Experiment 5 Working With Jenkins Agents

Objective: Runnning a Maven Project on a Jenkins Slave Agent.

Steps:	•
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(a)	Go to DashBoard > Manage Jenkins > Nodes > New Node
(b)	Give a name to the node, select permanent Agent & click Create.
New	node
Node na	me
Agent1	
Age	nt called 'Agent1' already exists
Гуре	
O Per	manent Agent
age	ds a plain, permanent agent to Jenkins. This is called "permanent" because Jenkins doesn't provide higher level of integration with these ents, such as dynamic provisioning. Select this type if no other agent types apply — for example such as when you are adding a physical nputer, virtual machines managed outside Jenkins, etc.
O Co	by Existing Node
	/home/psyche/ienkins/agent1
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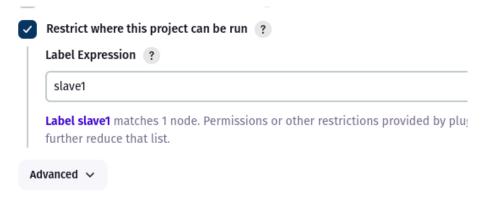
(e). Run the provided command at the location of the root directory.

```
psyche@pop-os:~/jenkins/agent1$ curl -s0 http://localhost:8080/jnlpJars/agent.ja
r;java -jar agent.jar -jnlpUrl http://localhost:8080/computer/Agent1/jenkins-age
nt.jnlp -secret 6c20fbe393e8e84dbe5b26b0388a4254a3d28eef6921564c5d16b9d4c4aa6620
-workDir "/home/psyche/jenkins/agent1"
Oct 17, 2023 9:25:20 PM org.jenkinsci.remoting.engine.WorkDirManager initializeW
orkDir
INFO: Using /home/psyche/jenkins/agent1/remoting as a remoting work directory
Oct 17, 2023 9:25:21 PM org.jenkinsci.remoting.engine.WorkDirManager setupLoggin
ag
INFO: Both error and output logs will be printed to /home/psyche/jenkins/agent1/
according
```

(f) . Agent should be up and running now .

Nodes + New Node &								
s	Name ↓	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space		
<u>_</u>	Agent1		N/A	N/A	N/A	N/A		
Ţ	Built- In Node	Linux (amd64)	In sync	50.36 GB	11.58 GB	50.36 GB		
	Data obtained	19 min	19 min	19 min	19 min	19 min		

2. Create a Maven Project and Restrict it to run on the Agents created.



3. Run the build to verify pipline is running on Agent1:

Console Output

Started by user Vidhant Maan Thapa
Running as SYSTEM
Building remotely on Agent1 (slave1) in workspace /home/psyche/jenkins/agent1/workspace/CICDLab5-Slave1
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
No credentials specified