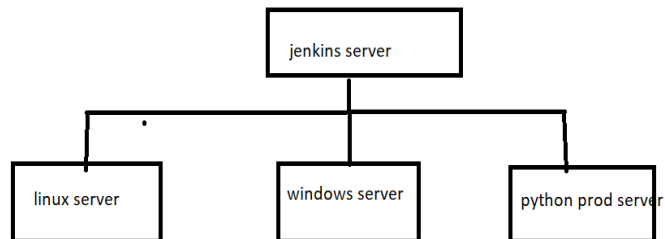


Linux Slave Server adding to jenkins nodes:



STEP1: Open the jenkins server and switch to the Jenkins user in jenkins server

```
[root] su – jenkins
```

```
[jenkins]
```

Generate private and public keys here by using ssh-keygen

```
[jenkins]ssh-keygen -t rsa
```

Type enter, enter , enter

```
[ ]ls -a
```

```
[ ]cd .ssh
```

```
[jenkins .ssh] ls
```

```
Id_rsa  Id_rsa.pub
```

Copy the public_key and open the slave server (prod server)

```
[prod srvr] apt update
```

```
[prod svr] sudo apt-get install fontconfig openjdk-11-jre
```

```
[prod_server] useradd -m jenkins
```

```
[ ]passwd jenkins
```

```
[ ]su - jenkins
```

```
$ bash
```

```
[jenkins]ssh-keygen -t rsa
```

```
Enter enter enter
```

```
[jenk]cd .ssh
```

```
[jenkins] id_rsa id_rsa.pub
```

```
[jenkins] rm id_rsa id_rsa.pub
```

Remove this two keys because we don't require

Create file named `authorized_keys` in this `.ssh` folder and paste public key code of jenkins server (`.ssh` folder public key).

```
[jenkins] vi authorized_keys
```

```
113bjb31nbn3b1nb3kjnb1jb1nk133jkjnb3kjb1
```

```
:wq!
```

Now go to jenkins server to check connection of prod server.

```
[jenkins server] ssh jenkins@1.2.3.4 ->prod server private I/p
```

```
Type yes ...
```

```
[jenkins prod] ---> sucessfully accessed prod server from jenkins server to prod  
svrv
```

```
$
```

```
Exit
```

Now open Jenkins dashboard:

Go to manage jenkins

Select manage nodes

Give name to node: Screenate prod node

Description : prod server joining

No.of exec 1

Remoteroot: /home/jenkins

Labels : Screenateprod

Usage : only build with label expression matching this node.

Launch mode : Launch via SSH

HOST: 1.2.3.4 -> slave private I/p

ADD Credentials:-

Sel SSH and private key

Uname : jenkins

Privatekey:

Paste private key of the jenkins server .ssh id_rsa





Save





Select jenkins credentials : jenkins (which we gave now)

Save


Or else don't do `ssh jenk@pvtip go with process one upto pub shhkey` pasting to `slave auth_keys` and in `jenk slaves` go with manually trust keys instead of going with `known hosts`.


Slave added successfully.

← → ↻ ⚠ Not secure | 192.168.10.51:8080/manage/computer/     ⋮

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Dashboard > Manage Jenkins > Nodes >


 Configure Clouds

 Node Monitoring

Build Queue ▾


No builds in the queue.

Build Executor Status ▾


 Built-In Node







1 Idle

2 Idle

 Linux-126Server

Manage nodes and clouds

[+ 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	428.85 GB	2.00 GB	428.85 GB	0ms 
	Linux-126Server	Linux (amd64)	In sync	240.18 GB	3.92 GB	240.18 GB	21ms 
	windows	Windows Server 2019 (amd64)	In sync	1662.22 GB	159.96 GB	311.12 GB	11ms 
last checked		2 min 37 sec	2 min 37 sec	2 min 37 sec	2 min 37 sec	2 min 37 sec	2 min 37 sec

Now build the using pipeline code and mention slave label name in pipeline
It will get successful..

