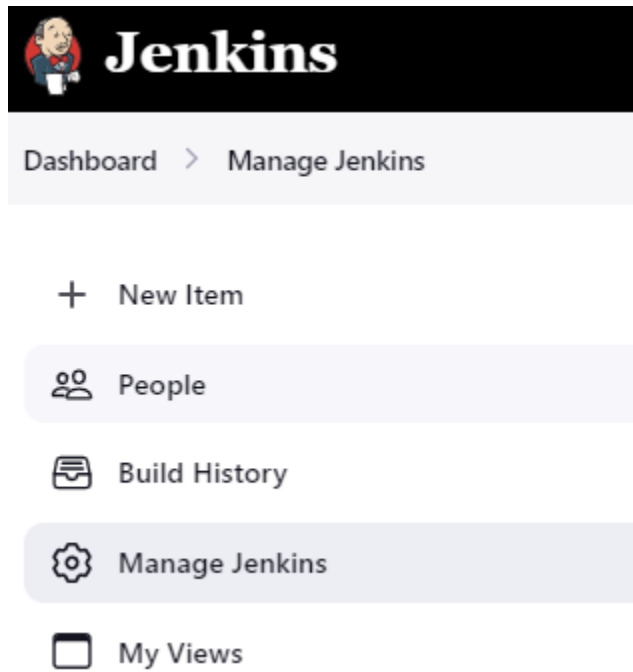
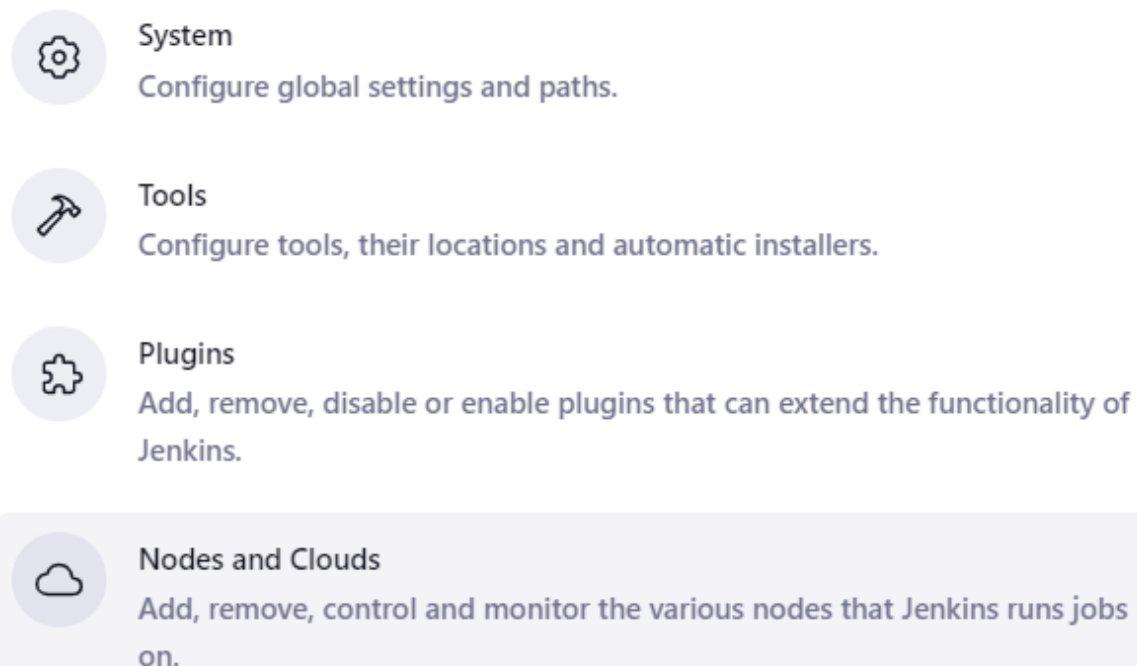


1. Open Jenkins through AWS EC2. In the Dashboard, click on “**Manage Jenkins**”





2. Here click on “**Nodes and Clouds**”

System Configuration



- Click on “+New Node” in order to add a new node.

Nodes						
S	Name ↓	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space
	Built-In Node	Linux (amd64)	In sync	5.28 GB	 0 B	5.28 GB
Data obtained		29 min	29 min	29 min	29 min	29 min

- Configure the New Node as following:

Dashboard > Nodes >

Back to Dashboard
Manage Jenkins
New Node
Configure Clouds
Node Monitoring

Build Queue
No builds in the queue.

Build Executor Status

master
1 idle
2 idle

Name
Slave2
Description
Number of executors
2
Remote root directory
C:\experiment-jenkins-nodes
Labels
Slave2
Usage
Use this node as much as possible

Enable “Use Websocket”

Dashboard > Nodes >

Slave1
1 idle
2 idle

Launch method
Launch agent by connecting it to the master
☐ Disable WorkDir
Custom WorkDir path
C:\experiment-jenkins-nodes
Internal data directory
remoting
☐ Fail if workspace is missing
☐ Use WebSocket

Availability
Keep this agent online as much as possible

Node Properties
☐ Disable deferred wipeout on this node
☐ Environment variables
☐ Tool Locations

6. The new slave node will be offline for a while, and if all configuration are correct it may start on its own. Otherwise, use the following command in the Ubuntu terminal to connect it to the master node.

