Course:Devops NAME:S.ANJANEYULU

Module:docker and docker hub [EMAILID:ANJISINGAM@103GMAIL.COM](mailto:EMAILID:ANJISINGAM@103GMAIL.COM) Topic:tomcat Assignment no.2

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BATCH NUMBER –116

Deploy in tomcat for dockerjenkin

create and launch two instances -

1.tomcat 2.jenkins

1.tomcat

sudo -i(convert to root user)

apt update -y

apt install maven -y

apt install openjdk-17-jdk -y

go to google search --> tomcat 9 dowmload --->tar.zp(copy this link)

Cd /opt

wget paste <https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.85/bin/apache-tomcat-9.0.85.tar.gz>

Tar –xvzf apache-tomcat-9.0.85.tar.gz

Ls

apache-tomcat-9.0.85 apache-tomcat-9.0.85.tar.gz

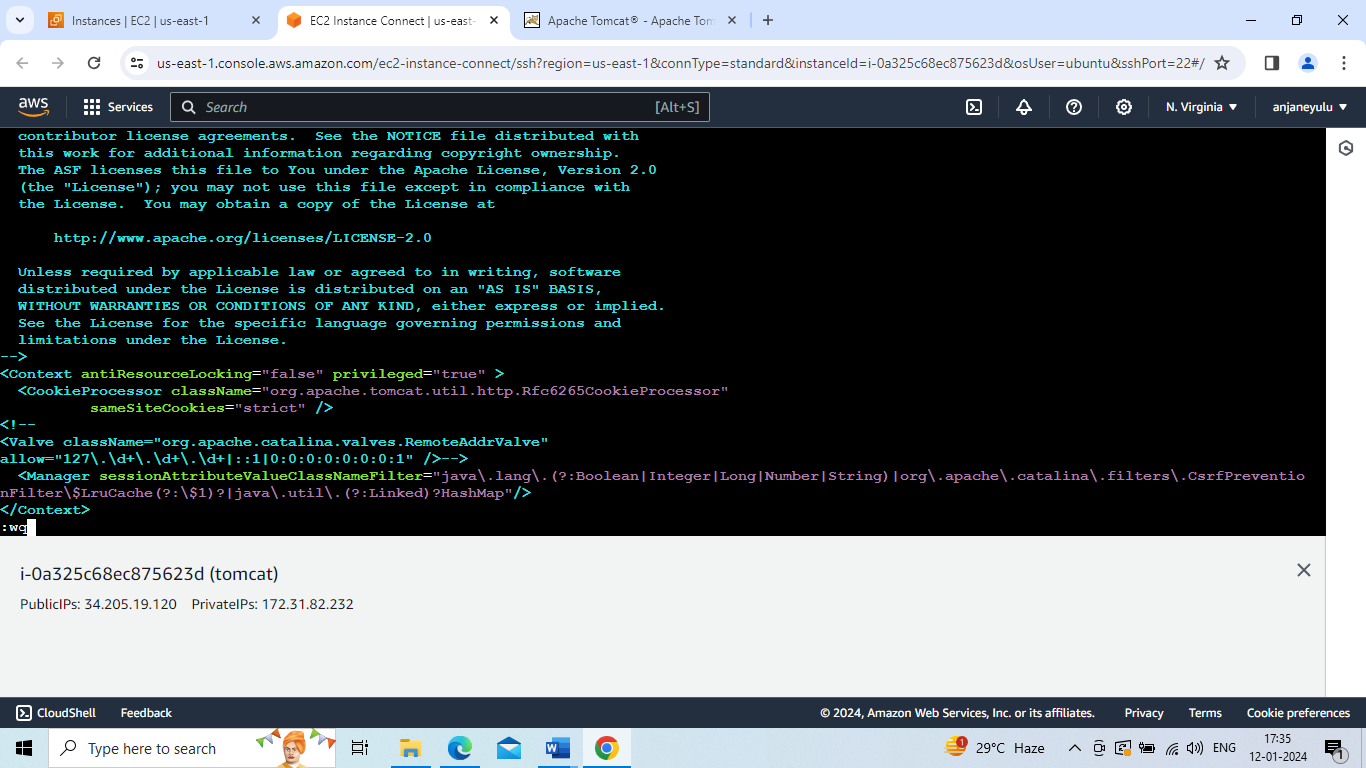
Mv apache-tomcat-9.0.85 tomcat

cd /opt/tomcat/webapps/host-manager/META-INF --->vi context.xml

<!--

vlave

allow >-->



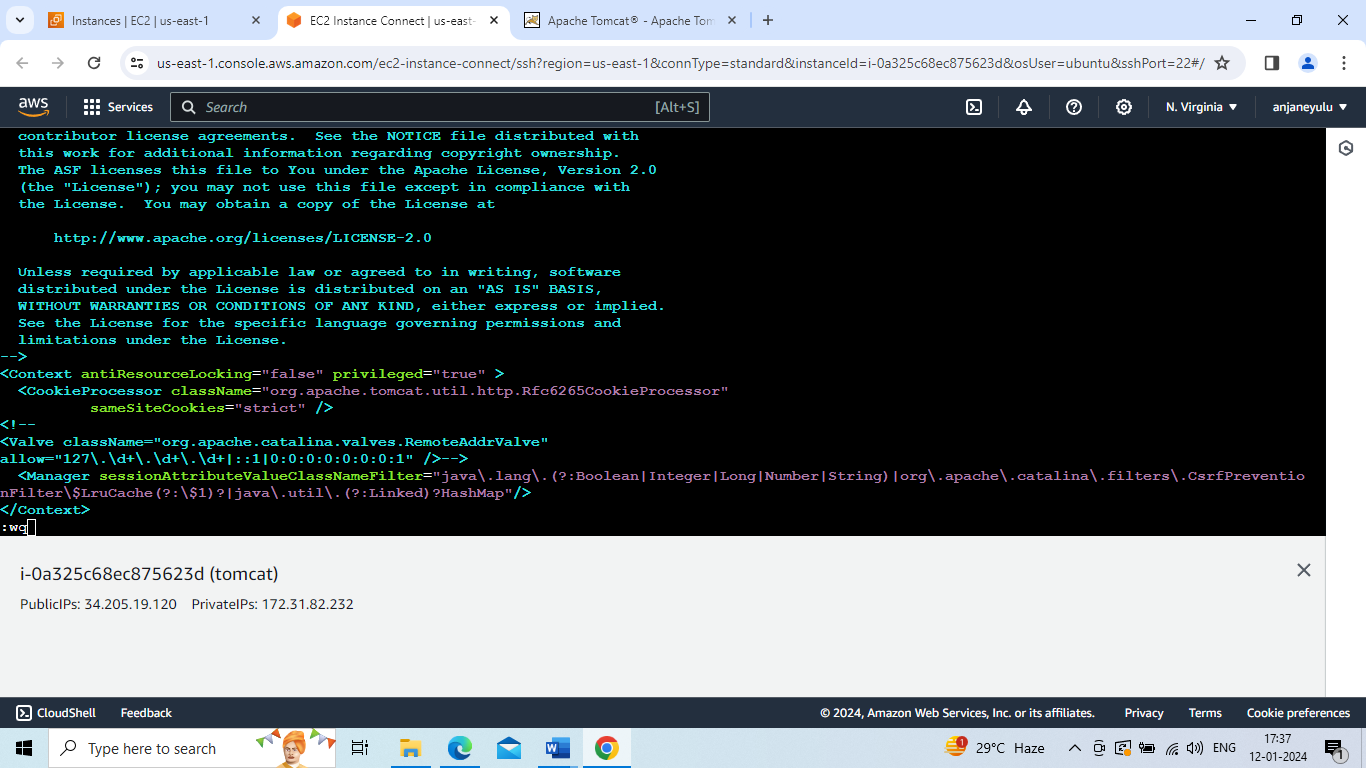
cd

cd /opt/tomcat/webapps/manager/META-INF --->vi context.xml

<!--

vlave

allow >-->



cd

cd /opt/tomcat/conf --->vi tomcat-users.xml

