# Prerequisite

## I. Prepare Tomcat

root@mahidul:~# wget https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.65/bin/apache-tomcat-9.0.65.tar.gz

root@mahidul:~# tar -zxvf apache-tomcat-9.0.65.tar.gz -C /usr/share/

root@mahidul:~# vim /usr/share/apache-tomcat-9.0.65/conf/tomcat-users.xml

<role rolename="manager-gui"/>

<role rolename="manager-script"/>

<user username="tomcat" password="123456" roles="manager-gui,manager-script"/>

root@mahidul:~# vim /usr/share/apache-tomcat-9.0.65/webapps/manager/META-INF/context.xml

<Context antiResourceLocking="false" privileged="true" >

<!--

<CookieProcessor className="org.apache.tomcat.util.http.Rfc6265CookieProcessor"

sameSiteCookies="strict" />

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

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

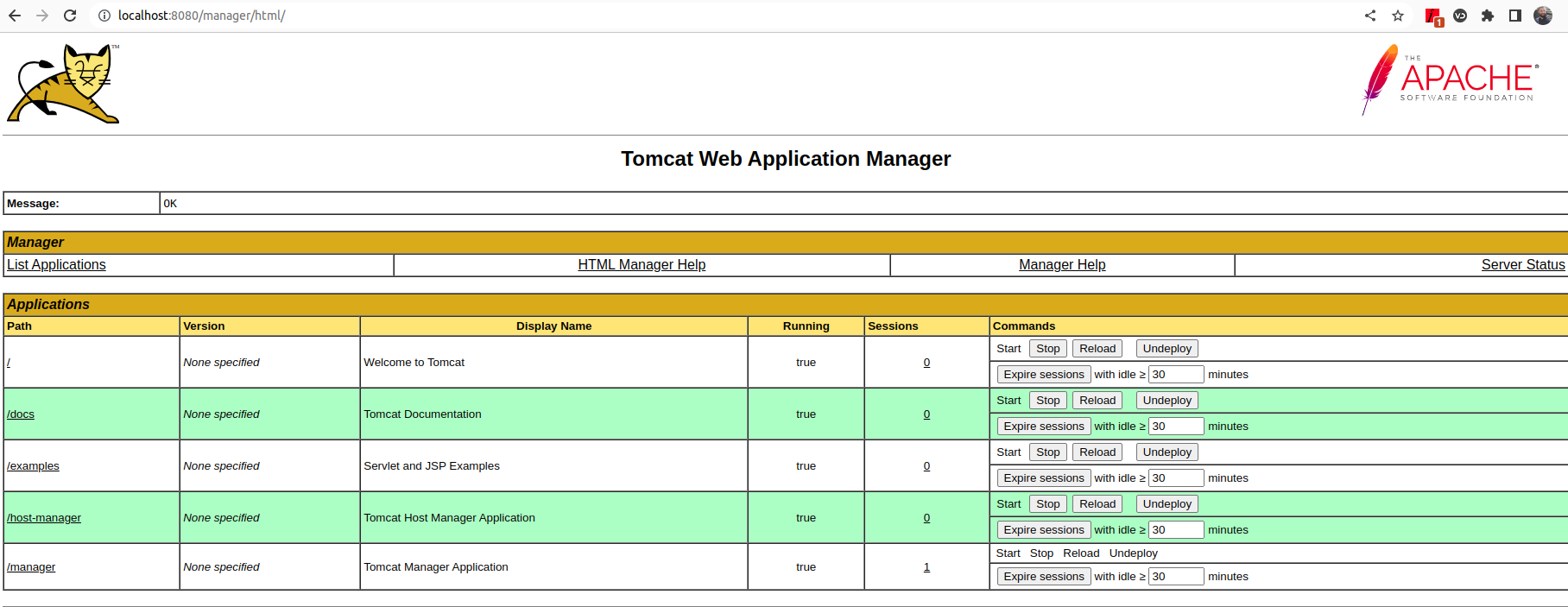
<Manager sessionAttributeValueClassNameFilter="java\.lang\.(?:Boolean|Integer|Long|Number|String)|org\.apache\.catalina\.filters\.CsrfPreventionFilter\$LruCache(?:\$1)?|java\.util\.(?:Linked)?HashMap"/>

