

Project

INSTALLING AND CONFIGURING APACHE TOMCAT SERVER ON LINUX



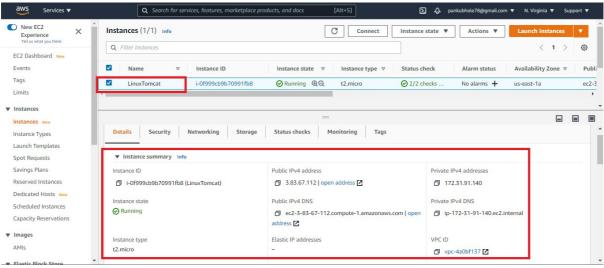
FEBRUARY 1, 2021

LetsUpgrad

Trainer Name: Mrs. Vinolin Jerimaha

1) Install java

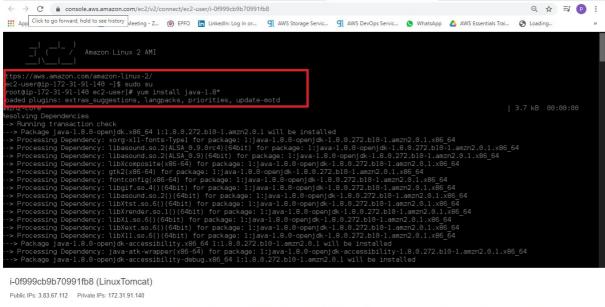
> yum install java-1.8*



In above screen Linux instance ip details is as follows,

Public IP	3.83.67.112
Private IP	172.31.91.140

Change the public ip when restart the instance current public ip is 3.92.226.29.



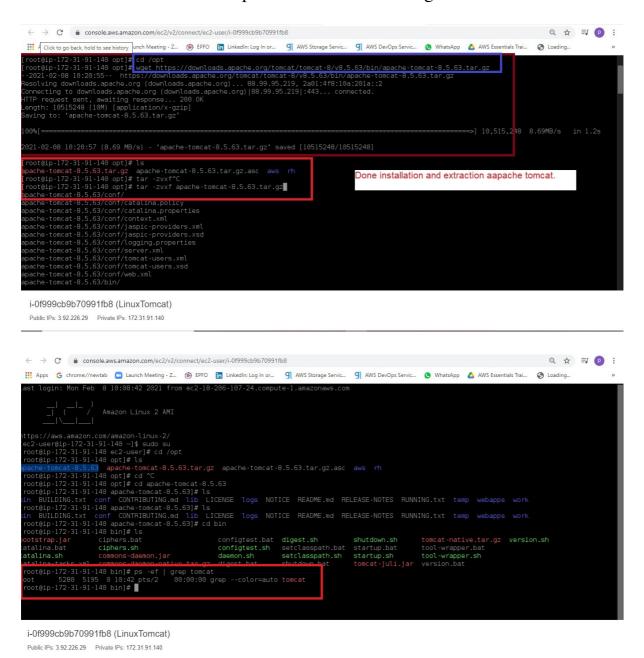
2. Install tomcat

> cd/opt

> wget

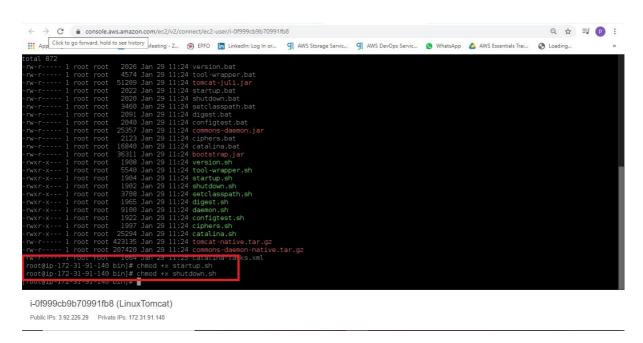
https://downlods.apache.org/tomcat/tomcat-8/v8.5.63/bin/apache-tomcat-8.5.63.tar.gz

> tar -zvxf apache-tomcat-8.5.63.tar.gz



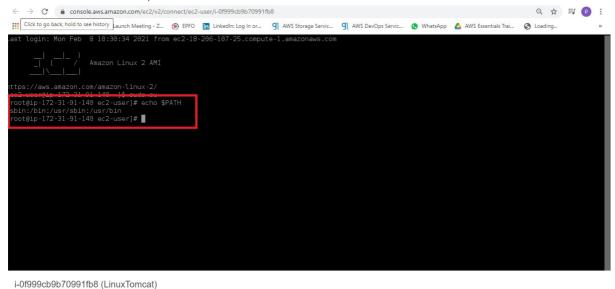
❖ Modify permissions for startup.sh and shutdown.sh

