

Assignment 6: Create job on slave and deploy war on slave

The image consists of two screenshots of the Jenkins web interface, showing the process of creating a new node.

Top Screenshot: Jenkins 'New node' page

- URL:** `54.226.182.28:8080/jenkins/manage/computer/new`
- Page Title:** New node
- Node name:** `slave1`
- Type:** ☒ Permanent Agent
- Description:** Adds a plain, permanent agent to Jenkins. This is called "permanent" because Jenkins doesn't provide higher level of integration with these agents, such as dynamic provisioning. Select this type if no other agent types apply — for example such as when you are adding a physical computer, virtual machines managed outside Jenkins, etc.
- Buttons:** Create

Bottom Screenshot: Jenkins 'createItem' page

- URL:** `54.226.182.28:8080/jenkins/manage/computer/createItem`
- Page Title:** Jenkins
- Form Fields:**
 - Name:** `slave1`
 - Description:** `slave1`
 - Number of executors:** `2`
 - Remote root directory:** `/mnt/slave_home`
 - Labels:** (empty)
- Buttons:** Save

Both screenshots show a Windows taskbar at the bottom with the system clock displaying 20:32 on 07-05-2025. An 'Activate Windows' watermark is visible in the bottom right corner of both screenshots.

Dashboard > Manage Jenkins > Nodes > slave1

Usage ?
Use this node as much as possible

Launch method ?
Launch agents via SSH

Host ?
172.31.22.55

Credentials ?
- current -
+ Add

Host Key Verification Strategy ?
Manually trusted key Verification Strategy

☒ Require manual verification of initial connection ?

Save

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Dashboard > Nodes > slave1 > Trust SSH Host Key

Do you want to trust the SSH Host Key with fingerprint d8:61:79:8a:88:77:33:f6:ce:43:e5:b6:46:bb:17:29 for future connections to this host? Yes No

- Status
- Delete Agent
- Configure
- Build History
- Load Statistics
- Log
- Trust SSH Host Key

Build Executor Status 0/2

slave1 (launching...)

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Dashboard > Nodes > slave1 > Log

```
UID=1000
USER=ec2-user
XDG_RUNTIME_DIR=/run/user/1000
XDG_SESSION_ID=4
_=/etc/bashrc
[05/07/25 15:14:09] [SSH] Starting sftp client.
[05/07/25 15:14:09] [SSH] Copying latest remoting.jar...
[05/07/25 15:14:10] [SSH] Copied 1,396,936 bytes.
Expanded the channel window size to 4MB
[05/07/25 15:14:10] [SSH] Starting agent process: cd "/mnt/slave_home" && java -jar remoting.jar -workDir /mnt/slave_home -jar-cache /mnt/slave_home/remoting/jarCache
May 07, 2025 3:14:10 PM org.jenkinsci.remoting.engine.WorkDirManager initializeWorkDir
INFO: Using /mnt/slave_home/remoting as a remoting work directory
May 07, 2025 3:14:10 PM org.jenkinsci.remoting.engine.WorkDirManager setupLogging
INFO: Both error and output logs will be printed to /mnt/slave_home/remoting
<==[JENKINS REMOTING CAPACITY]==>channel started
Remoting version: 3301.v4363ddcca_4e7
Launcher: SSHLauncher
Communication Protocol: Standard in/out
This is a Unix agent
Agent successfully connected and online
The Agent is connected, disconnect it before to try to connect it again.
```

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Dashboard > New Item

New Item

Enter an item name

deploy_war_onslave

Select an item type

-  **Freestyle project**
Classic, general-purpose job type that checks out from up to one SCM, executes build steps serially, followed by post-build steps like archiving artifacts and sending email notifications.
-  **Pipeline**
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.
-  **Multi-configuration project**
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.
-  **Folder**
Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.

OK

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Dashboard > deploy_war_onslave > Configuration

Configure

- General
- Source Code Management
- Triggers
- Environment
- Build Steps
- Post-build Actions

General

Description

deploy war on slave machine

Plain text [Preview](#)

☒ Discard old builds ?

