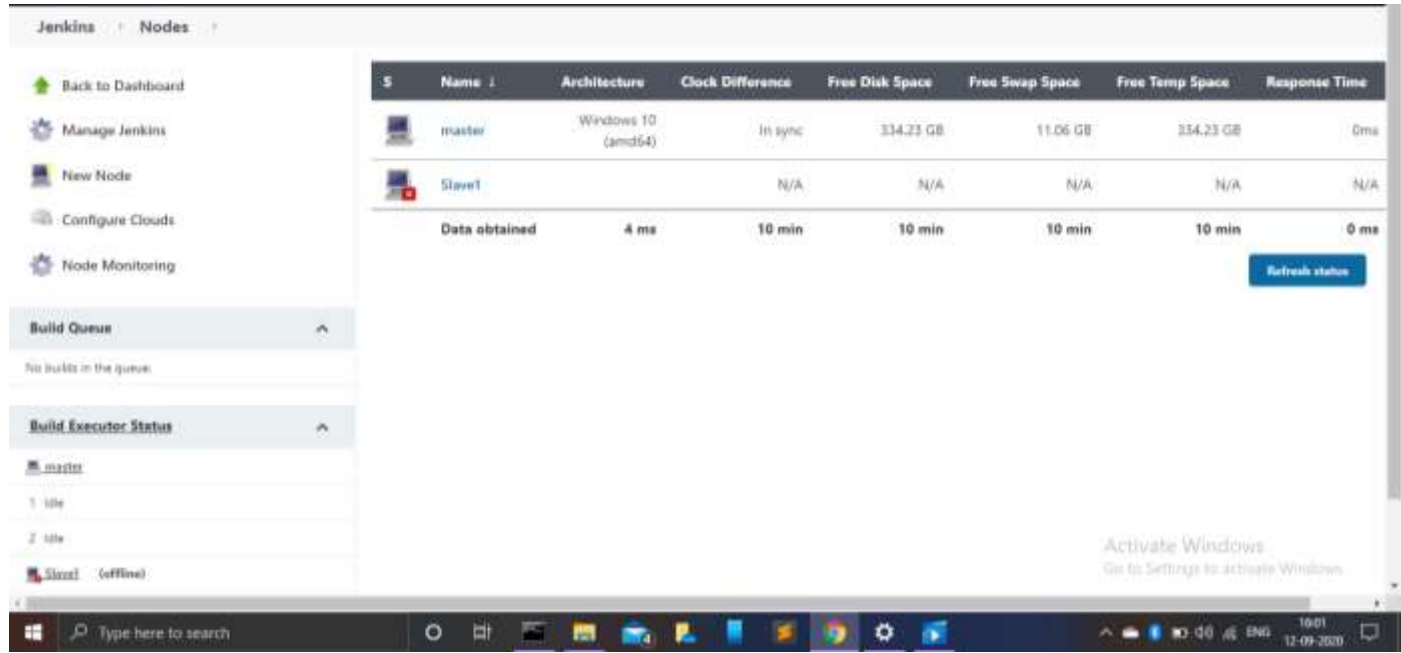


# EXPERIMENT-6

## Working of Slave-1 :-



The screenshot shows the Jenkins 'Nodes' page. On the left, there is a sidebar with navigation links: 'Back to Dashboard', 'Manage Jenkins', 'New Node', 'Configure Clouds', and 'Node Monitoring'. Below these are sections for 'Build Queue' (showing 'No builds in the queue') and 'Build Executor Status'. The 'Build Executor Status' section lists three nodes: 'master' (1 idle), '2' (1 idle), and 'Slave1' (offline). The main area displays a table of node details.

S	Name	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
	master	Windows 10 (amd64)	In sync	334.23 GB	11.06 GB	334.23 GB	0ms
	Slave1		N/A	N/A	N/A	N/A	N/A
Data obtained		4 ms	10 min	10 min	10 min	10 min	0 ms

A 'Refresh status' button is located at the bottom right of the table. At the bottom of the window, there is a Windows taskbar with the search bar, task icons, and system tray showing the time as 10:01 on 12-09-2020.

