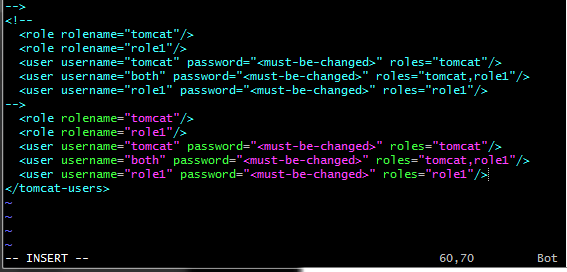
<role rolename="tomcat"/>

<role rolename="role1"/>

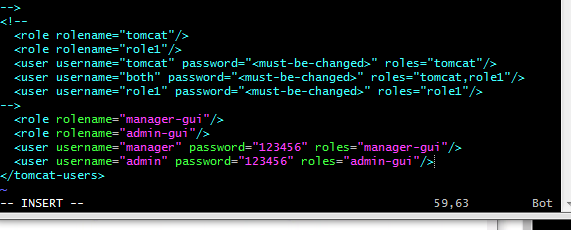
<user username="tomcat" password="<must-be-changed>" roles="tomcat"/>

<user username="both" password="<must-be-changed>" roles="tomcat,role1"/>

<user username="role1" password="<must-be-changed>" roles="role1"/>

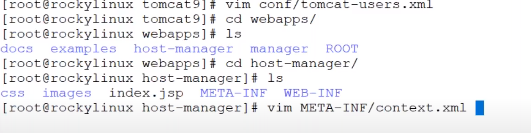


do changes like below

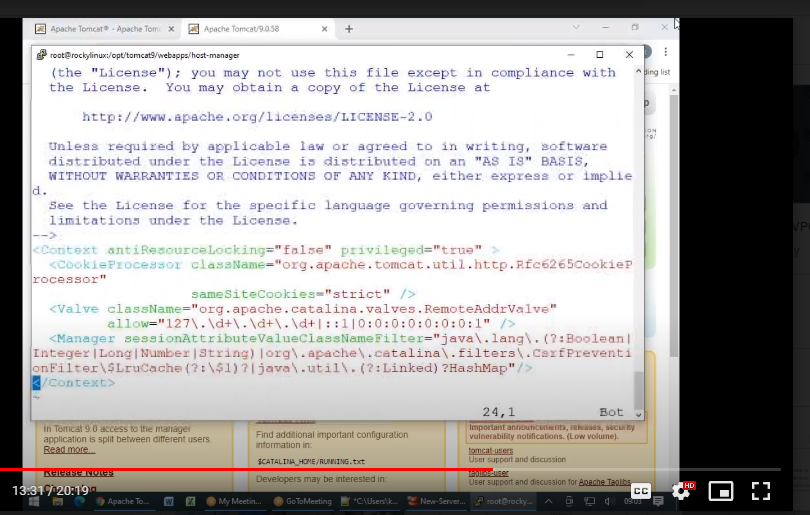


----> cd webapps/

---->cd host-manager/

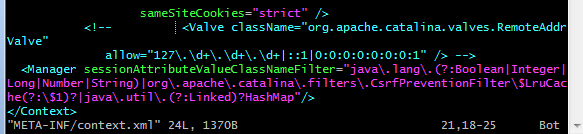


open like this



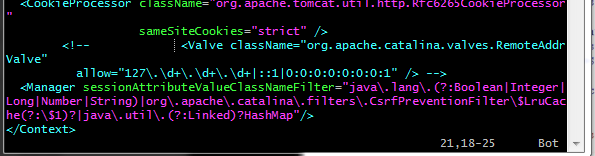
goto value classname do chanage like below

