EXPERIMENT NO - 5

TITLE: Master/Slave concept in Jenkins

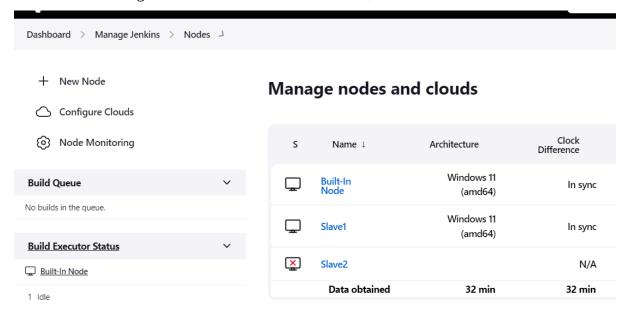
Objective: -

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 :

	e root directory ?
C:\Sla	ve i
Labels	?
Agen	t1
Usage	?
Use t	his node as much as possible
Use t	nis node as much as possible
	is node as madi as possible
unch	method ?
Laund	h agent by connecting it to the controller
	Disable WorkDir ?
Cı	ustom WorkDir path ?
Cı	ustom WorkDir path ?
Ci	ustom WorkDir path ?
	ternal data directory ?
In	
In	ternal data directory ?
In	ternal data directory ?
In	ternal data directory ?
In	ternal data directory ? remoting Fail if workspace is missing ?
In	ternal data directory ? remoting Fail if workspace is missing ?
In	ternal data directory ? remoting Fail if workspace is missing ? Use WebSocket ?

- Then save it
- 3. Go to your cmd of slave1 and run these commands

```
Microsoft Windows (Version 18.9.22621.2283)
(C) Microsoft Corporation. All rights reserved.

C:\Slavel>cunl -s0 http://localhost:8080/jnlpJars/agent.jar

INFO: Using C:\Slavel\cunl -so exoting sork directory

Oct 06, 2023 9:39:02 AM hudson.remoting.engine.WorkDirManager setupLogging

INFO: Setting up agent: Slavel

Oct 06, 2023 9:39:02 AM hudson.remoting.jnlp.Hain createEngine

INFO: Setting up agent: Slavel

Oct 06, 2023 9:39:02 AM pulson.remoting.jnlp.Hain createEngine

INFO: Using C:\Slavel\cunl -so exoting.gnine startEngine

Oct 06, 2023 9:39:02 AM pulson.remoting.jnlp.HainSurficilistener status

INFO: Locating server among [http://localhost:8080/]

Oct 06, 2023 9:39:02 AM nudson.remoting.jnlp.HainSurficilistener status

INFO: Remoting server accepts the following protocols: [JNLPH-connect, Ping]

Oct 06, 2023 9:39:02 AM hudson.remoting.jnlp.HainScullistener status

INFO: Mandshaking

Oct 06, 2023 9:39:02 AM hudson.remoting.jnlp.HainScullistener status

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```

- Slave2

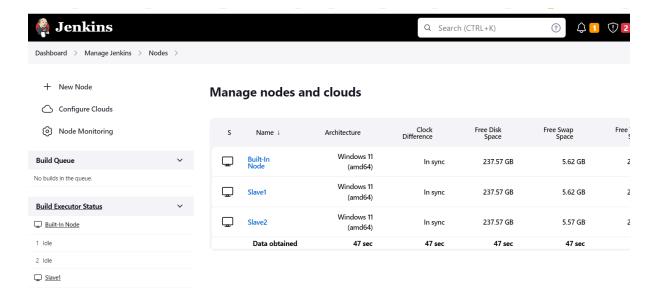
```
Microsoft Windows (Version 10 0 22621,2283)
(c) Microsoft Corporation. All rights reserved.

C:\Slave2>\text{carporation}. All rights reserved.

