

GitHub - Jenkins - Tomcat

Jenkins to Tomcat (Internal tomcat)

Plugin required

Deploy to container
Git

Release Jenkins on EC2
or install Jenkins on EC2 then install tomcat on Jenkins server under "/opt"
In tomcat Tomcat > bin > webapps > " create new folder" RRR
cd RRR

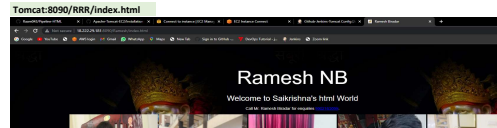
Jenkins : 8080
Tomcat: 8090

To view the results ==>

Create Freestyle project
SCM => GIT
Paste repository url
<https://github.com/Raam043/Pipeline-HTML.git>

Use Build steps = ("Shell Executive")
`cp /var/lib/Jenkins/workspace/GitHub-Jenkins-Tomcat/* /opt/apache-tomcat-9.0.65/webapps/RRR`

In Tomcat server (\$RRR):
chmod 777 -R /opt/apache-tomcat-9.0.65 OR chown -R ec2-user:ec2-user /opt
Give the permission to copy the workspace to RRR folder



Jenkins to Tomcat (External tomcat)

Plugin required

Deploy to container
Git

Install the JAVA and Maven in Jenkins server
make the Path as per shown below

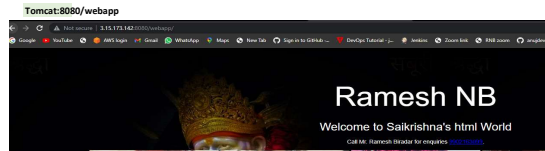
```
# .bash_profile

# Get the aliases and functions
if [ -f ~/.bashrc ]; then
    . ~/.bashrc
fi

# User specific environment and startup programs
JAVA_HOME=/usr/lib/jvm/java-11-openjdk-11.0.16.0.8-1.amzn2.0.1.x86_64
M2_HOME=/opt/maven/apache-maven-3.8.6
M2=$M2_HOME/bin

PATH=$PATH:$JAVA_HOME:$M2_HOME:$HOME/bin
export PATH
```

Create the roles in tomcat for deploying the application by Jenkins using credentials



Jenkins tool configurations

JDK	Maven
JDK installations List of JDK installations on this system	Maven installations List of Maven installations on this system
<div><div>Add JDK</div></div>	<div><div>Add Maven</div></div>
<div><div>JDK</div><div>Name</div><div>java</div></div>	<div><div>Maven</div><div>Name</div><div>Maven</div></div>
<div><div>JAVA_HOME</div><div>/usr/lib/jvm/java-11-openjdk-11.0.16.0.8-1.amzn2.0.1.x86_64</div></div>	<div><div>MAVEN_HOME</div><div>/opt/maven/apache-maven-3.8.6</div></div>
<div><div><input type="checkbox"/> Install automatically</div></div>	<div><div><input type="checkbox"/> Install automatically</div></div>

Project - pipeline

Source Code Management

Repository

Repository URL

<https://github.com/Raam043/CCD-Git-Jenkins-Tomcat.git>

Credentials

none

Add

Advanced...

Add Repository

Branches to build

Branch Specifier (blank for 'any')

*/main

Build

Root POM

pom.xml

Goals and options

clean install package

Advanced...

Post-build Actions

Deploy war/ear to a container

WAR/EAR files

**/*.war

Context path

Containers

Tomcat 9.x Remote

Credentials

ramesh/* (Tomcat-ramesh2)

+ Add

Tomcat URL

http://3.15.173.142:8080/

Advanced...

Add Container