<role rolename="manager-gui"/>

<role rolename="manager-script"/>

<role rolename="manager-jmx"/>

<role rolename="manager-status"/>

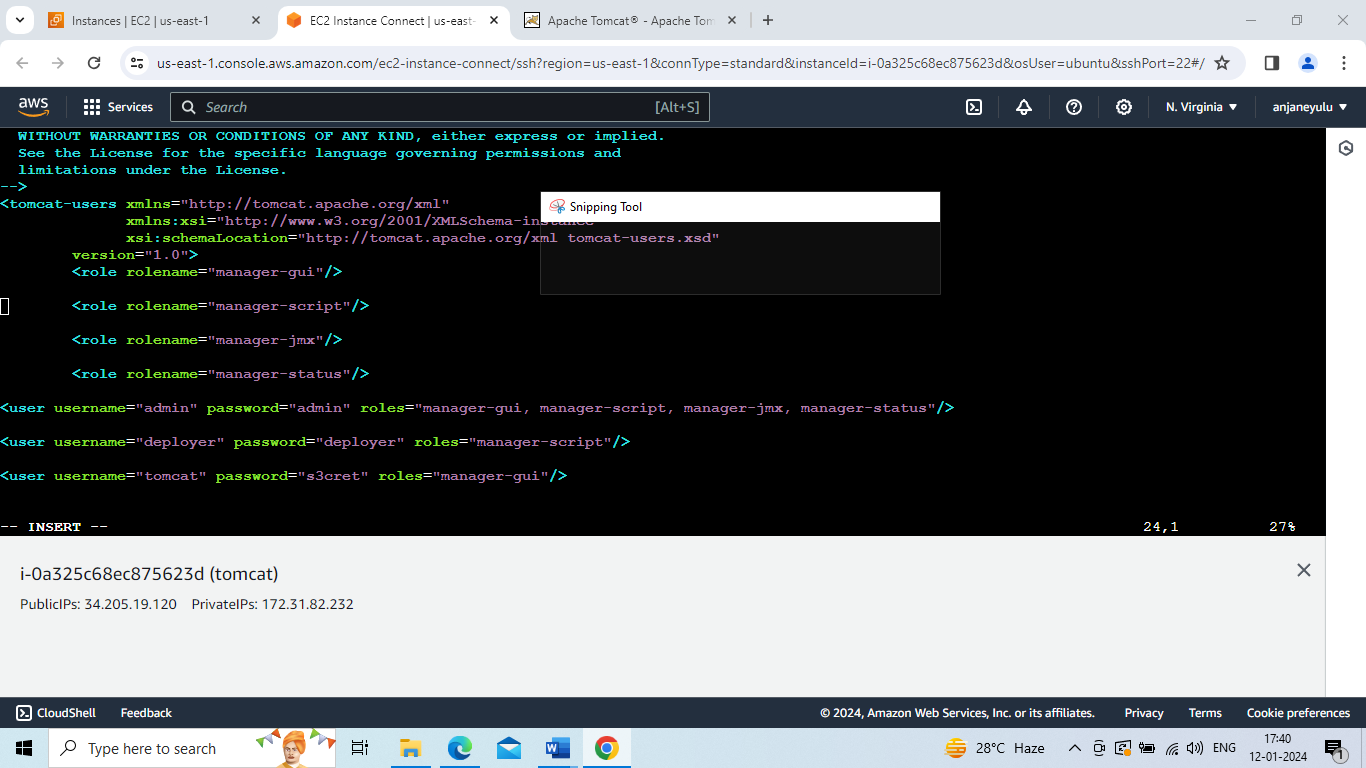
<user username="admin" password="admin" roles="manager-gui, manager-script, manager-jmx, manager-status"/>

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

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

Go to aws account --> security--> actions--> edit inbound rules--> add rule --> port number : 8080, custom tcp,

