

Task

Install necessary deployment plugins (depends on deployment implementation and can be optional)

Deploy to container Plugin			
<input checked="" type="checkbox"/>	This plugin allows you to deploy a war to a container after a successful build. Glassfish 3.x remote deployment	1.16	Uninstall
SSH2 Easy Plugin			
<input checked="" type="checkbox"/>	This plugin allows you to ssh2 remote server to execute linux commands , shell , sftp upload, download etc	1.4	Uninstall

Install Tomcat on deployment server

Create script for deploying project to Tomcat server. Script should backup current installation, move current backup to old and remove old backup.

Execute shell script on remote host using ssh

SSH site

root@192.168.31.100:22

Command

```
#!/bin/bash
cp -r /opt/tomcat/latest/webapps/web* /home/kirill/Desktop/backup
rm -rf /opt/tomcat/latest/webapps/web*
```

☒ Execute each line

Create Jenkins job which will copy project artifact to deployment server and call deployment script. This job should have Poll SCM configured for the project and schedule it with some interval.

☒ Poll SCM

Schedule

H/15 ***

Commit some change to any JSP/HTML page (System information, application.property), Jenkins should automatically redeploy application with new changes

GitHub

GitHub Servers ?

GitHub Server ?

Name ?

github

API URL ?

https://api.github.com

Credentials ?

hook

Add

Test connection

☒ Manage hooks

Advanced...

Delete

All artifacts created during build should be stored in repository (file system or Nexus). Artifacts should have build number in its name.

Check

Job is scheduled and executed automatically

All created artifacts are stored in repository

Nexus Repository Manager Publisher

Nexus Instance

nexus

Nexus Repository ?

Sample_release

Tag ?

Packages

Group

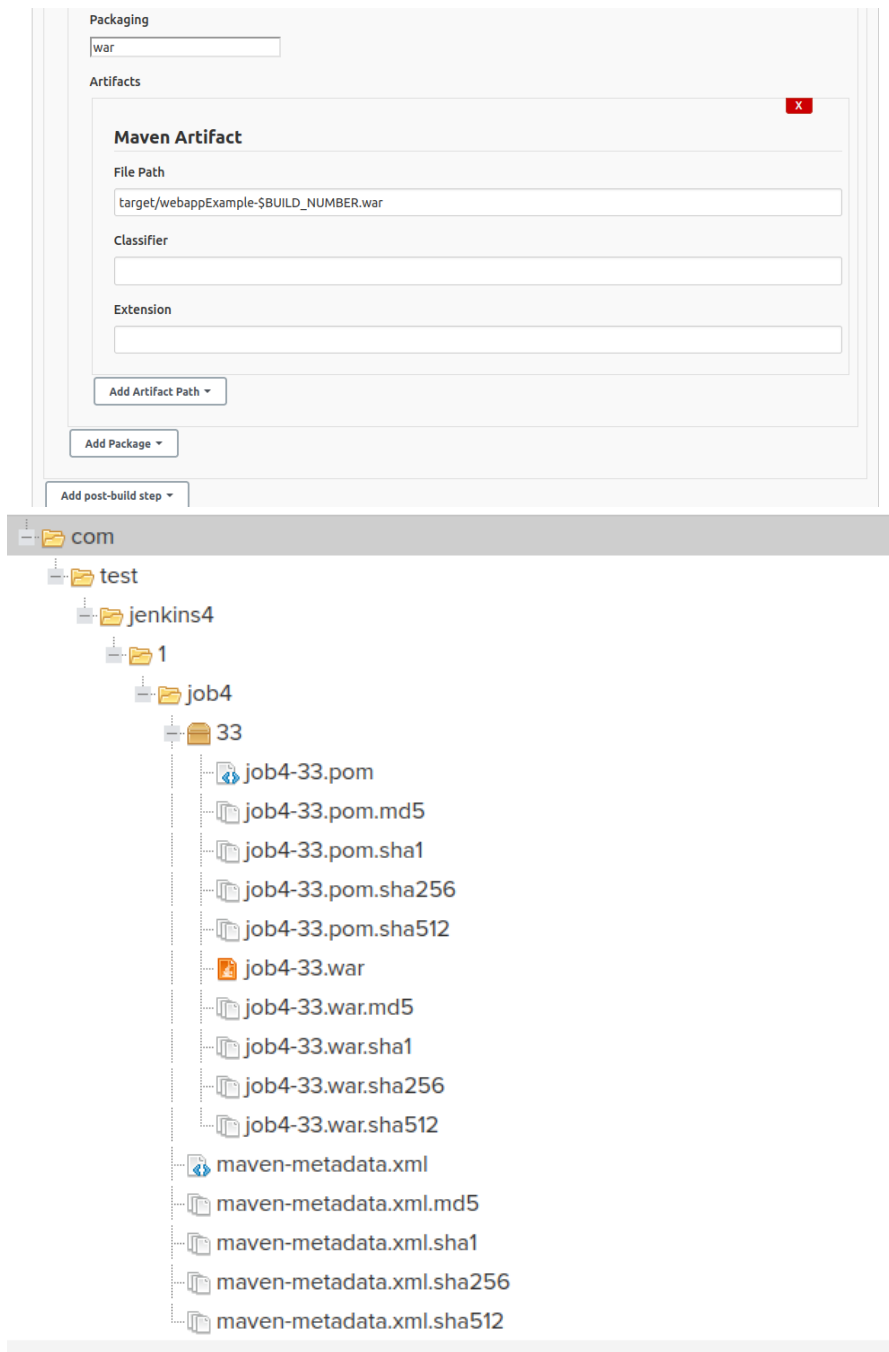
com.test.jenkins4.1

Artifact

job4

Version

\$BUILD_NUMBER



Project is redeployed on remote or local server via SSH connection

SCP repository hosts

SCP sites

Hostname	192.168.31.100	?
Port	22	?
Root Repository Path	/opt/tomcat/latest	?
User Name	root	?
Password/Passphrase	*****	?

Project is accessible via HTTP after deployment. Show application page



192.168.31.100:8080/webappExample-32/

Good Morning

Hello Tomcat, It's Jenkins

After modification of HTML page – it is deployed to application server via Jenkins