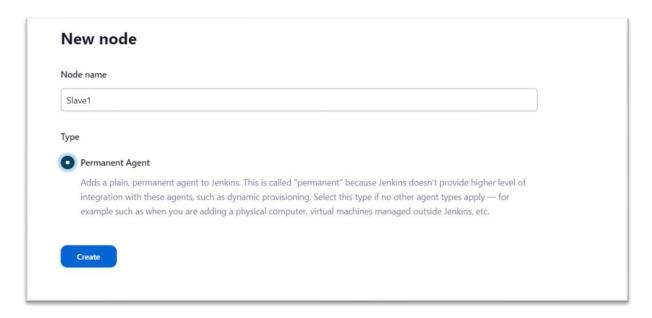
500093657, R2142210596, DEVOPS B2 3^{RD} YEAR <u>EXPERIMENT - 5</u>

Aim: Master/Slave concept in Jenkins

1. Create Salve1 and Slave2 folder in your Local drive.



2. Create a New Node and assign node name as Slave1.



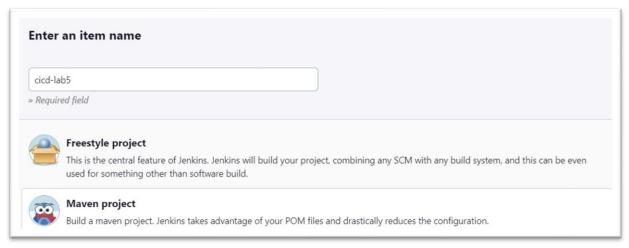


```
PS D:\Slavel> curl.exe -s0 http://localhost:8080/jnlpJars/agent.jar
 PS D:\Slavel> java -jar agent.jar -jnlpUrl http://localhost:8880/computer/Slavel/jenkins-agent.jnlp -secret aa3331df0dc29f823eee97b67fff48d27ea9bf9663486b007359eab3cd51dd42 -morkOir "D:\Slavel" | D:\Slavel | D:
 Oct 06, 2023 9:31:50 AM org.jenkinsci.remoting.engine.WorkDirManager initializeWorkDir
  INFO: Using D:\Slavel\remoting as a remoting work directory
  Oct 06, 2023 9:31:50 AM org.jenkinsci.remoting.engine.WorkDirManager setupLogging
 INFO: Both error and output logs will be printed to D:\Slavel\remoting
 Oct 06, 2023 9:31:50 AM hudson.remoting.jnlp.Main createEngine
INFO: Setting up agent: Slavel
Oct 06, 2023 9:31:50 AM hudson.remoting.Engine startEngine
Oct 86, 2023 9:31:50 AM Nudson:Remoting.cngine startingine
INFO: Using Remoting version: 3107.v665000b_51092
Oct 86, 2023 9:31:50 AM org.jenkinsci.remoting.engine.WorkDirManager initializeWorkDir
INFO: Using D:\Slavel\remoting as a remoting work directory
Oct 86, 2023 9:31:50 AM hudson.remoting.jnlp.MainSCuiListener status
  INFO: Locating server among [http://localhost:8080/]
  Oct 06, 2023 9:31:50 AM org.jenkinsci.remoting.engine.JnlpAgentEndpointResolver resolve
 INFO: Remoting server accepts the following protocols: [JNLP4-connect, Ping]
  Oct 06, 2023 9:31:50 AM hudson.remoting.jnlp.Main$CuiListener status
  INFO: Agent discovery successful
     Agent address: localhost
     Agent port: 59518

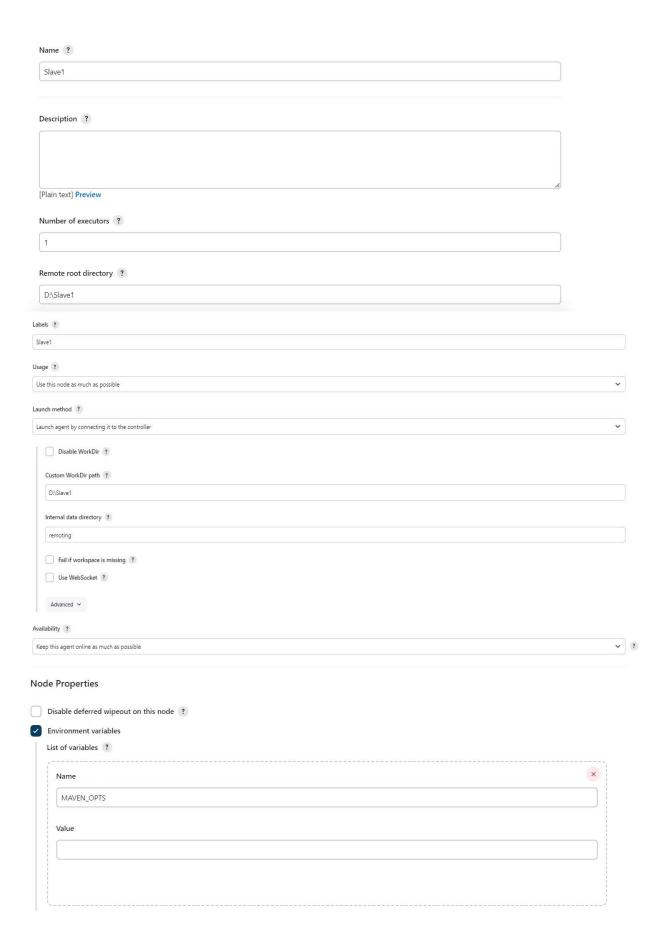
Identity: 6e:66:90:26:af:aa:dd:47:81:d8:96:a7:7b:a9:27:be
  Oct 06, 2023 9:31:50 AM hudson remoting jnlp Main$CuiListener status
 INFO: Handshaking
  Oct 06, 2023 9:31:50 AM hudson.remoting.jnlp.Main$Cuilistener status
  INFO: Connecting to localhost:59518
  Oct 06, 2023 9:31:50 AM hudson.remoting.jnlp.Main$CuiListener status
 INFO: Trying protocol: JNLP4-connect
  Oct 06, 2023 9:31:50 AM org.jenkinsci.remoting.protocol.impl.BIONetworkLayer$Reader run
 INFO: Waiting for ProtocolStack to start.
  Oct 06, 2023 9:31:51 AM hudson.remoting.jnlp.Main$CuiListener status
INFO: Remote identity confirmed: 6e:66:90:26:af-aa:dd:47:81:d8:96:a7:7b:a9:27:be Oct 06, 2023 9:31:51 AM hudson.remoting.jnlp.Main$Cuilistener status
INFO: Connected
```

