EXPERIMENT NO – 5

TITLE: Master/Slave concept in Jenkins

Objective: -

Create at least Two slaves in Jenkins and Run two different jobs in two slaves parallel.

1. Create 2 slaves on your local drive

2. Go to manage Jenkins and make 2 nodes-slave1, slave2

- Set as permanent agent
- Label it as Agent1
- Set remote root repo path of your local system :

Number of executors ?

1

Remote root directory ?

C:\Slave1

Labels ?

Agent1

Usage ?

Use this node as much as possible

Use this node as much as possible

Launch method ?

Launch agent by connecting it to the controller

☐ **Disable WorkDir** ?

Custom WorkDir path ?

Internal data directory ?

remoting

☐ **Fail if workspace is missing** ?

☐ **Use WebSocket** ?

Advanced...

Availability ?

Keep this agent online as much as possible

- Then save it

3. Go to your cmd of slave1 and run these commands

- Slave2

- This slave is connected and now using this slave we'll make a build-

4. Make a new maven project and connect it to github project for makin automatic build(cicd-lab-5)

- Connect it with agent1

- Give you repo URL

Git ?

Repositories ?

Repository URL ?

Credentials ?

- none -

+ Add

Advanced...

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

*/main

Pre Steps

Add pre-build step ▾

Build

Root POM ?

pom.xml

Goals and options ?

install

Advanced...

- Build it

Name	Date modified	Type	Size
📁 remoting	06-10-2023 09:39	File folder	
📁 workspace	06-10-2023 09:50	File folder	
☕ agent	06-10-2023 09:38	Executable Jar File	1,337 KB
☕ maven3-interceptor-commons	06-10-2023 09:50	Executable Jar File	8 KB
☕ maven35-agent	06-10-2023 09:50	Executable Jar File	9 KB
☕ maven35-interceptor	06-10-2023 09:50	Executable Jar File	24 KB

This PC › OS (C:) › Slave1

5. Now make another maven project on jenkins with label Agent2 . and give your path of local system to run different agents of same project to run processes parallely

Configure

- ⚙ General
- ⅄ Source Code Management
- ⏱ Build Triggers
- 🌐 Build Environment
- ⚙ Pre Steps
- ⚙ Build
- ⚙ Post Steps
- ⚙ Build Settings
- 📦 Post-build Actions

Label Expression ?

Agent2

Label Agent2 matches 1 node. Permissions or other restrictions provided by plugins may further reduce that list.

Advanced...

Source Code Management

◯ None

🔘 Git ?

Repositories ?

Repository URL ?

Credentials ?

- none -

Build

Root POM ?

pom.xml

Goals and options ?

install

Advanced...

- Build it

Name	Date modified	Type	Size
📁 remoting	06-10-2023 10:20	File folder	
📁 workspace	06-10-2023 10:31	File folder	
☕ agent	06-10-2023 10:19	Executable Jar File	1,337 KB
☕ maven3-interceptor-commons	06-10-2023 10:31	Executable Jar File	8 KB
☕ maven35-agent	06-10-2023 10:31	Executable Jar File	9 KB
☕ maven35-interceptor	06-10-2023 10:31	Executable Jar File	24 KB

Dashboard > cicd-lab5.1 >

📄 Status

</> Changes

📁 Workspace

▷ Build Now

⚙ Configure

🗑 Delete Maven project

📄 Modules

✏ Rename

Maven project cicd-lab5.1

Permalinks

- Last build (#1), 3 min 50 sec ago
- Last stable build (#1), 3 min 50 sec ago
- Last successful build (#1), 3 min 50 sec ago
- Last completed build (#1), 3 min 50 sec ago

☀ **Build History**   trend ∨

🔍 Filter builds...   /

✅ #1   Oct 6, 2023, 10:31 AM

📶 Atom feed for all   📶 Atom feed for failures