Tomcat installation

sudo apt-get update

sudo apt-get install default-jdk

sudo useradd tomcat

cd /tmp

sudo wget <https://mirrors.estointernet.in/apache/tomcat/tomcat-8/v8.5.78/bin/apache-tomcat-8.5.78.tar.gz>

sudo mkdir /opt/tomcat

sudo tar -xvf apache-tomcat-8.5.78.tar.gz

sudo cp -R apache-tomcat-8.5.78/\* /opt/tomcat

sudo chgrp -R tomcat /opt/tomcat

sudo chmod -R g+r conf

sudo chmod g+x conf

sudo chown -R tomcat webapps/ work/ temp/ logs/

sudo update-java-alternatives -l

sudo vi /etc/systemd/system/tomcat.service

[Unit]

Description=Apache Tomcat Web Application Container

After=network.target

[Service]

Type=forking

Environment=JAVA\_HOME=/usr/lib/jvm/java-1.11.0-openjdk-amd64

Environment=CATALINA\_PID=/opt/tomcat/temp/tomcat.pid

Environment=CATALINA\_HOME=/opt/tomcat

Environment=CATALINA\_BASE=/opt/tomcat

Environment='CATALINA\_OPTS=-Xms512M -Xmx1024M -server -XX:+UseParallelGC'

Environment='JAVA\_OPTS=-Djava.awt.headless=true -Djava.security.egd=file:/dev/./urandom'

ExecStart=/opt/tomcat/bin/startup.sh

ExecStop=/opt/tomcat/bin/shutdown.sh

User=tomcat

Group=tomcat

UMask=0007

RestartSec=10

Restart=always

[Install]

WantedBy=multi-user.target

sudo systemctl daemon-reload

sudo systemctl start tomcat

sudo systemctl status tomcat

sudo ufw allow 8080

sudo systemctl enable tomcat

swith to root sudo su

chmod +x /opt/tomcat/bin/\*.sh

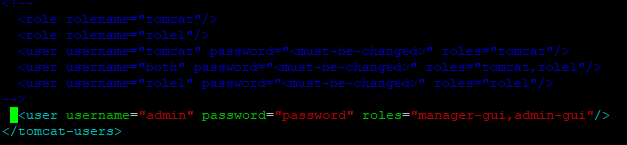
vi /opt/tomcat/conf/tomcat-users.xml

<role rolename="manager-gui" />

<user username="manager" password="manager\_password" roles="manager-gui" />

<role rolename="admin-gui" />

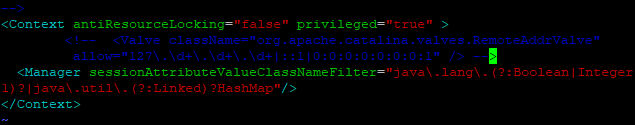
<user username="admin" password="admin\_password" roles="manager-gui,admin-gui" />



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

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

made below changes in both files



systemctl restart tomcat

Reverse proxy setup

sudo apt-get install nginx –y

sudo vi /etc/nginx/sites-avilable/tomcat.conf

upstream tomcat {

server 127.0.0.1:8080 weight=100 max\_fails=5 fail\_timeout=5;

}

server {

listen 80;

server\_name 18.221.16.237;

location / {

proxy\_set\_header X-Forwarded-Host 18.221.16.237;

proxy\_set\_header X-Forwarded-Server 18.221.16.237;

proxy\_set\_header X-Forwarded-For $proxy\_add\_x\_forwarded\_for;

proxy\_pass http://18.221.16.237:8080/;

}

}

sudo ln –s /etc/nginx/sites-avilable/tomcat.conf /etc/nginx/sites-enabled/

sudo systemctl restart nginx