← → ↻ Not secure | 192.168.10.51:8080/manage/computer/Linux-126Server/configure

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Dashboard > Manage Jenkins > Nodes > Linux-126Server > Configure

Delete Agent

Configure

Build History

Load Statistics

Script Console

Log

System Information

Disconnect

Linux-126Server

Description ?
Linux 126 server where fastTclose is running.
[Plain text] Preview

Number of executors ?
1

Remote root directory ?
/home/jenkins

Save

Build Executor Status

1 Idle

Lin x FastTc Times screen Mail FastTc Word Linux s Webho Jenkins How to Debian Downl

← → ↻ Not secure | 192.168.10.51:8080/manage/computer/Linux-126Server/configure

Gmail YouTube Maps Timesheet.xlsx

Dashboard > Manage Jenkins > Nodes > Linux-126Server > Configure

Labels ?
FastTclose

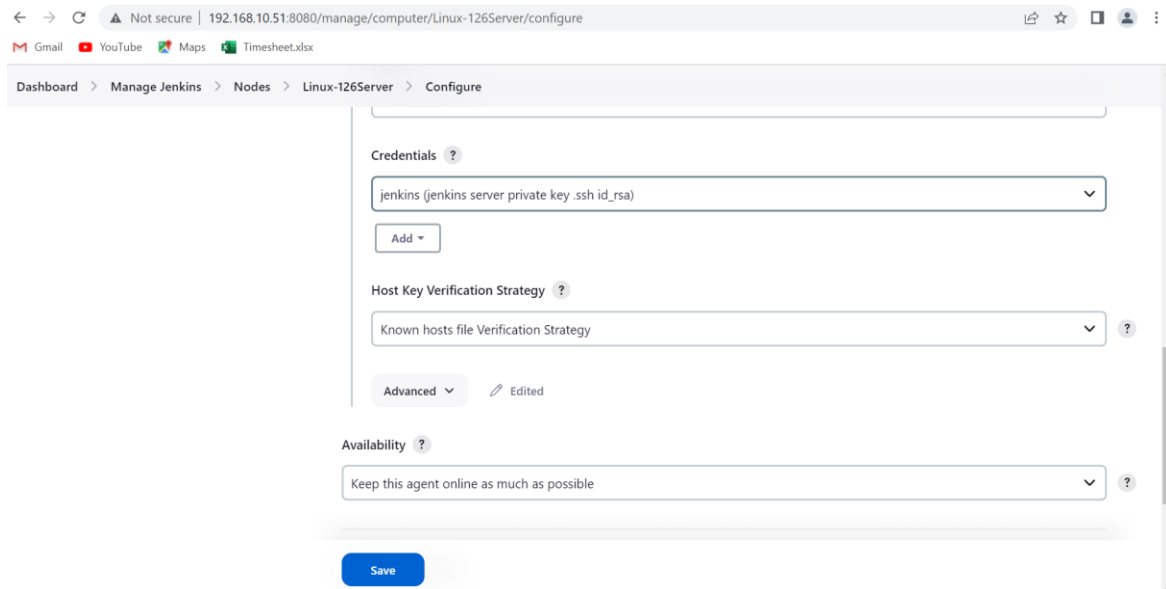
Usage ?
Only build jobs with label expressions matching this node

Launch method ?
Launch agents via SSH

Host ?
192.168.10.126

Credentials ?
jenkins (jenkins server private key .ssh id_rsa)

Save



```
pipeline {
```

```
    agent {label 'FastTclose'}
```

```
    stages {
```

```
        stage('Git checkout') {
```

```
            steps {
```

```
                git branch: 'master', credentialsId: 'PAT', url: 'https://proj.git'
```

```
            }
```

```
        }
```

```
}  
post{  
    failure{  
        mail to: "nadimpali.pradeepk@.com",  
        subject: "jenkins build:${currentBuild.currentResult}: ${env.JOB_NAME}",  
        body: "${currentBuild.currentResult}: Job ${env.JOB_NAME}\nMore Info  
can be found here: ${env.BUILD_URL}"  
    }  
}  
}
```

Process 2:

If SSH port changed to another port and if face host key verification failed.

Login Linux slave server switch to jenkins user and remove .ssh if there and generate the SSH keys

```
[jenkins_slave] ssh-keygen -t rsa
```

