**UNIX/LINUX**

**Nginx Installation on Linux EC2:**

sudo amazon-linux-extras install nginx1

sudo service nginx status

sudo chkconfig nginx on

check version:

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check by using ===> nginx -v (or) nginx -V

sudo service nginx restart

check:

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Then open browser and enter "http://instance-ip:80". you will see Welcome to nginx! message

**Apache web-server Installation in Linux:**

#!/bin/bash

sudo su

yum update -y

yum install httpd -y

service httpd start

service httpd on

**Tomcat server Installation steps in Linux EC2:**

step 0 : frist we need to install "java" in EC2.

yum update -y

yum install java -y

step 1 : login into EC2.

step 2 : go to this link **https://tomcat.apache.org/download-90.cgi**

select the version and copy the "tar.gz(pgp,sha512)"

step 3 : cd /opt

step 4 : wget https://downloads.apache.org/tomcat/tomcat-9/v9.0.46/bin/apache-tomcat-9.0.46.tar.gz

incase wget command not found install wget ==> yum install wget -y

step 5 : unzip by using "tar -xvzf apache-tomcat-9.0.46.tar.gz"

step 6 : cd apache-tomcat-9.0.46/

step 7 : cd bin

step 8 : To start the Tomcat use "./startup.sh"

check tomcat runing or not "http://instance-ip:8080/"

step 9 : you'll need to edit the Manager's context.xml file.

to find "context.xml" where available**===> find / -name context.xml**

we need to edit /opt/apache-tomcat-9.0.46/webapps/host-manager/META-INF/context.xml

/opt/apache-tomcat-9.0.46/webapps/manager/META-INF/context.xml

**comment it:**

<!-- <Valve className="org.apache.catalina.valves.RemoteAddrValve"

allow="127\.\d+\.\d+\.\d+|::1|0:0:0:0:0:0:0:1" /> -->

step 10 : any changes in Tomcat configuration we need to shutdown and restart.

./shutdown.sh

step 11 : ./startup.sh

step 12 : we need to enter user credenticals in "Conf"

**cd /opt/apache-tomcat-9.0.46/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="tomcat" roles="manager-gui"/>

step 13 : cd ..

cd bin

./shutdown.sh

./startup.sh

step 14 : change port 8080 to 8090

**cd /opt/apache-tomcat-9.0.46/conf**

**vi server.xml**

<Connector port="8090" protocol="HTTP/1.1"

connectionTimeout="20000"

redirectPort="8443" />

cd ..

cd bin

./shutdown.sh

./startup.sh