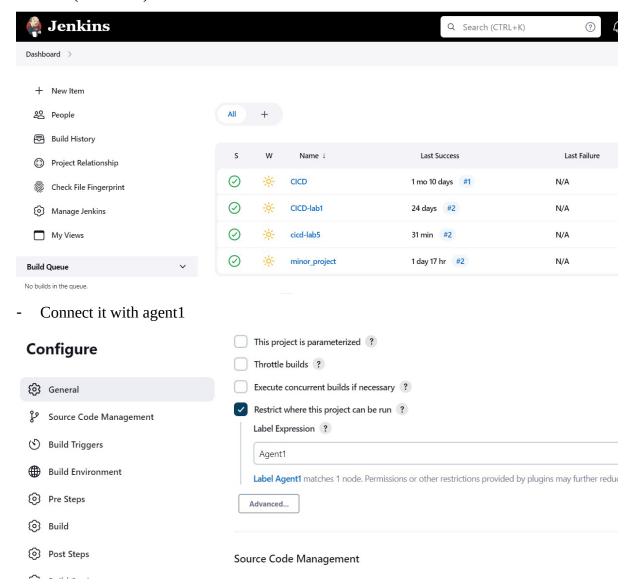
INFO: Starporation.

I
```

- 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)

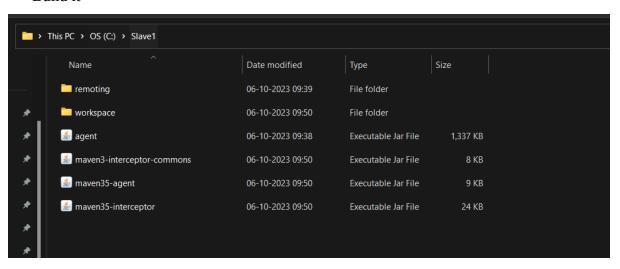


Give you repo URL Git ? Repositories ? Repository URL ? Credentials ? - none -+ Add Advanced... Add Repository Branches to build ? Branch Specifier (blank for 'any') ?

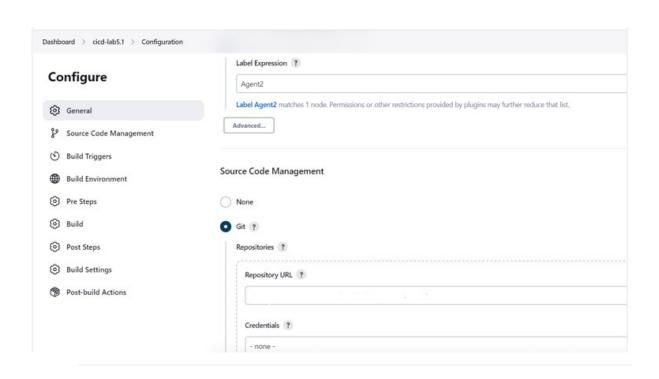
Pre Steps Add pre-build step Build Root POM ? pom.xml Goals and options ? install

- Build it

Advanced...



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



Build

Root POM ?

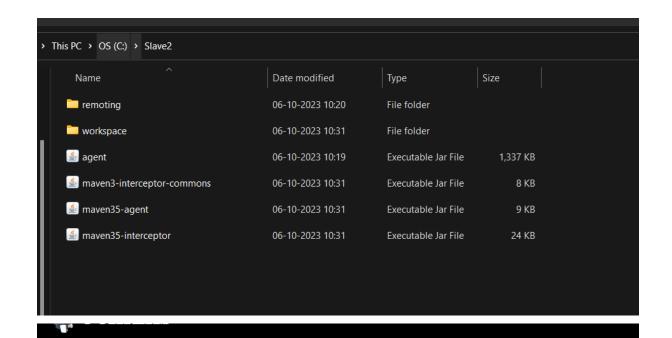
pom.xml

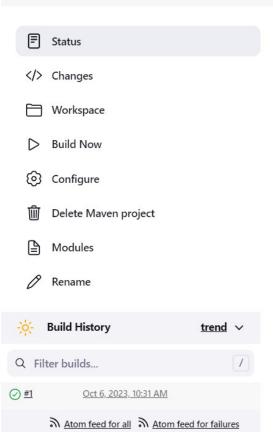
Goals and options ?

install

Advanced...

- Build it





Dashboard > cicd-lab5.1 >

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