- > chmod +x startup.sh
- > chmod +x shutdown.sh

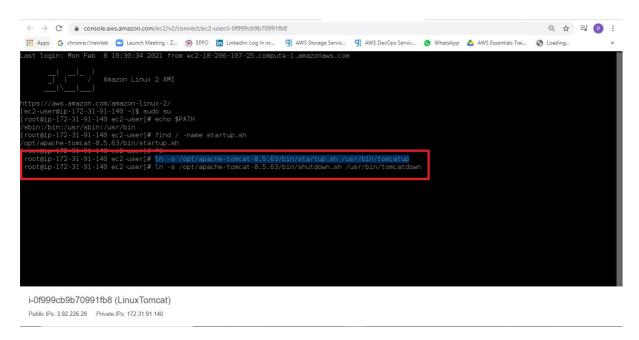


Create a soft link :

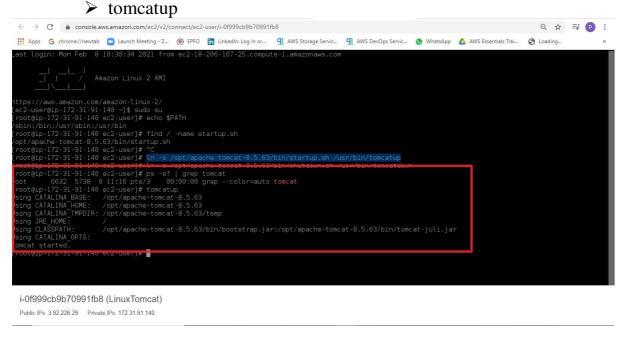
> echo \$ PATH



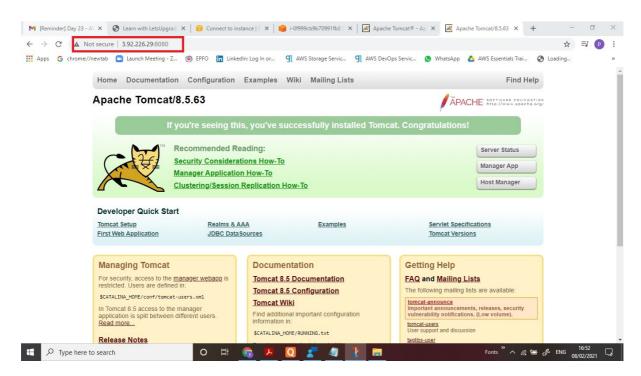
- Public IPs: 3.92.226.29 Private IPs: 172.31.91.140
 - ➤ ln -s /opt/apache-tomcat-8.5.63/bin/startup.sh /usr/bin/tomcatup.
 - ➤ ln -s /opt/apache-tomcat-8.5.63/bin/shutdown.sh /usr/bin/tomcatdown.



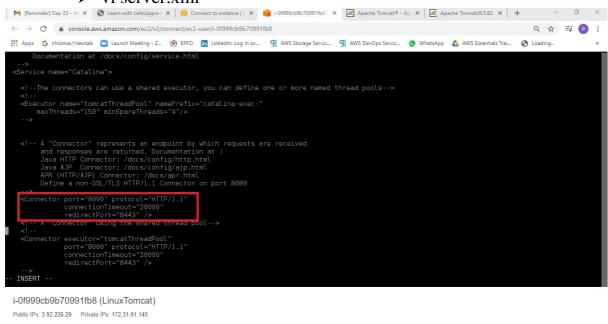
Using the following command for startup the tomcat apache machine



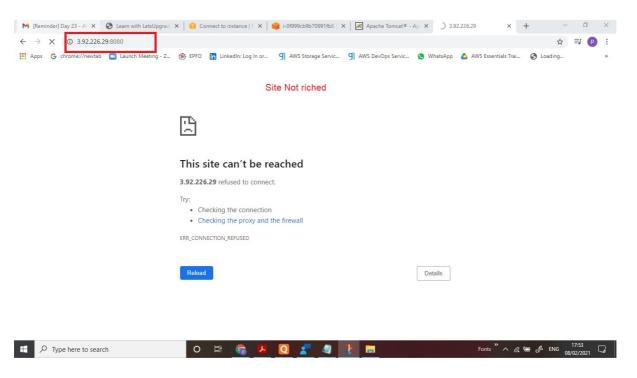
Now machine tomcat started and showing the result port no 8080. Using public ip for created the link is 3.92.226.29:8080.



- ❖ Change the port to 8090
 - > edit server.xml
 - ➤ vi server.xml

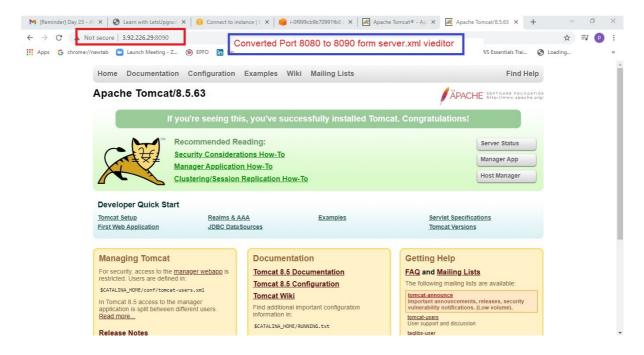


Now when user is using link is 3.92.226.29:8080 then system not showing result because we change the port 8080 to 8090 in VI editor above screen.