vim META\_INFA/context.xml



vim META\_INFA/context.xml

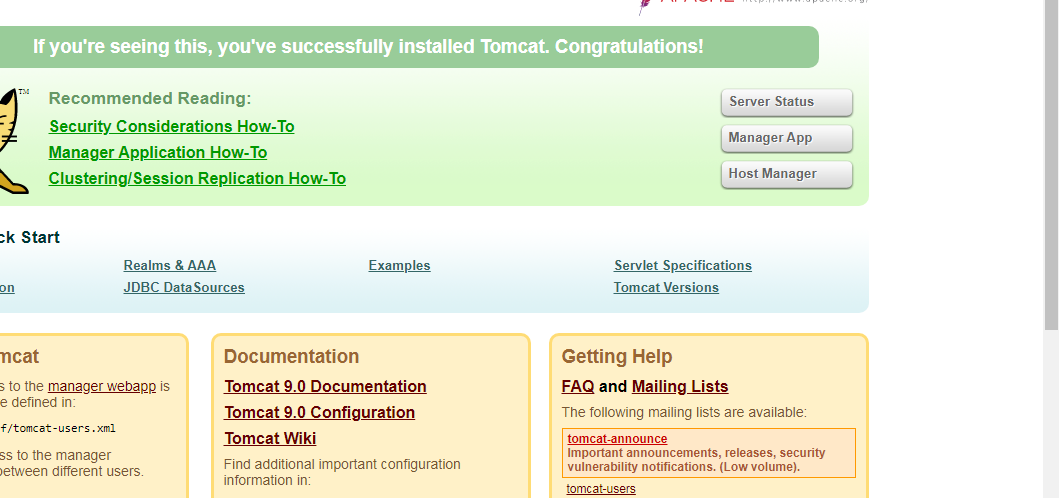
then cd /manager do same like above



then restart the tomcat

---> systemctl start tomcat

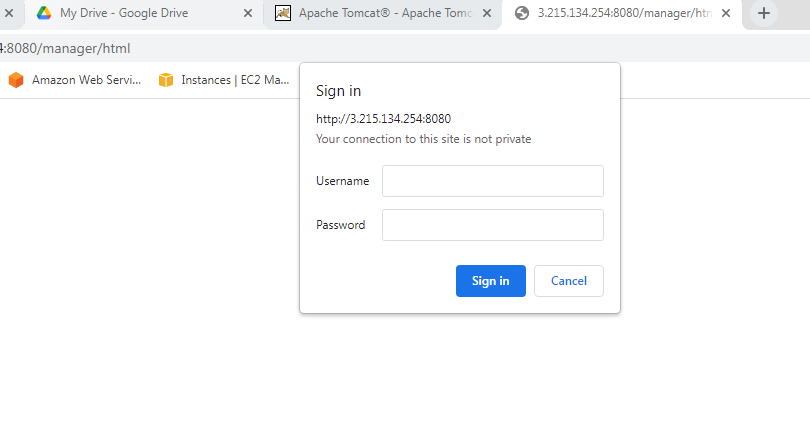
then goto web page select manager button