## After Running command on Terminal:

```
C:\WINDOWS\system32>java -jar c:\jenkins_slave\agent\agent.jar -jnlpURL http://localhost:8080/computer/Slave1/slave-agent.jnlp -secret a838698554289c90a7a027b6528c4
abde225c8bdeebc4e4cbe1865a07 -workDir "C:\jenkins_slave"
Sep 12, 2020 4:06:47 PM org.jenkinsci.remoting.engine.WorkDirManager initializeWorkDir
INFO: Using C:\jenkins_slave\remoting as a remoting work directory
Sep 12, 2020 4:06:47 PM org.jenkinsci.remoting.engine.WorkDirManager setUpLogging
INFO: Both error and output logs will be printed to C:\jenkins_slave\remoting
Sep 12, 2020 4:06:48 PM hudson.remoting.jnlp.Main createEngine
INFO: Setting up agent: Slave1
Sep 12, 2020 4:06:48 PM hudson.remoting.jnlp.Main$CuiListener <init>
INFO: Jenkins agent is running in headless mode.
Sep 12, 2020 4:06:48 PM hudson.remoting.engine.startingEngine
INFO: Using Remoting version: 4.5
Sep 12, 2020 4:06:48 PM org.jenkinsci.remoting.engine.WorkDirManager initializeWorkDir
INFO: Using C:\jenkins_slave\remoting as a remoting work directory
Sep 12, 2020 4:06:48 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Locating server among [http://localhost:8080/]
Sep 12, 2020 4:06:48 PM org.jenkinsci.remoting.engine.JnlpAgentEndpointResolver resolve
INFO: Remoting server accepts the following protocols: [JNLP4-connect, Ping]
Sep 12, 2020 4:06:48 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Agent discovery successful
Agent address: localhost
Agent port: 52819
Identity: b8:2d:8c:d9:4b:2c:c1:79:72:54:27:85:5e:ba:14:6d
Sep 12, 2020 4:06:48 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Handshaking
Sep 12, 2020 4:06:48 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Connecting to localhost:52819
Sep 12, 2020 4:06:48 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Trying protocol: JNLP4-connect
Sep 12, 2020 4:06:49 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Remote identity confirmed: b8:2d:8c:d9:4b:2c:c1:79:72:54:27:85:5e:ba:14:6d
Sep 12, 2020 4:06:49 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Connected
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by com.thoughtworks.xstream.core.util.Fields to field java.util.TreeMap.comparator
WARNING: Please consider reporting this to the maintainers of com.thoughtworks.xstream.core.util.Fields
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
```

Activate Windows  
Go to Settings to activate Windows.

Back to Dashboard

Manage Jenkins

New Node

Configure Clouds

Node Monitoring

Build Queue

No builds in the queue

Build Executor Status

1 idle

2 idle

Slave1

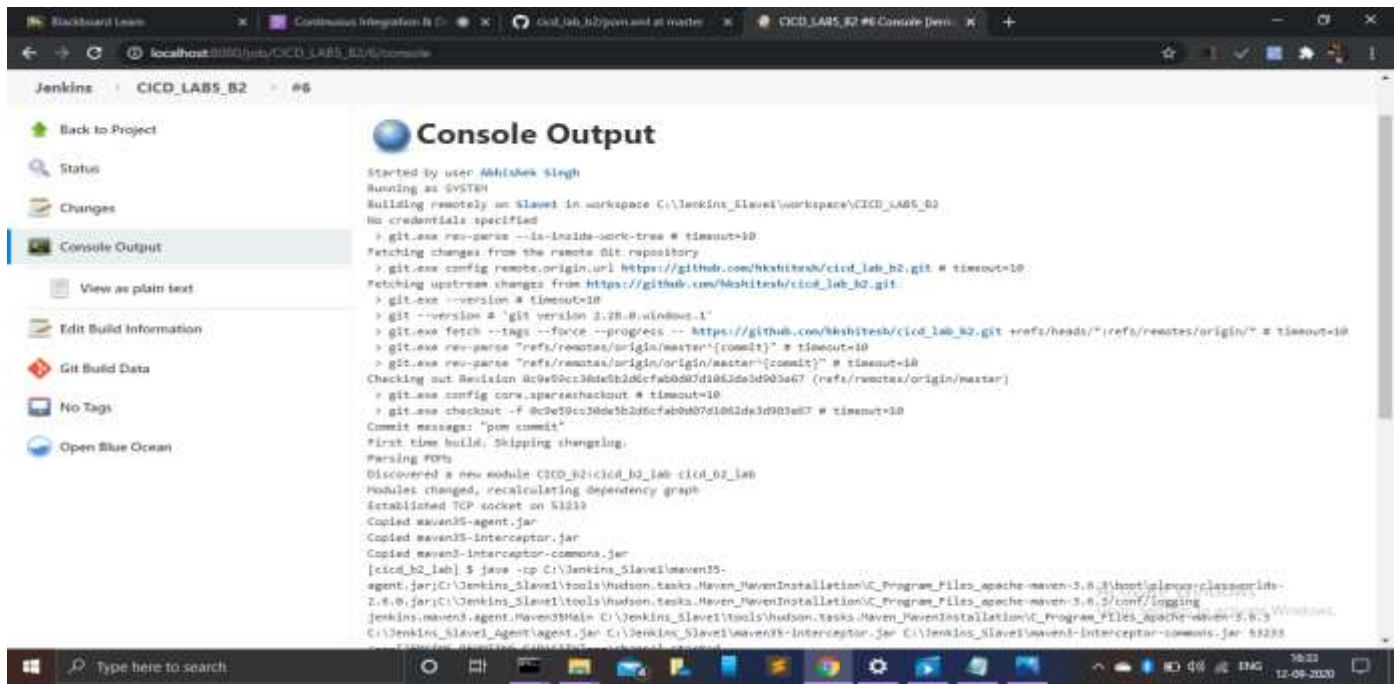
S	Name	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
	master	Windows 10 (amd64)	In sync	334.21 GB	8.78 GB	334.21 GB	0ms
	Slave1	Windows 10 (amd64)	In sync	334.21 GB	8.78 GB	334.21 GB	227ms
Data obtained		13 sec	13 sec	13 sec	13 sec	13 sec	13 sec

Refresh status

Activate Windows  
Go to Settings to activate Windows.