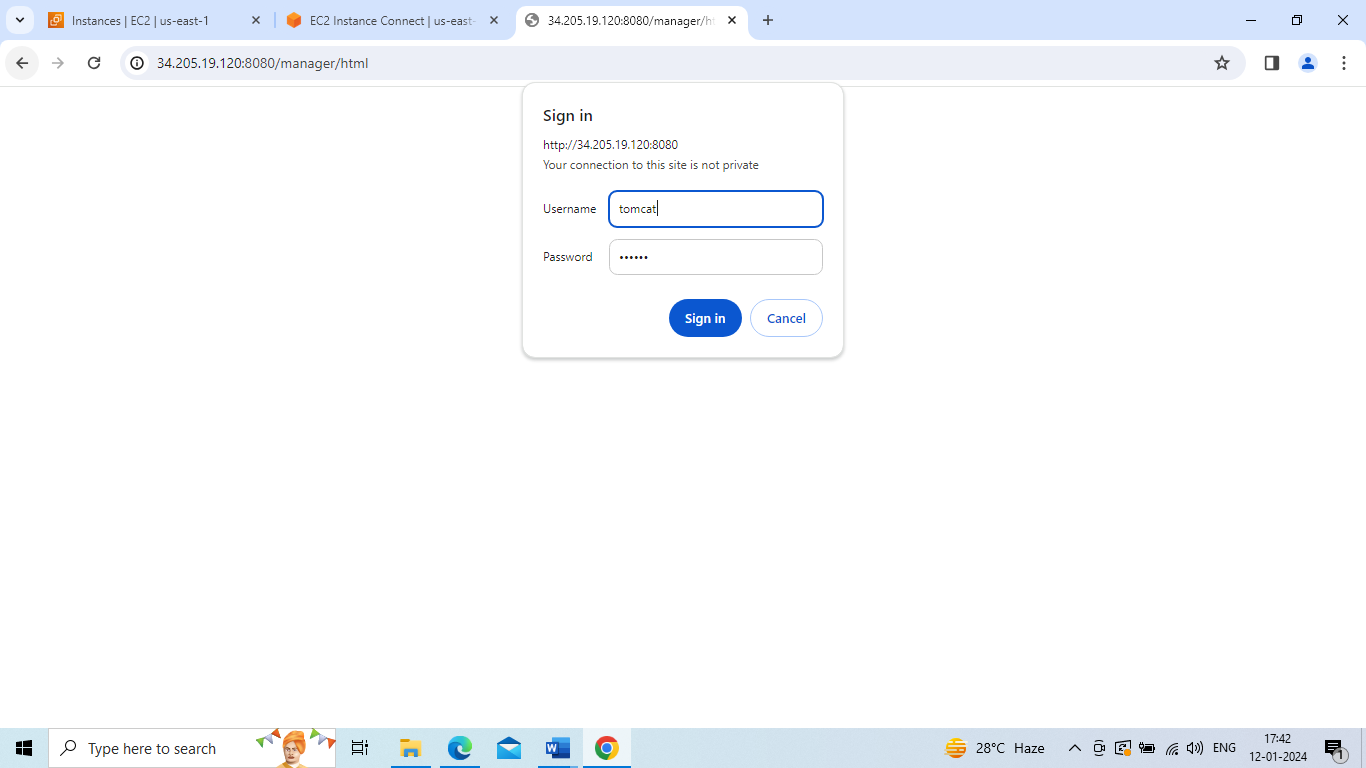
0.0.0.0/0 --> save rule

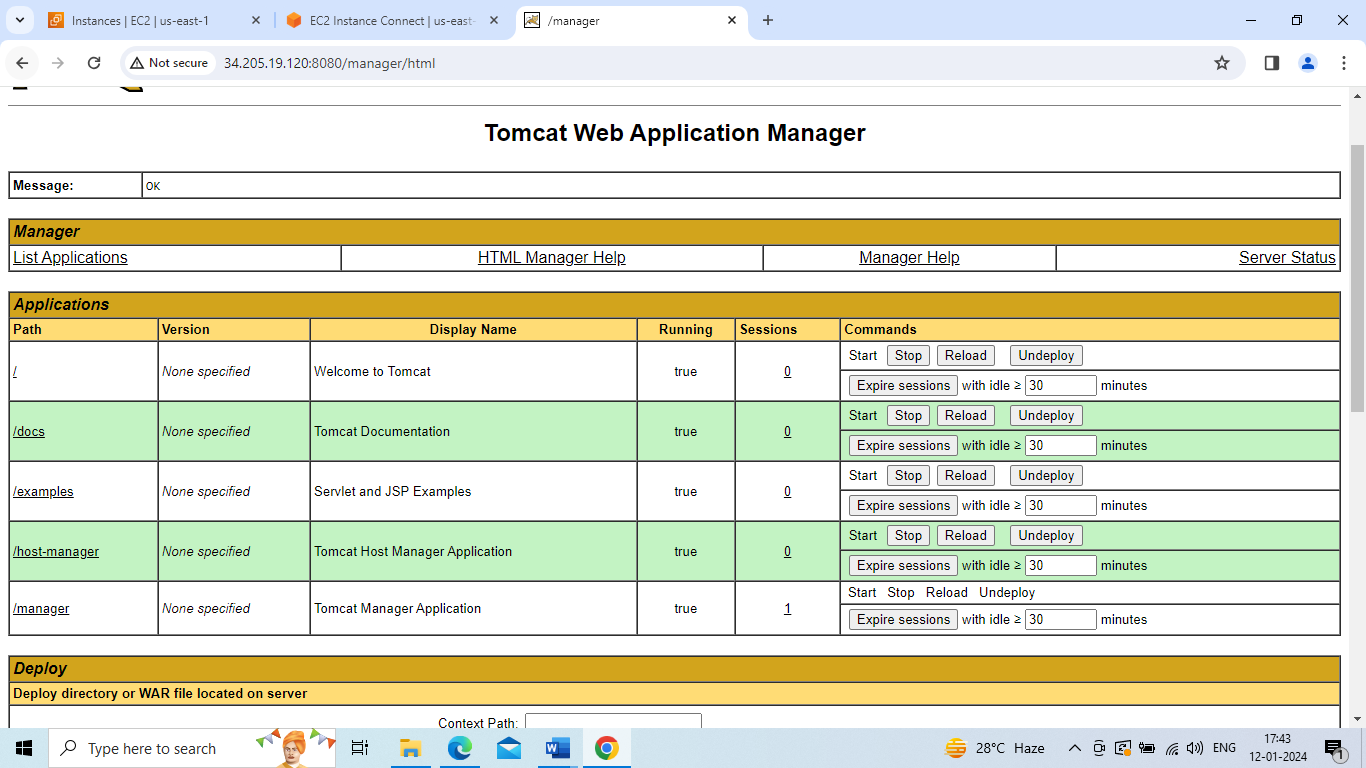


cd

cd /opt/tomcat/bin --> ./shutdown.sh --> ./startup.sh

Login to tomcat





2.jenkins

sudo -i(convert to root user)

apt update -y

apt install maven -y

apt install openjdk-17-jdk -y

sudo wget -O /usr/share/keyrings/jenkins-keyring.asc \

<https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key>

echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \

<https://pkg.jenkins.io/debian-stable> binary/ | sudo tee \

/etc/apt/sources.list.d/jenkins.list > /dev/null

sudo apt-get update

sudo apt-get install jenkins

go aws instance jenkins--> security-->actions--> edit inbound rules--> add rule --> port number : 8080, custom tcp,

0.0.0.0/0 --> save rule

copy and paste pubile IP of jenkins and port number 8080 --> press enter --> install and login to jenkins

manage jenkins -->plugin --> deploy to container -->install it

crate a new job with deploytaxibookingtotomcat --> freestyle -->ok

scm-->git --> paste link from github taxi-booking

branch -master(in what you have branch in github-taxi-booking that branch name only)

build step -->invoke maven target --> goals --> package

post build step --> deploy to container --> war/ear file -->\*\*/\*war--> tomcat 9x container -->tomcat url --> apply and save

build now

After completing build SUCCESS refresh tomcat web page then automatically dockerjenkin deploy success