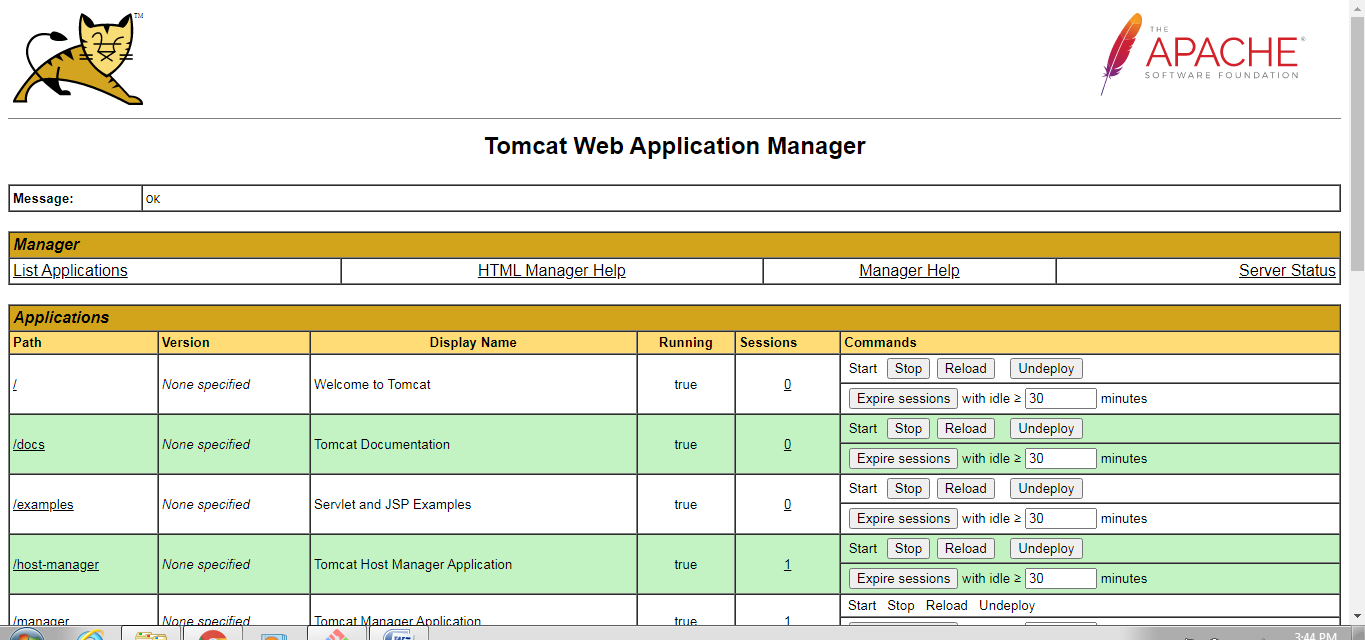


to show like below just details which specified

user name; manager

password:123456

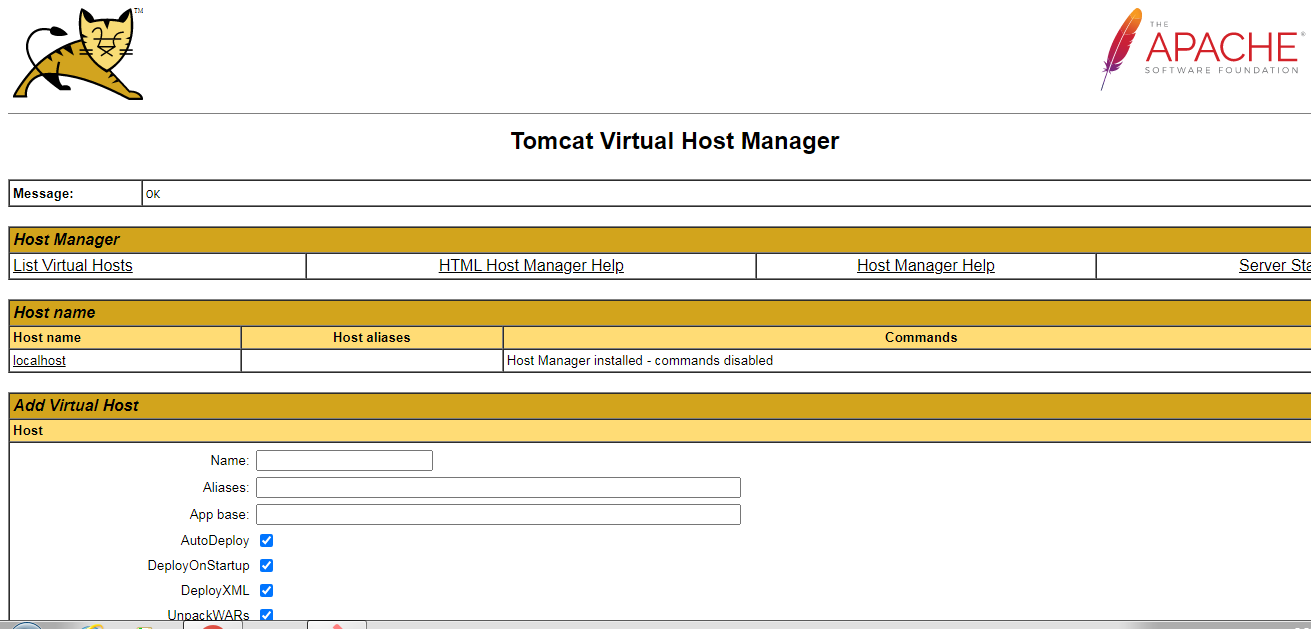




sign in with hostname

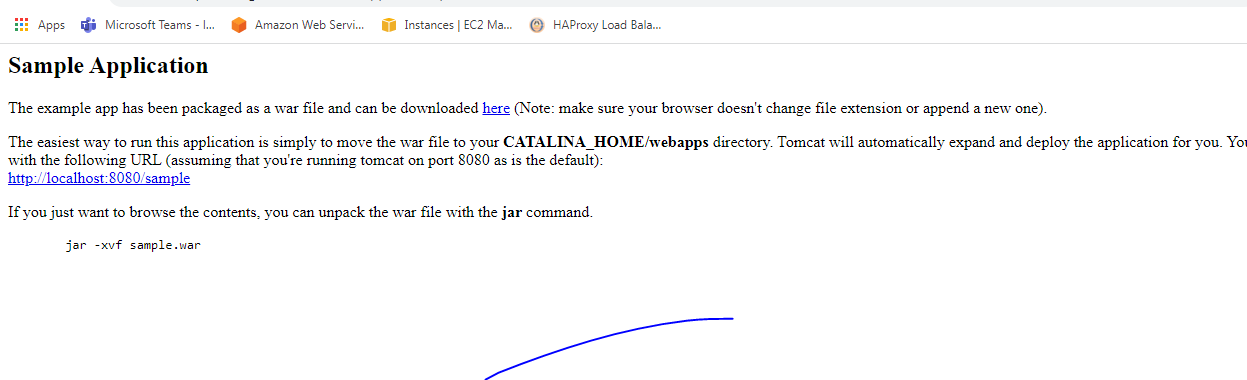
username :admin

password:123456