**After making slave, BUILD your Maven project**

## **Console OutPut :-**



```
Started by user Ahishuk Singh
Running as SYSTEM
Building remotely on Slaved in workspace C:\Jenkins_Slave1\workspace\CICD_LAB5_B2
No credentials specified
> git.exe rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
> git.exe config remote.origin.url https://github.com/hkshitesh/cicd_lab_b2.git # timeout=10
Fetching upstream changes from https://github.com/hkshitesh/cicd_lab_b2.git
> git.exe --version # timeout=10
> git --version # 'git version 2.28.0.windows.1'
> git.exe fetch --tags --force --progress -- https://github.com/hkshitesh/cicd_lab_b2.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe rev-parse 'refs/remotes/origin/master:[commit]' # timeout=10
> git.exe rev-parse 'refs/remotes/origin/origin/master:[commit]' # timeout=10
Checking out Revision 8c9d0cc3b0de5b2d6cfab0d07d1063d03d003a67 (refs/remotes/origin/master)
> git.exe config core.sshCommand # timeout=10
> git.exe checkout -f 8c9d0cc3b0de5b2d6cfab0d07d1063d03d003a67 # timeout=10
Commit message: 'pom commit'
First time build. Skipping changelog.
Parsing POMs
Discovered a new module CICD_B2:cicd_b2_lab:cicd_b2_lab
Modules changed, recalculating dependency graph
Established TCP socket on 51233
Copied maven3-agent.jar
Copied maven3-interceptor.jar
Copied maven3-interceptor-commons.jar
[cicd_b2_lab] $ java -cp C:\Jenkins_Slave1\maven3-agent.jar;C:\Jenkins_Slave1\tools\hudson.tasks.Maven.MavenInstallation\C_Program_Files_apache-maven-3.6.3\boot\plexus-classworlds-2.6.0.jar;C:\Jenkins_Slave1\tools\hudson.tasks.Maven.MavenInstallation\C_Program_Files_apache-maven-3.6.3\conf\logging-jenkins-maven3-agent-Maven3Main C:\Jenkins_Slave1\tools\hudson.tasks.Maven.MavenInstallation\C_Program_Files_apache-maven-3.6.3 C:\Jenkins_Slave1\Agent\agent.jar C:\Jenkins_Slave1\maven3-interceptor.jar C:\Jenkins_Slave1\maven3-interceptor-commons.jar 53233
...
Copied maven3-agent.jar
Copied maven3-interceptor.jar
Copied maven3-interceptor-commons.jar
[cicd_b2_lab] $ java -cp C:\Jenkins_Slave1\maven3-agent.jar;C:\Jenkins_Slave1\tools\hudson.tasks.Maven.MavenInstallation\C_Program_Files_apache-maven-3.6.3\boot\plexus-classworlds-2.6.0.jar;C:\Jenkins_Slave1\tools\hudson.tasks.Maven.MavenInstallation\C_Program_Files_apache-maven-3.6.3\conf\logging-jenkins-maven3-agent-Maven3Main C:\Jenkins_Slave1\tools\hudson.tasks.Maven.MavenInstallation\C_Program_Files_apache-maven-3.6.3 C:\Jenkins_Slave1\Agent\agent.jar C:\Jenkins_Slave1\maven3-interceptor.jar C:\Jenkins_Slave1\maven3-interceptor-commons.jar 53233
...
[INFO] Scanning for projects...
[INFO]
[INFO] -----c CICD_B2:cicd_b2_lab >-----
[INFO] Building cicd_b2_lab 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ cicd_b2_lab ---
[INFO] Deleting C:\Jenkins_Slave1\workspace\CICD_LAB5_B2\cicd_b2_lab\target
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 3.168 s
[INFO] Finished at: 2020-08-12T16:22:56+05:30
[INFO]
Waiting for Jenkins to finish collecting data
[WORKING] Archiving C:\Jenkins_Slave1\workspace\CICD_LAB5_B2\cicd_b2_lab\pom.xml to CICD_B2:cicd_b2_lab\0.0.1-SNAPSHOT\cicd_b2_lab-0.0.1-SNAPSHOT.pom
channel stopped
Finished: SUCCESS
```

**NOW YOUR FOLDER - Jenkins\_Slave1**