Check configuration in 8090.

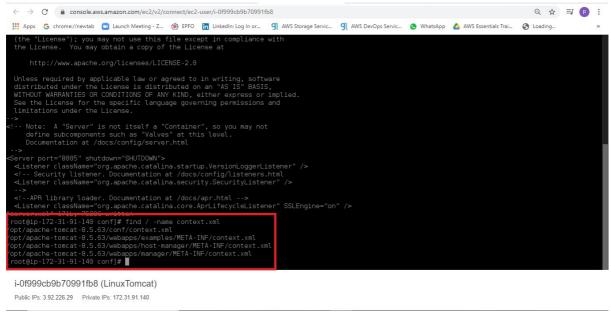
Now when user is using link is 3.92.226.29:80890 then system showing following result screen.



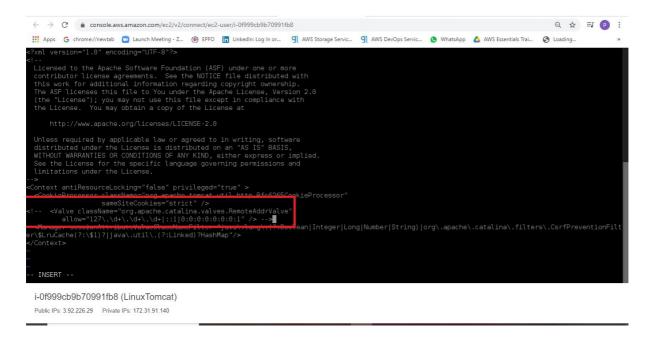
- Edit context.xml to allow manager apps access
- ❖ vi context.xml

In below screen use the find command for context.xml file.

Find / -name context.xml.



❖ Comment Valve: In this screen comment the selected Valve class name path.



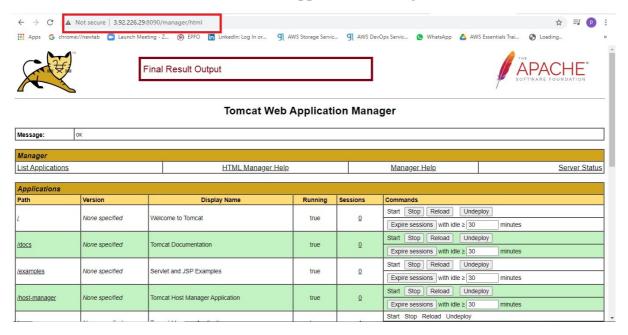
- ❖ Add users and roles to tomcat-users.xml.
 - > vi tomcat-users.xml

Open the VI editor tomcat users.xml and add on users roles in below screen.

❖ Add the following roles <role rolename="manager-gui"/> <role rolename="manager-script"/> <role rolename="manager-jmx"/> <role rolename="manager-status"/> <user username="admin" password="vino123"</pre> roles="manager-gui,manager-script,manager-jmx,manager-status"/> <user username="deployer" password="vino123" roles="manager-script"/> <user username="tomcat" password="<vino123>" roles="manager-gui"/> ← → C a console.aws.amazon.com/ec2/v2/connect/ec2-user/i-0f999cb9b70991fb8 Q ☆ ■ D : Apps 💪 chrome://newtab 📵 Launch Meeting - Z... 🔞 EPFO 🚡 Linkedin: Log In or... 🥞 (AWS Storage Servic... 🥞 (AWS DevOps Servic... 🔮 WhatsApp 🗴 AWS Essentials Trai... NOTE: The sample user and role entries below are intended for use with the examples web application. They are wrapped in a comment and thus are ignored when reading this file. If you wish to configure these users for use with the examples web application, do not forget to remove the <1...> that surrounds them You will also mond to get the necessingle to commutation appears to -users.xml<role rolename="manager.gui"/>
rolename="manager-gui"/>
rolename="manager-script"/>
rolename="manager-jmx"/> rolename="manager-status"/>
rolename="manager-status"/>
username="admin" password="vinol23" roles="manager-gui,manager-script,manager-jmx,manager-status"/>
username="doployer" password="vinol23" roles="manager-script"/>
username="tomcat" password="vinol23" roles="manager-gui"/> omcat-users.xml" 53L, 2583C written oot@ip-172-31-91-140 conf]# 📕

i-0f999cb9b70991fb8 (LinuxTomcat)

❖ Give a restart and check for web application manager



Public IP	3.92.226.29
Private IP	172.31.91.140
Link	3.92.226.29:8090

Changed the Public ip but same as Private Ip every screen and verify the output.

End of Project