-->

</Context>

root@mahidul:~# sh /usr/share/apache-tomcat-9.0.65/bin/startup.sh

root@mahidul:~# tail -f /usr/share/apache-tomcat-9.0.65/logs/catalina.out



## II. Prepare Maven

1, Download maven from

<https://maven.apache.org/download.cgi>

2. Install maven

root@mahidul:~# tar -zxvf apache-maven-3.8.6.tar.gz -C /usr/share/

3. Set home path for maven

root@mahidul:~# echo 'export M2\_HOME=/usr/share/apache-maven-3.8.6' >> ~/.bashrc

root@mahidul:~# export M2\_HOME=/usr/share/apache-maven-3.8.6

root@mahidul:~# echo 'export PATH=${M2\_HOME}/bin:${PATH}' >> ~/.bashrc

root@mahidul:~# export PATH=${M2\_HOME}/bin:${PATH}

4. Check maven status

root@mahidul:~# mvn --version

Apache Maven 3.8.6 (84538c9988a25aec085021c365c560670ad80f63)

Maven home: /usr/share/apache-maven-3.8.6

Java version: 11.0.16, vendor: Ubuntu, runtime: /usr/lib/jvm/java-11-openjdk-amd64

Default locale: en\_US, platform encoding: UTF-8

OS name: "linux", version: "5.15.0-47-generic", arch: "amd64", family: "unix"

