**Installations-Quick reckoner**

After creating the instance and connected with MobaXterm or EC2 instance connect

yum update

1. Install git

sudo yum install git

1. Install jdk -17

// search for java 17 Ec2

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

// Set Environment variables

in .bashrc of ec2-user and root

export JAVA\_HOME=/usr/lib/jvm/java-17-amazon-corretto

source .bashrc

1. Install Tomcat

sudo su

wget the tar.gz archive in /opt

// Search for Apache tomcat 9 tar

wget <https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.91/bin/apache-tomcat-9.0.91.tar.gz>

tar -xvzf apache-tomcat-9.0.01.tar.az

mv apache-tomcat-9.0.01 tomcat

ln -s /opt/tomcat/bin startup.sh /usr/bin/tomcat-start

ln -s /opt/tomcat/bin shutdown.sh /usr/bin/tomcat-stop

Search for context.xml in tomcat.

In ../manager/../context.xml and in ../manager/../context.xml comment the following

<Context>

<!—

…

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

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

…

-->

</Context>

In conf/tocat-users.xml

<role rolename=”manager-gui”/>

<role rolename=”manager-script”/>

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

<user username=”admin” password="tomcat” roles =”manager-script”/>

Test the Tomcat installation with http://<publicip>:8080

1. Install maven

sudo su

Get the maven repository into /opt

wget <https://dlcdn.apache.org/maven/maven-3/3.9.8/binaries/apache-maven-3.9.8-bin.tar.gz>

tar -zxvf apache-maven-3.9.8-bin.tar.gz

mv apache-maven-3.9.8 maven

check maven version /opt/maven/bin/mvn -v

In .bashrc of ex2-user and root

export M2\_HOME=/opt/maven

export M2=/opt/maven/bin

export PATH=$PATH:$M2

source .bashrc

create a application directory

mvn archetype:generate -DgroupId=com.example -DartifactId=sample-webapp -DarchetypeArtifactId=maven-archetype-webapp -DinteractiveMode=false

cd sample-webapp

Build it

mvn package

sudo su

cp ./target/sample-webapp.war /opt/tomcat/webapps

Test it from http://<publicip>:8080/sample-webapp