

# Experiment-8

## *Implementing Master/Slave architecture in jenkins.*

```
Activities Terminal Sep 12 22:32
ishitabansal@ishita-Lenovo-Ideapad-320-15IKB: ~/Downloads
ishitabansal@ishita-Lenovo-Ideapad-320-15IKB:~$ service jenkins start
ishitabansal@ishita-Lenovo-Ideapad-320-15IKB:~$ cd Downloads
ishitabansal@ishita-Lenovo-Ideapad-320-15IKB:~/Downloads$ java -jar agent.jar -jnlpUrl http://localhost:8080/computer/slave1/slave-agent.jnlp
-secret b82c168c44310efa0801202065ca1b05ca350f3bc27e261aac759b28070288b7 -workDir "/home/ishitabansal/Desktop/jenkins_slave/"
Sep 12, 2020 10:31:59 PM org.jenkinsci.remoting.engine.WorkDirManager initializeWorkDir
INFO: Using /home/ishitabansal/Desktop/jenkins_slave/remoting as a remoting work directory
Sep 12, 2020 10:31:59 PM org.jenkinsci.remoting.engine.WorkDirManager setupLogging
INFO: Both error and output logs will be printed to /home/ishitabansal/Desktop/jenkins_slave/remoting
Sep 12, 2020 10:32:00 PM hudson.remoting.jnlp.Main createEngine
INFO: Setting up agent: slave1
Sep 12, 2020 10:32:00 PM hudson.remoting.jnlp.Main$CuiListener <init>
INFO: Jenkins agent is running in headless mode.
Sep 12, 2020 10:32:00 PM hudson.remoting.Engine startEngine
INFO: Using Remoting version: 4.3
Sep 12, 2020 10:32:00 PM org.jenkinsci.remoting.engine.WorkDirManager initializeWorkDir
INFO: Using /home/ishitabansal/Desktop/jenkins_slave/remoting as a remoting work directory
Sep 12, 2020 10:32:00 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Locating server among [http://localhost:8080/]
Sep 12, 2020 10:32:00 PM org.jenkinsci.remoting.engine.JnlpAgentEndpointResolver resolve
INFO: Remoting server accepts the following protocols: [JNLP4-connect, Ping]
Sep 12, 2020 10:32:00 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Agent discovery successful
Agent address: localhost
Agent port: 43491
Identity: dc:f5:ca:b2:32:ad:22:1f:98:aa:ec:c1:43:15:65:6b
Sep 12, 2020 10:32:00 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Handshaking
Sep 12, 2020 10:32:00 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Connecting to localhost:43491
Sep 12, 2020 10:32:00 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Trying protocol: JNLP4-connect
Sep 12, 2020 10:32:00 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Remote identity confirmed: dc:f5:ca:b2:32:ad:22:1f:98:aa:ec:c1:43:15:65:6b
Sep 12, 2020 10:32:00 PM hudson.remoting.jnlp.Main$CuiListener status
INFO: Connected
```

Activities Firefox Web Browser Sep 12 22:24

Jenkins - Mozilla Firefox

Upload Assignment: Uplo x Jenkins x +

localhost:8080/computer/new

Jenkins search 3 ishita bansal log out

Jenkins > Nodes >

Back to Dashboard Manage Jenkins New Node Configure Clouds Node Monitoring

Node name slave1

☒ Permanent Agent

Adds a plain, permanent agent to Jenkins. This is called "permanent" because Jenkins doesn't provide higher level of integration with these agents, such as dynamic provisioning. Select this type if no other agent types apply — for example such as when you are adding a physical computer, virtual machines managed outside Jenkins, etc.

OK

Build Queue

No builds in the queue.