## III. Prepare GIT

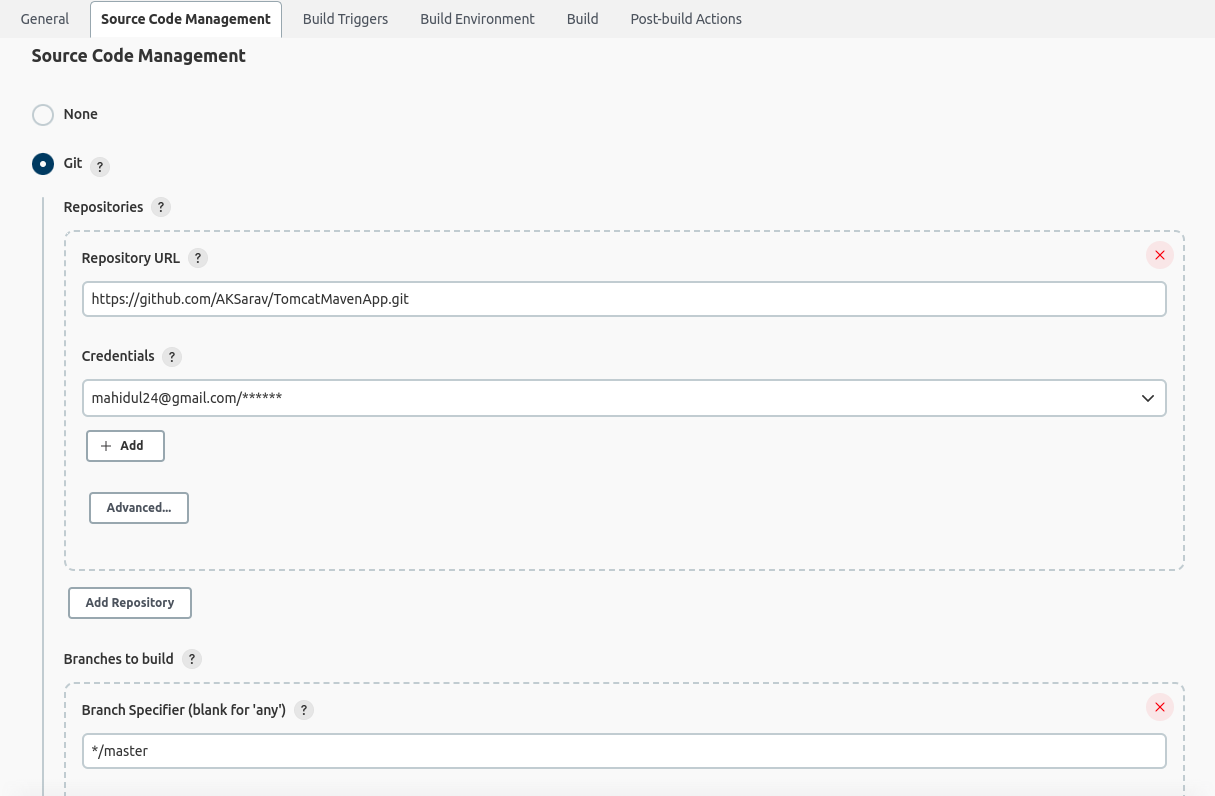
root@mahidul:~# apt install git

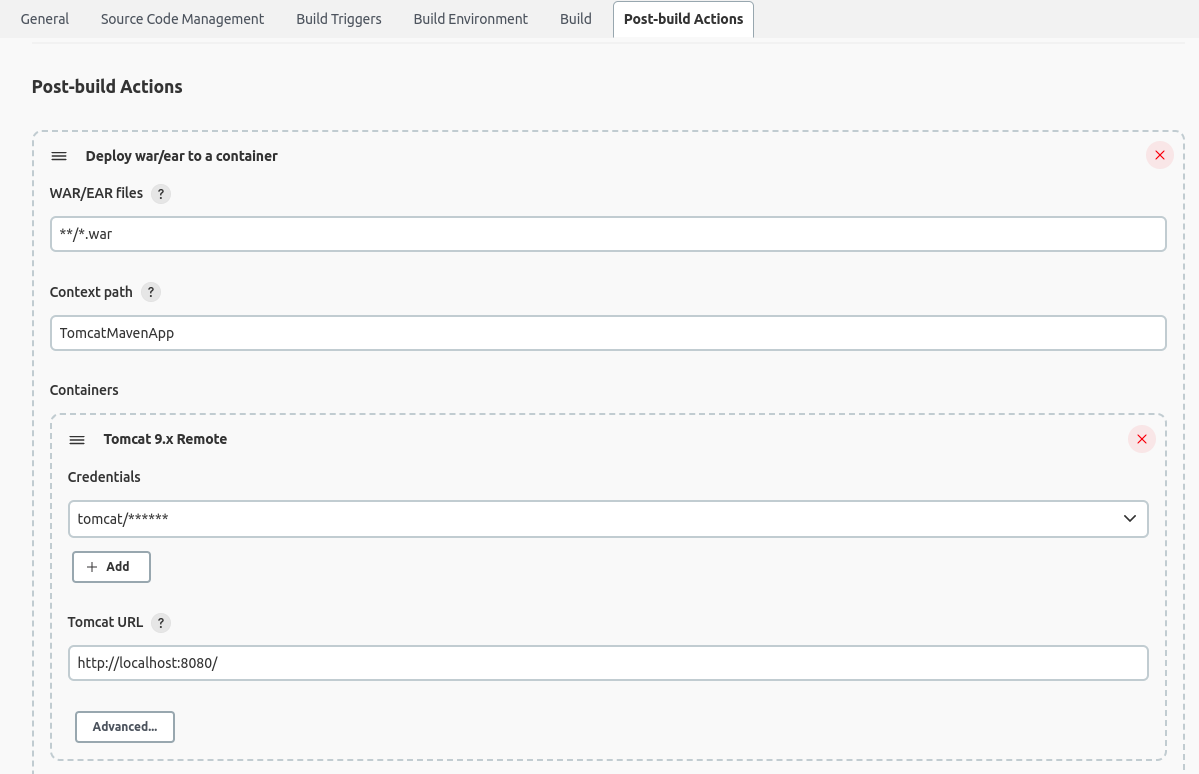
root@mahidul:~# git --version

git version 2.34.1

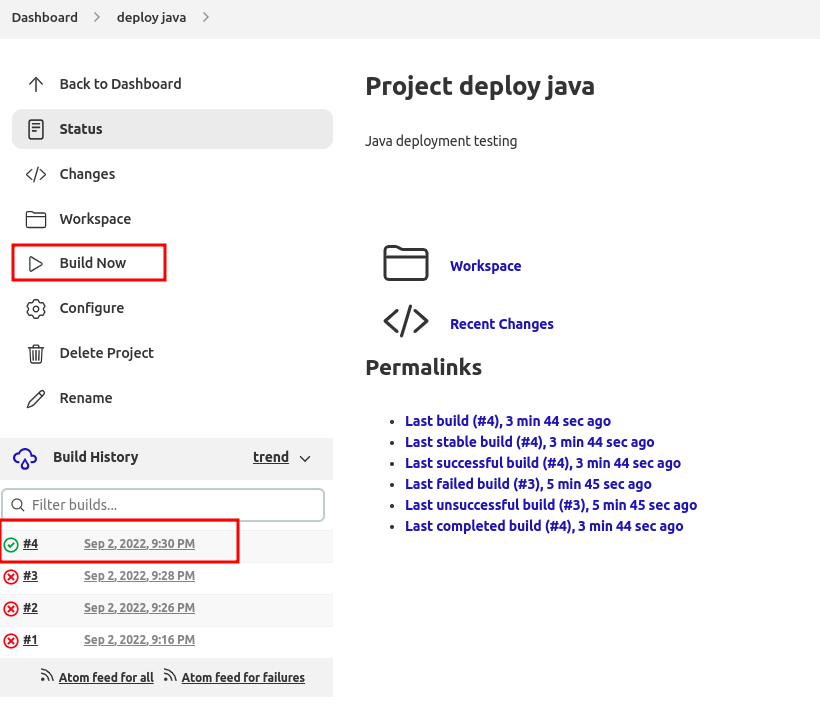
# Prepare Jenkins

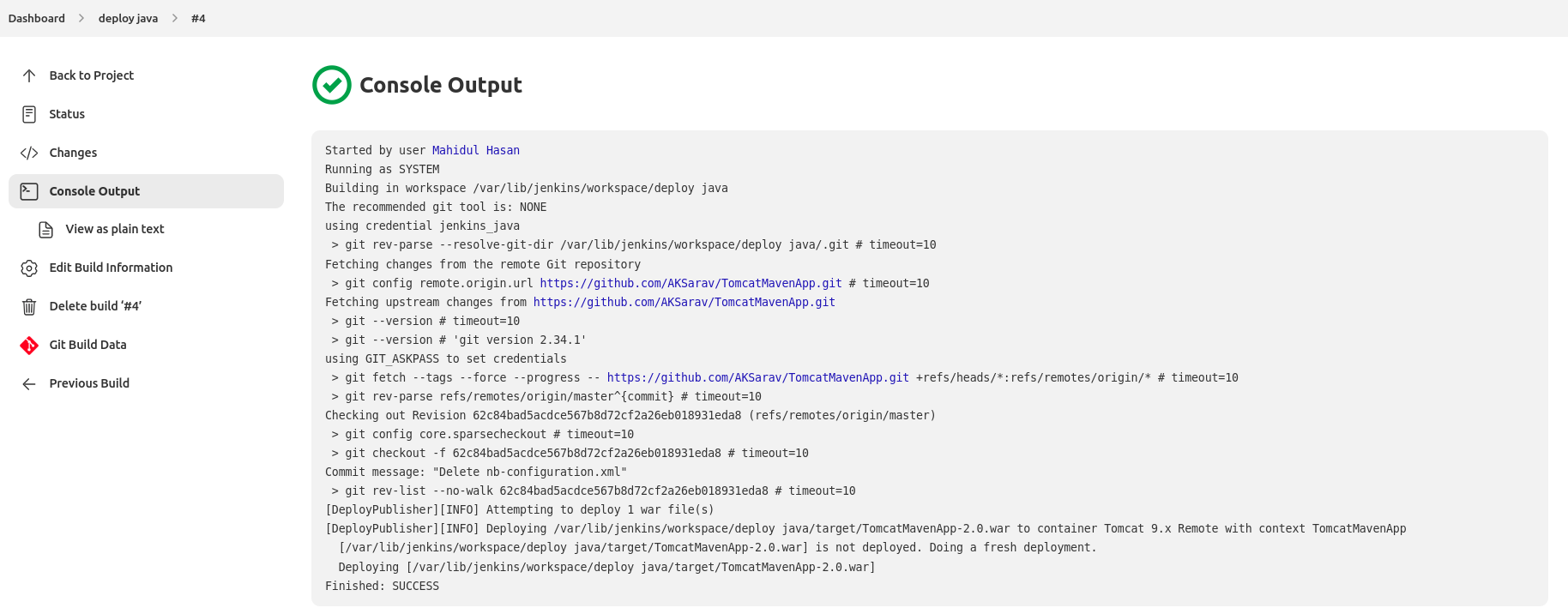
1. Setup git repository access. Please note github web password will not work. You have to create a token password for it.





# Prepare Deploy





# Testing

http://localhost:8080/TomcatMavenApp/

# 

# Reference

https://www.middlewareinventory.com/blog/jenkins-tomcat-deploy-deploying-application-tomcat-using-jenkins/