3. Run Agent slave1 command on our command line windows. .

4. On your Jenkins create a new maven project name as cicd-lab5.



5. Configure it.



6. Make a build and check the output and Node.

```
[INFO] skip non existing resourceDirectory D:\Slave1\workspace\cicd-lab5\src\test\resources
[INFO]
[INFO] --- compiler:3.10.1:testCompile (default-testCompile) @ devops.b3.cicd.lab3 ---
[INFO] No sources to compile
[INFO] --- surefire:3.0.0:test (default-test) @ devops.b3.cicd.lab3 ---
[INFO] No tests to run.
[JENKINS] Recording test results
[INFO]
[INFO] --- jar:3.3.0:jar (default-jar) @ devops.b3.cicd.lab3 ---
[INFO] Building jar: D:\Slave1\workspace\cicd-lab5\target\devops.b3.cicd.lab3-0.0.1-SNAPSHOT.jar
[INFO]
[INFO] --- install:3.1.0:install (default-install) @ devops.b3.cicd.lab3 ---
SNAPSHOT\devops.b3.cicd.lab3-0.0.1-SNAPSHOT.pom
[INFO] Installing D:\Slave1\workspace\cicd-lab5\target\devops.b3.cicd.lab3-0.0.1-SNAPSHOT.jar to
C: \lab{A} 0.0.1-SNAPSHOT\ devops.b3.cicd.lab3-0.0.1-SNAPSHOT\ devops.b3.cicd.lab3-0.0.1-SNAPSHOT.jar
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 3.344 s
                                                                                                           ?
```

Agent Slave1

Mark this node temporarily offline

Add description

Agent is connected.

Projects tied to Slave1

S	W	Name ↓	Last Success	Last Failure	Last Duration	Fav
\odot	÷	cicd-lab5	20 min #2	N/A	9.6 sec	D ☆

Nodes

S	Name ↓	Architecture	Clock Difference
	Built-In Node	Windows 11 (amd64)	In sync
<u> </u>	Slave1	Windows 11 (amd64)	In sync
	Data obtained	29 min	29 min