Build Executor Status

1 Idle

2 Idle

Page generated: Sep 12, 2020, 10:23:46 PM IST REST API Jenkins 2.235.5

Activities

Firefox Web Browser

Sep 12 22:30

Jenkins - Mozilla Firefox

Upload Assignment: Upl

Jenkins

localhost:8080/computer/createItem

Jenkins

search

ishita bansal

log out

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

Name

slave1

Description

# of executors

1

Remote root directory

/home/ishitabansal/Desktop/jenkins\_slave/

Labels

Usage

Use this node as much as possible

Launch method

Launch agent by connecting it to the master

☐ Disable WorkDir

Custom WorkDir path

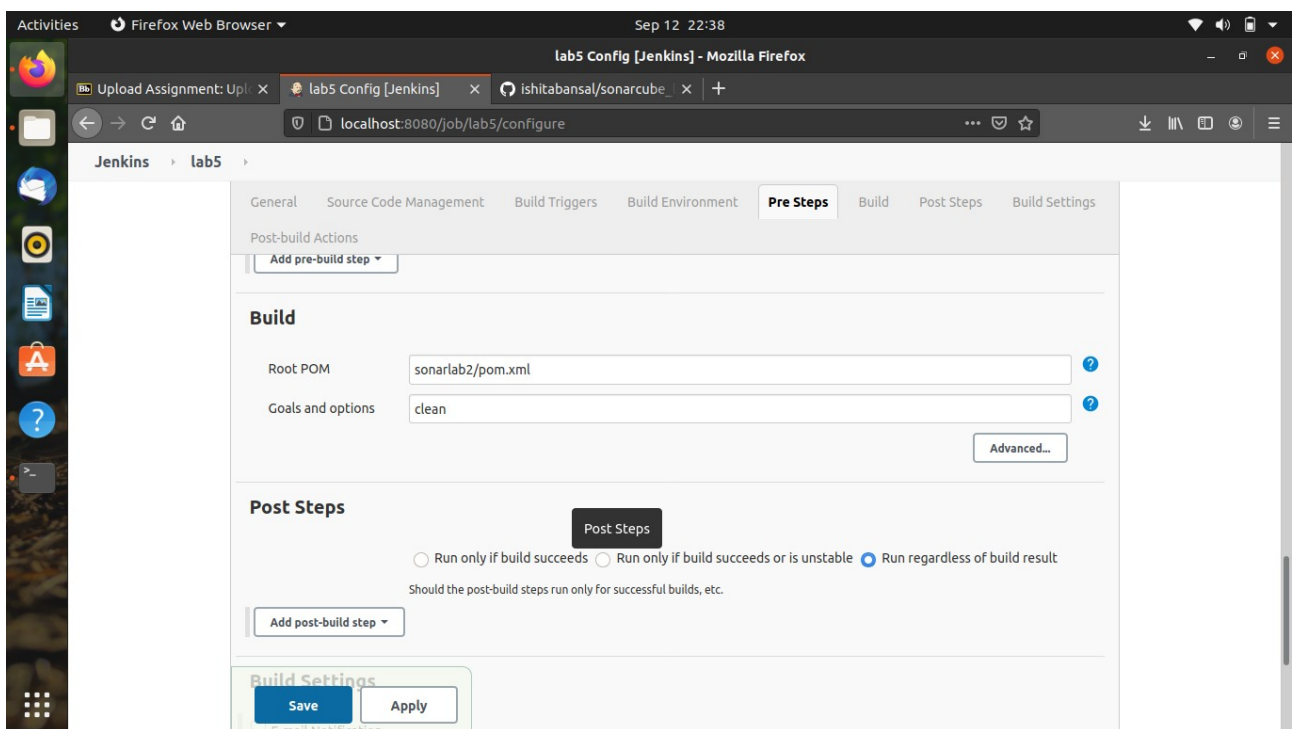
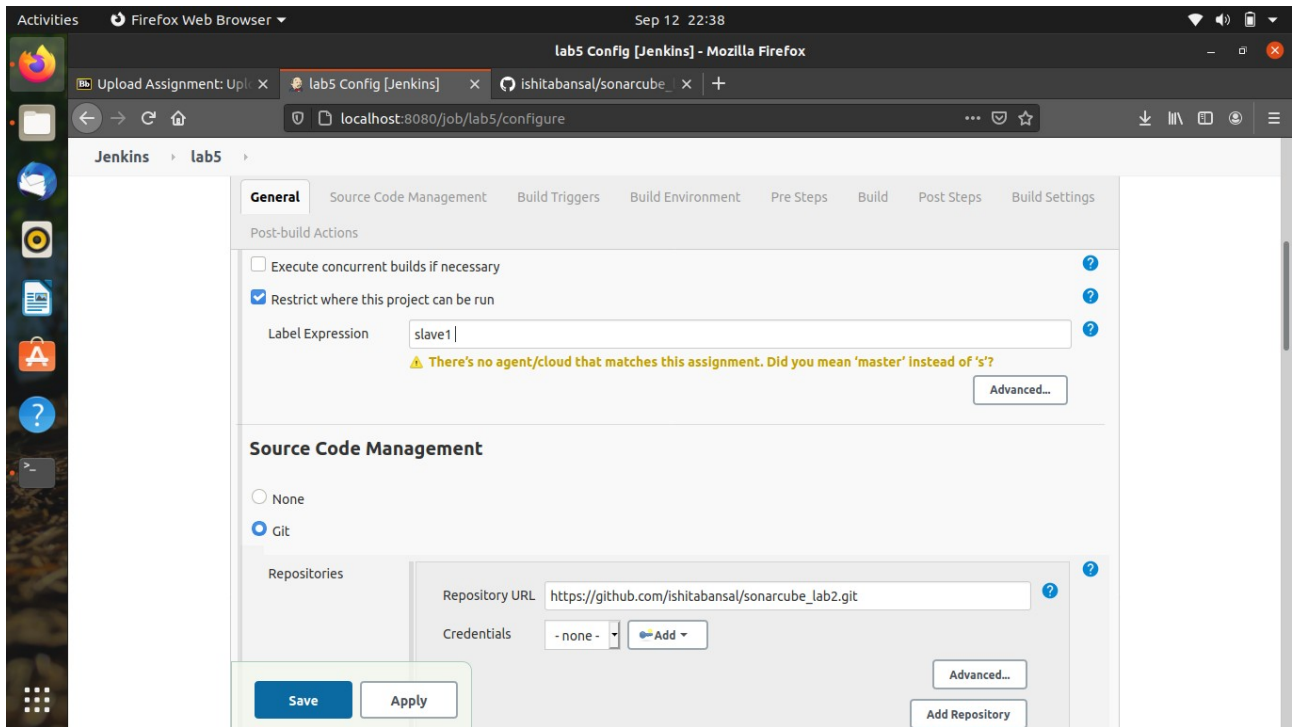
/home/ishitabansal/Desktop/jenkins\_slave/

Internal data directory

remoting

☐ Fail if workspace is missing

☐ Use WebSocket



Activities Firefox Web Browser Sep 12 22:22

Configure Global Security [Jenkins] - Mozilla Firefox

Upload Assignment: Upl... Configure Global Securil... +

localhost:8080/configureSecurity/

Jenkins > Configure Global Security

Markup Formatter Plain text

Treats all input as plain text. HTML unsafe characters like < and & are escaped to their respective character entities.

Agents

TCP port for inbound agents Fixed: Random Disable

Agent protocols...

CSRF Protection

Crumb Issuer Default Crumb Issuer

Enable proxy compatibility

Hidden security warnings

Security warnings...

API Token

Generate a legacy API token for each newly created user (Not recommended)

Allow users to manually create a legacy API token (Not recommended)

Enable API Token usage statistics

Save Apply