Strategy

Log Rotation

Days to keep builds

if not empty, build records are only kept up to this number of days

2

Max # of builds to keep

if not empty, only up to this number of build records are kept

5

[Save](#) [Apply](#)

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Windows taskbar: Type here to search, Desktop, 20:53 07-05-2025

Dashboard > deploy_war_onslave > Configuration

Configure

- General
- Source Code Management
- Triggers
- Environment
- Build Steps
- Post-build Actions

Git

Repositories ?

Repository URL ?

<https://github.com/Bhagyashri1796/ProjectDemo.git>

Credentials ?

- none -

[+ Add](#)

[Advanced](#)

[Add Repository](#)

Branches to build ?

Branch Specifier (blank for 'any') ?

*/master

[Save](#) [Apply](#)

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Windows taskbar: Type here to search, Desktop, 27°C Partly cloudy, 20:53 07-05-2025

Dashboard > deploy_war_onslave > Configuration

Configure

- General
- Source Code Management
- Triggers
- Environment
- Build Steps**
- Post-build Actions

Build Steps

Automate your build process with ordered tasks like code compilation, testing, and deployment.

Invoke top-level Maven targets

Maven Version
Maven

Goals
mvn install

Advanced

Add build step

Post-build Actions

Define what happens after a build completes, like sending notifications, archiving artifacts, or triggering other jobs.

Add post-build action

Save Apply

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Dashboard > deploy_war_onslave > Configuration

Configure

- General
- Source Code Management
- Triggers
- Environment
- Build Steps**
- Post-build Actions

Maven Version
Maven

Goals
clean install

Advanced

Execute shell

Command
See the list of available environment variables

```
cp /mnt/slave_home/workspace/deploy_war_onslave/target/LoginWebApp.war /mnt/servers/apache-tomcat-10.1.40/webapps/LoginWebApp
```

Advanced

Save Apply

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Dashboard > deploy_war_onslave > #15 > Console Output

```
[INFO] --- surefire:3.2.5:test (default-test) @ LoginWebApp ---
[INFO] No tests to run.
[INFO]
[INFO] --- war:3.4.0:war (default-war) @ LoginWebApp ---
[INFO] Packaging webapp
[INFO] Assembling webapp [LoginWebApp] in [/mnt/slave_home/workspace/deploy_war_onslave/target/LoginWebApp]
[INFO] Processing war project
[INFO] Copying webapp resources [/mnt/slave_home/workspace/deploy_war_onslave/src/main/webapp]
[INFO] Building war: /mnt/slave_home/workspace/deploy_war_onslave/target/LoginWebApp.war
[INFO]
[INFO] --- install:3.1.2:install (default-install) @ LoginWebApp ---
[INFO] Installing /mnt/slave_home/workspace/deploy_war_onslave/pom.xml to /home/ec2-user/.m2/repository/com/javawebtutor/LoginWebApp/1.0-SNAPSHOT/LoginWebApp-1.0-SNAPSHOT.pom
[INFO] Installing /mnt/slave_home/workspace/deploy_war_onslave/target/LoginWebApp.war to /home/ec2-user/.m2/repository/com/javawebtutor/LoginWebApp/1.0-SNAPSHOT/LoginWebApp-1.0-SNAPSHOT.war
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 3.706 s
[INFO] Finished at: 2025-05-07T17:13:09Z
[INFO] -----
[deploy_war_onslave] $ /bin/sh -xe /tmp/jenkins17068416968522543161.sh
+ cp /mnt/slave_home/workspace/deploy_war_onslave/target/LoginWebApp.war /mnt/servers/apache-tomcat-10.1.40/webapps/LoginWebApp.war
Finished: SUCCESS
```

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34.229.220.150:8080/LoginWebApp/

Login Page

Username

Password

New User [Register Here](#)

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