Enter

Enter

Enter

```
[/.ssh]ls
```

```
Id_rsa id_rsa.pub
```

Create the file called authorized_keys

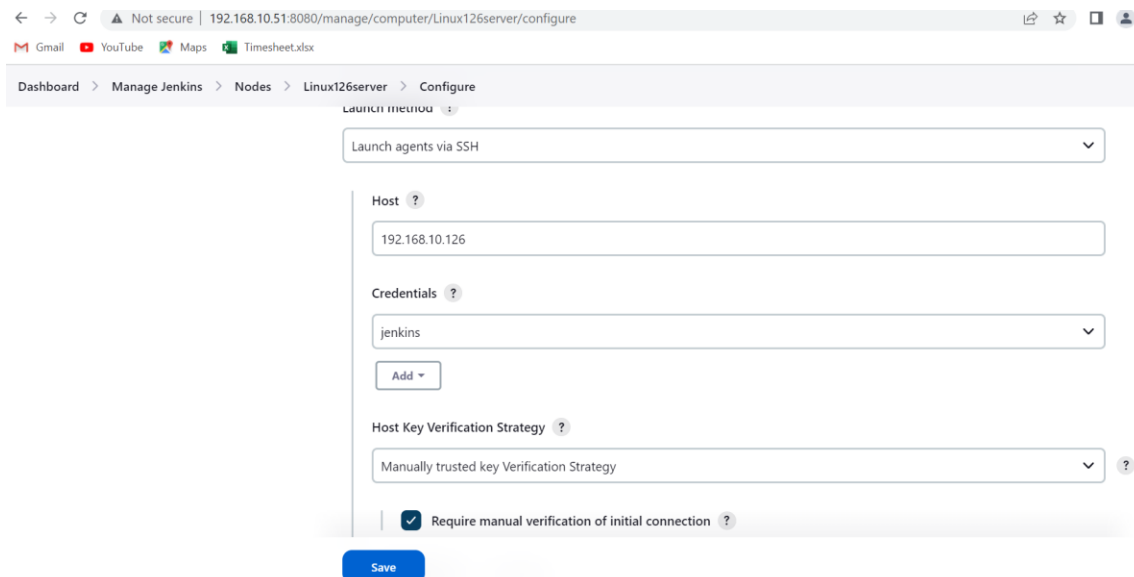
And copy the pubkey of slave ssh to authorized_keys

Vi authorized_keys

Fdggee21ewfewf ewew ew few f ewf ewgf reg reg reg reg re grere
r324 r432 r43 43 32 432 4 32432 43 t45 gtr4 g r4vr4 tr4g rg reg reg eg
eg e gfe gfr gfr gfe g ff df fds fds gfd hre fd ge gfd geg dgdg dsf dsgf s

Come to jenkins manage nodes:

Select add new node and give name to node.



The screenshot shows the Jenkins web interface for configuring a new node. The breadcrumb navigation at the top reads: Dashboard > Manage Jenkins > Nodes > Linux126server > Configure. Below the navigation, there is a 'Launch agents via' dropdown menu set to 'Launch agents via SSH'. The 'Host' field contains the IP address '192.168.10.126'. The 'Credentials' dropdown menu is set to 'jenkins', with an 'Add' button below it. The 'Host Key Verification Strategy' dropdown menu is set to 'Manually trusted key Verification Strategy'. At the bottom, there is a checkbox labeled 'Require manual verification of initial connection' which is checked. A blue 'Save' button is located at the bottom of the form.

Give name and description and select launch mode via SSH

Host : pvt ip of slave

Credentials: sel ssh and pvtkey ,create and select uname jenkins and private key (paste slave ssh private I/p)

Select: jenkins cred which we provided above and

Select hostkey verification strategy : manually trusted key vrfcn strategy

Selct Check req manual vrfctn cnnctn.

Change port if ssh port is changed remove 22 and give ssh new port.

Save and select right side trust hostkey and slave will automatically connected.

"Host key verification failed" means that the **host** key of the remote host was changed.

SSH stores the host keys of the remote hosts in `~/.ssh/known_hosts`. You can either edit that text file manually and remove the old key (you can see the line number in the error message), or use

```
ssh-keygen -R hostname
```

It removes keyhosts file from `.ssh` folder and we will generate it again with new keys.

Process 3:

Error :

```
07/15/23 14:05:32] [SSH] SSH host key matches key  
seen previously for this host. Connection will be  
allowed. ERROR: Server rejected the 1 private key(s)
```

for jenkins (credentialId:jenkins/method:publickey)
[07/15/23 14:05:32] [SSH] Authentication failed.
Authentication failed.

Answer:

**Follow first process copy id_rsa pub of master jenk to slave ssh
authorized_keys and generate the known hosts in jenkins .ssh**

in configure node linux

add name and desc and label and all and Launch method sel ssh

**Add credentials as uname jenkins and passwd of jenk user in 126
server.**

**Sel manually trusted key check mark require manual verification.
and Launch the node again.**

Process 4 :

**[] Create ssh key for both server and copy the public key of jenkins
server to slave server**


**[] in node configure credentials paste private key of jenkins server by
selecting ssh pvtkey.**

**[] in host key verification strategy select manually trusted key
verification and select require manual verification**

Host Key Verification Strategy ?

Manually trusted key Verification Strategy ▼ ?

☒ Require manual verification of initial connection ?

Advanced ▼  Edited

availability ?

Keep this agent online as much as possible ▼ ?

[] after launching, click launched server select trust manually and select yes