now to upload a sample war file

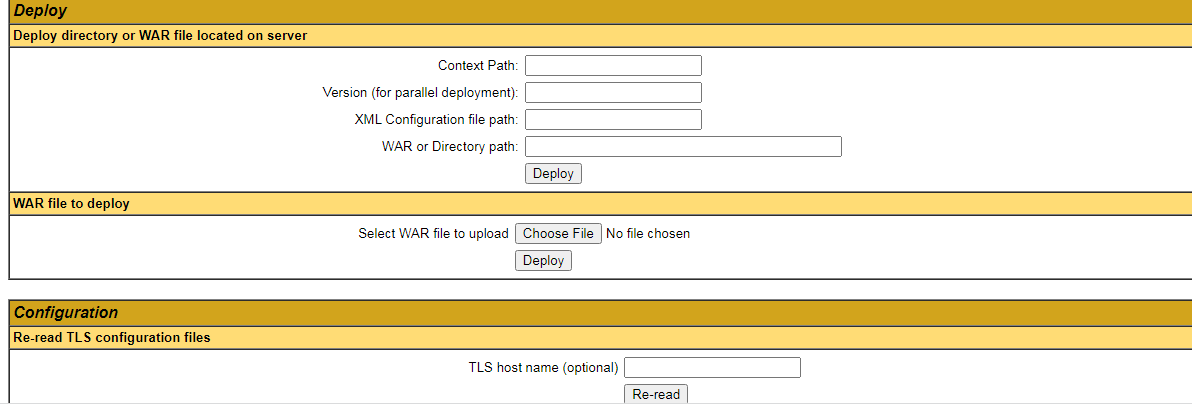
got o google search "sample war flie" browse amd dowln file



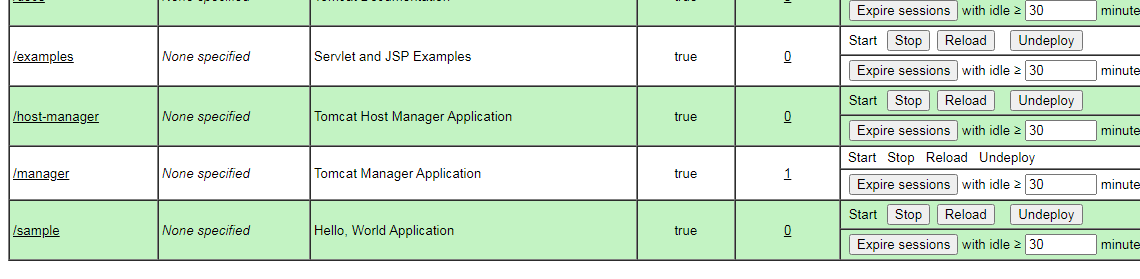
click "here" optn and dowload

and goto manager ---->war file--->choose file

---->select "Deploy"

