**Step by Step guide to install Apache Tomcat on Amazon Linux**

[](https://user-images.githubusercontent.com/119833411/241388181-f7114c28-8bd7-4b06-8911-4cb483b7a469.jpg)

**Prerequisites:**

* Amazon Linux Machine with a minimum of 1GB RAM. It will be sufficent to do A proof of concept (POC).
* Open Port.No: 8080 in EC2-security group.

**Install Java.**

sudo su -

amazon-linux-extras install java-openjdk11=latest -y

version of java to be installed dependes up on tomcat version: <https://tomcat.apache.org/whichversion.html>

**Download Tomcat Binary file.**

tomcat-10 download page: <https://tomcat.apache.org/download-10.cgi>

# Become a root

sudo su -

cd /opt

wget https://dlcdn.apache.org/tomcat/tomcat-10/v10.1.9/bin/apache-tomcat-10.1.9.tar.gz

# unzip tomcat binary

tar -xvzf apache-tomcat-10.1.9

# Rename for simplicity

mv apache-tomcat-10.1.9 tomcat

**Create a tomcat user.**

its not a good practice to run tomcat using root user.

# Become a root,no need to execute this cmd if your already root user.

sudo su -

# create a tomcat user

adduser tomcat

# create a password for tomcat user

passwd tomcat

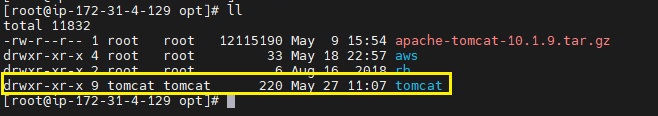
# enter the New password then Retype new password, you should see passwd: all authentication tokens updated successfully.

**Now change the ownership of /opt/tomcat file from root to tomcat being a root user.**

# Become a root, no need to execute this cmd if your already root user.

sudo su -

chown -R tomcat:tomcat /opt/tomcat

[](https://user-images.githubusercontent.com/119833411/241390867-eaff65ca-b903-4a1f-8011-0b90ead9213e.jpg)

**Now switch to tomcat user and make following changes.**

su - tomcat

cd /opt/tomcat

# Create a tomcat user and assign manager-gui, manager-script ,manager-jmx, manager-status roles.

vi conf/tomcat-users.xml

# Add the below line before tomcat-users-tag.

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

</tomcat-users>

press Esc

:wq

[12](https://user-images.githubusercontent.com/119833411/241391537-6601999f-5c4d-4bfc-a3b7-d759cd2a4397.jpg)

# enter the below command in tomcat directory.

find . -name context.xml

# you will see the following lines.

./conf/context.xml

./webapps/docs/META-INF/context.xml

./webapps/examples/META-INF/context.xml

./webapps/host-manager/META-INF/context.xml

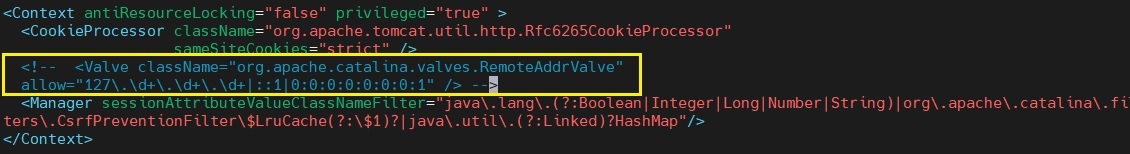
./webapps/manager/META-INF/context.xml

#comment value tag sections in below all files

vi ./webapps/examples/META-INF/context.xml

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

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

[](https://user-images.githubusercontent.com/119833411/241392098-2ef70cfd-4645-4f7c-b60c-141f78454358.jpg)

**In tomcat-10 Execute Permission are already present to catalina.sh, startup.sh & shutdown.sh**

if your going with tomcat-9 or others give execute Permission.

# Go to bin directory.

cd /opt/tomcat/bin

chmod +x catalina.sh startup.sh shutdown.sh

**Create a link files for Tomcat Server up and Down.**

ln -s /opt/apache-tomcat-9.0.55/bin/startup.sh /usr/local/bin/tomcatup

ln -s /opt/apache-tomcat-9.0.55/bin/shutdown.sh /usr/local/bin/tomcatdown

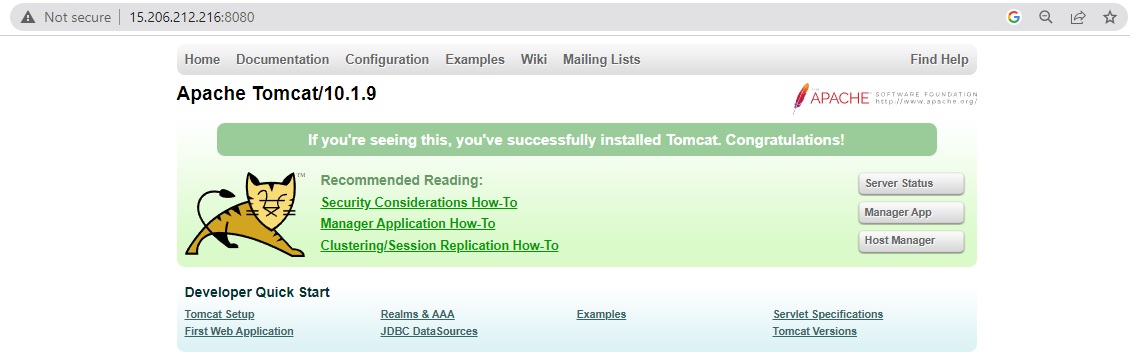
# Now start the tomcat.

tomcatup

**Now access the tomcat by web-browser.**

open a new tab and enter [http://Public](http://public/) IPv4 address:8080/

**you should see tomcat page.**

[](https://user-images.githubusercontent.com/119833411/241392947-688e9545-db12-4f3e-8c57-e97e40520a50.jpg)

**You can access Server Status, Manager App and Host Manager by entering tomcat username and password.**

# if you have changed it use what you have used in tomcat-users.xml file.

username="sampath"

password="sampath"