

# Master-Slave in Jenkins Without Key-pair

Step 1: Launch the 'Master' and 'slave' Instance without assigning any key pair.

- Install and run the Jenkins in 'Master' terminal.

Step 2: Switch to the slave terminal.

- Switch to the root user by using "sudo su -" command.
- Update the server by using "apt update -y" command.
- Install the java by using "openjdk-17-jre -y" command.

Step 3: Again switch to the 'master' terminal.

- Create the key by using "ssh-keygen" command.

Step 4: Switch to the 'slave' terminal.

- Here switch to the Ubuntu user.
- Switch to the ".ssh" directory by using cd ".ssh/" command.
- In authorised key directory use "vim authorised-key" command.
- Paste the public key.

Step 5: Login to the Jenkins Server.

- Click on Manage Jenkins.
- Click on Nodes.
- Create the Node.
- Give Description, Number of Executors as 2.
- Provide "/home/Ubuntu/Jenkins" in a Remote Root Directory.
- Provide the label Name.
- In Launch Method Select as (Launch agents via SSH) .
- In Host here have to provide the public or private IP address of a Slave.
- In Credential click on add option and add the credentials.

Step 6: Here opens the "Jenkins Credentials Provider"

- In Kind Select the "SSH username with private key" as shown in the above figure.

**Jenkins Credentials Provider: Jenkins**

**Add Credentials**

Domain

Global credentials (unrestricted) ▼

Kind

SSH Username with private key ▼

Scope ?

Global (Jenkins, nodes, items, all child items, etc) ▼

ID ?

Description ?

- Select the private key and add the generated private key.
- And add the created credentials as shown in the figure.

Launch method ?

Launch agents via SSH ▼

Host ?

172.31.1.243

Credentials ?

ubuntu (slave) ▼

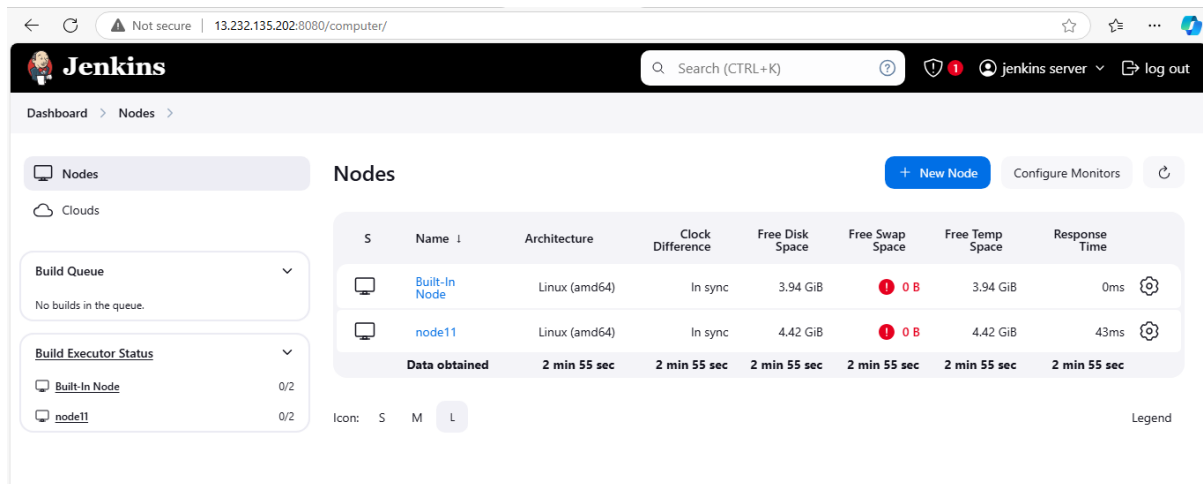
+ Add

Host Key Verification Strategy ?

Non verifying Verification Strategy ▼ ?

Advanced ▼  Edited

- Click on save.
- Here the Node is created successfully as shown in the figure.
- (Note: Confirm the Node is in Online)



Step 7: Go to Dashboard and create a new Job with a freestyle.

- Configure the job and save as shown in figure.

☒ Restrict where this project can be run ?

Label Expression ?

node11

Label node11 matches 1 node. Permissions or other restrictions provided by plugins may further reduce that list.

Advanced ▾

Source Code Management

☐ None

☒ Git ?

Repositories ?

Repository URL ?

https://github.com/Haneef123214/Tom-Cat.git

Credentials ?

- none - ▾

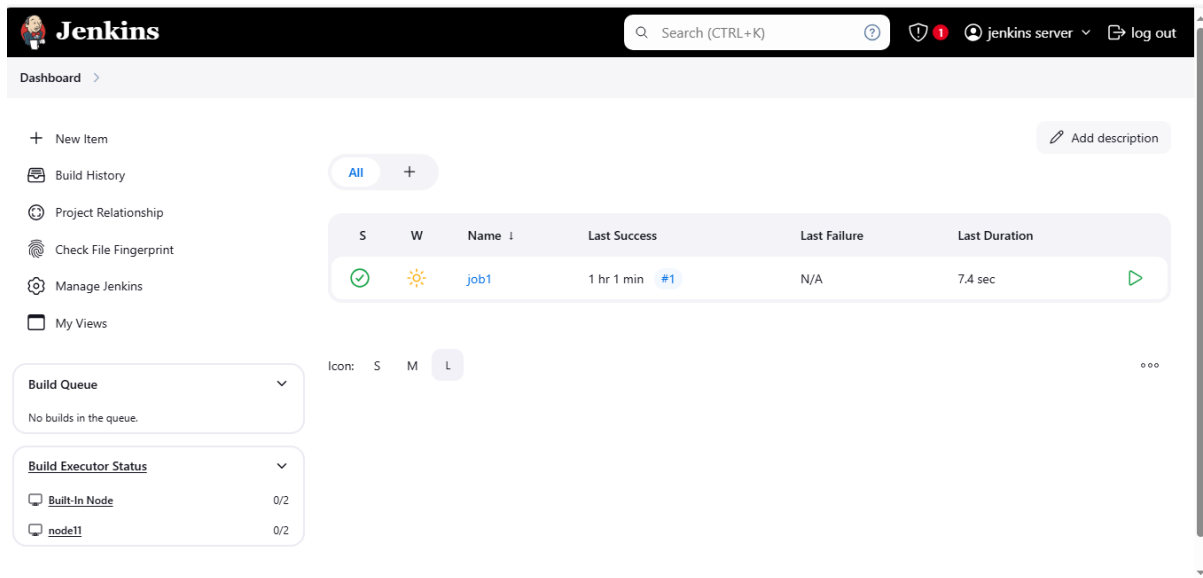
+ Add

Advanced ▾

Add Repository

Save Apply

- Click on Build Now.
- Here the job is successfully build.



- And switch to the slave terminal and check the status as shown in the figure.