Agent slave2

Mark this node temporarily offline



Add description

Run from agent command line: (Unix)

```
curl -sO http://65.0.181.94:8080/jnlpJars/agent.jar
java -jar agent.jar -jnlpUrl http://65.0.181.94:8080/computer/slave2/jenkins-agent.jnlp -secret
0c4df3e34392b3b8f1dec497529da70e59fa7a5ca58eff986c66d5672bd594d3 -workDir "C:\jenkins"
```

7. We have setup the slave nodes, and they are online now.

Nodes

[+ New Node](#)



S	Name ↓	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
	Built-In Node	Linux (amd64)	In sync	4.99 GB	0 B	4.99 GB	0ms
	slave1	Linux (amd64)	In sync	4.99 GB	0 B	4.99 GB	327ms
	slave2		N/A	N/A	N/A	N/A	N/A
Data obtained		1 min 34 sec	1 min 34 sec	1 min 34 sec	1 min 33 sec	1 min 34 sec	1 min 33 sec

8. Go back to the Jenkins Dashboard, and click on “**New Item**” and create a new “**Freestyle Project**”.

Give a name and description to it.

Configure the following and restrict it to slave1.

☐ Execute concurrent builds if necessary

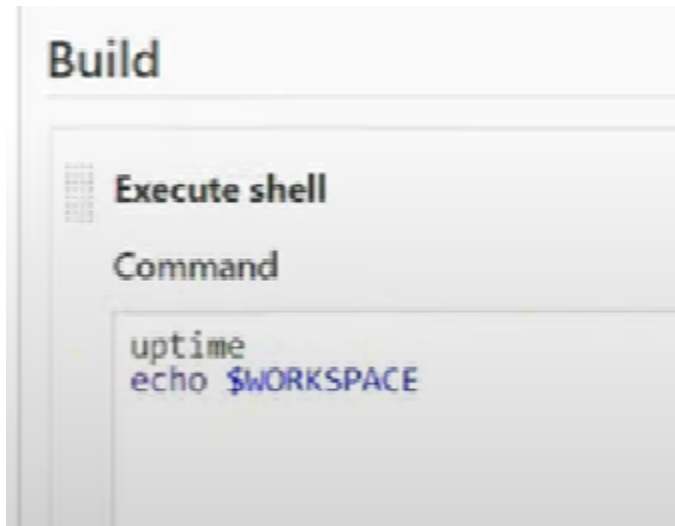
☒ Restrict where this project can be run

Label Expression

slave1

Advanced

9. Write the following shell commands to be executed on the build.



10. Type uptime on the console

```
ubuntu@ip-172-31-3-241:~$ uptime
06:40:31 up 1:04, 1 user, load average: 0.04, 0.12, 0.06
ubuntu@ip-172-31-3-241:~$
```

11. Click on “**Build Now**”. If everything’s fine, then the “**Console Output**” should display Success.

Console Output

```
Started by user Subrato
Running as SYSTEM
Building remotely on slave1 in workspace C:\jenkins\workspace\master-slave job
[master-slave job] $ /bin/sh -xe /tmp/jenkins6874054486730794371.sh
+ uptime
 06:50:34 up 1:14, 1 user, load average: 0.06, 0.08, 0.04
+ echo C:\jenkins\workspace\master-slave job
C:\jenkins\workspace\master-slave job
Finished: SUCCESS
```

12. Check on slave1.

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
		master-slave job	46 sec #3	3 min 55 sec #2	0.25 sec

Icon: S M L

Icon legend

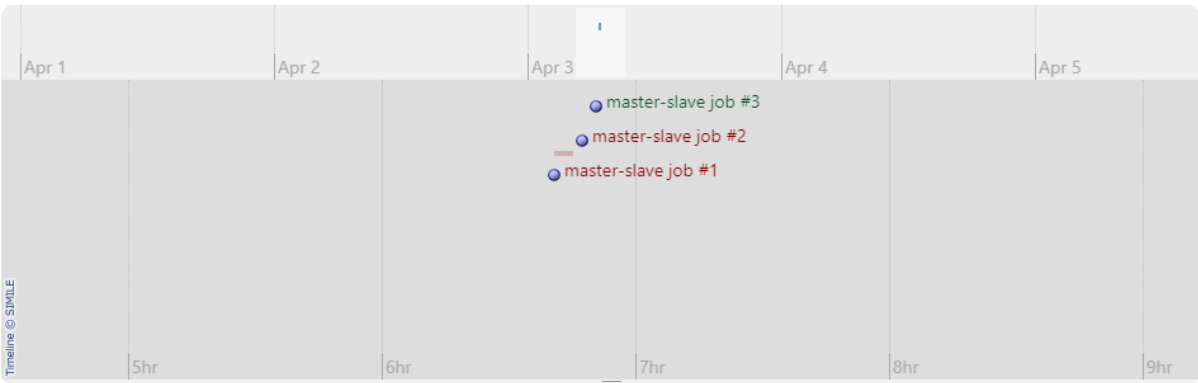
Atom feed for all

Atom feed for failures

Atom feed for just latest builds

13. Click on “Build History” to check the following.

Timeline



Build Time Trend