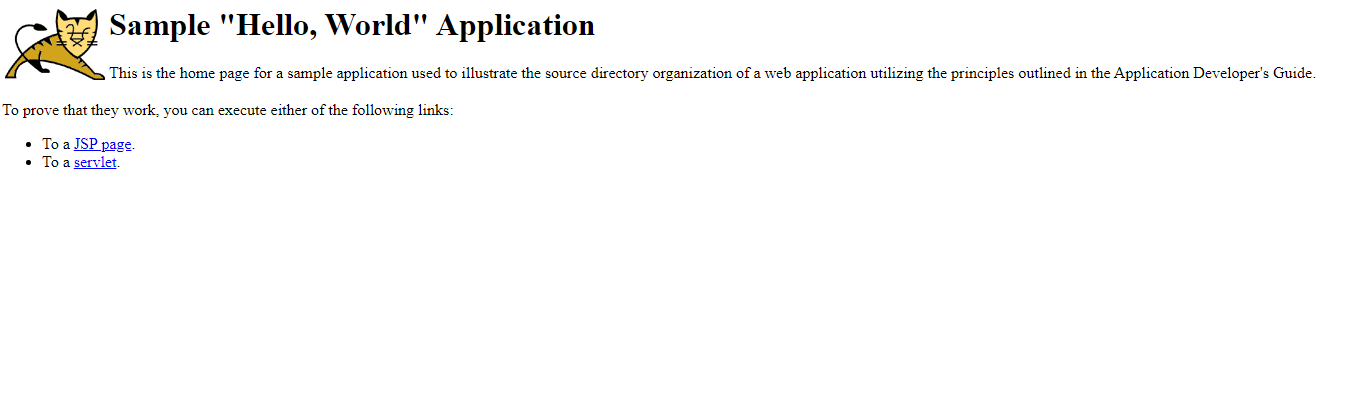


it will display like this



select sample and browse

it show like below



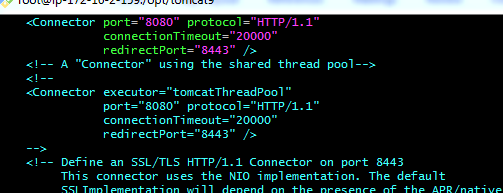
it dispaly ec2 also like below



------To change port number 8080 to 80

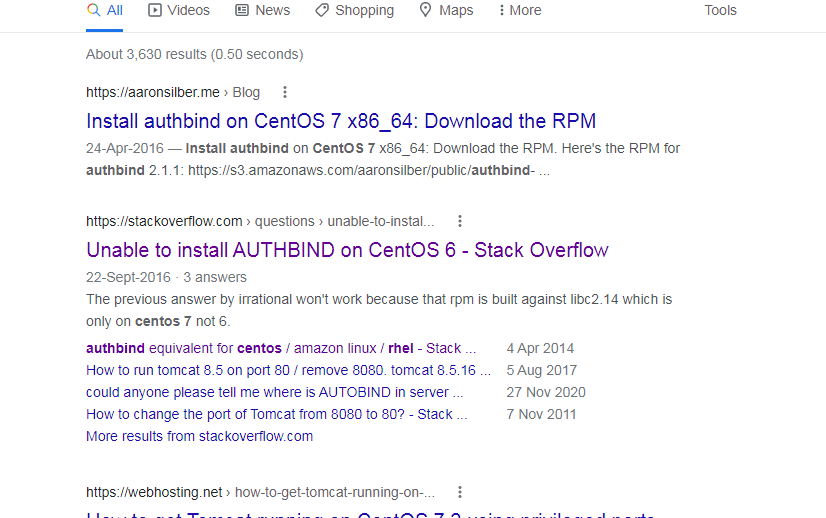
-----> cd /opt/tomcat9

---->vim conf/server.xml



to chage 80

then u install "authbind "packge

----> goto google search for "authbind download for cenos ---->open und

then open unable to install authbind

copy the below link and install with "yum r wget" which like



-----> yum install https://s3.amazonaws.com/aaronsilber/public/authbind-2.1.1-0.1.x86\_64.rpm

----> systemctl stop tomcat

----> touch /etc/authbind/byport/80

--->chmod 500 authbind/byport/80

---->chwon tomcat /etc/authbind/80

----> touch /etc/authbind/byport/443

--->chmod 500 authbind/byport/443

---->chwon tomcat /etc/authbind/443

---->systemctl daemon-reload

----> systemctl start tomcat

------->now browser it wiil open

