

Instances | EC2 Management Co... x Configure System [Jenkins] x +

Not secure | 65.2.167.17:8080/manage/configure

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Dashboard > Manage Jenkins > Configure System >

## Configure System

Home directory ?  
By default, Jenkins stores all of its data in this directory on the file system

/var/lib/jenkins

System Message  
This message will be displayed at the top of the Jenkins main page. This can be useful for posting notifications to your users

[Plain text] Preview

Save Apply

Type here to search Rain coming 14:11 02-11-2022

Instances | EC2 Management Co... x New node [Jenkins] x +

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Dashboard > Manage Jenkins > Nodes >

+ New Node

Configure Clouds

Node Monitoring

Build Queue  
No builds in the queue.

Build Executor Status  
1 Idle  
2 Idle

## New node

Node name  
Linux-slave-1

Type  
☒ 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.

Create

REST API Jenkins 2.375 14:24 02-11-2022

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Connect to instance | EC2 Manu... x EC2 Instance Connect x Jenkins x +

https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0202e4fe70959bb04&osUser=ec2-use... A

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```

  _ _ _ _ _
 _ | ( _ | _ |
 _/ _/ _/ _/

Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
13 package(s) needed for security, out of 16 available
Run "sudo yum update" to apply all updates.
(ec2-user@ip-172-31-45-73 ~)$ mkdir jenkinsws
(ec2-user@ip-172-31-45-73 ~)$ cd jenkinsws/
(ec2-user@ip-172-31-45-73 jenkinsws)$ pwd
/home/ec2-user/jenkinsws
(ec2-user@ip-172-31-45-73 jenkinsws)$

```

i-0202e4fe70959bb04 (jen slave Linux)

PublicIPs: 3.108.221.219 PrivateIPs: 172.31.45.73

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Dashboard > Manage Jenkins > Nodes > Linux-slave-1

Status

Delete Agent

Configure

Build History

Load Statistics

Log

Build Executor Status

Name ?

Linux-slave-1

Description ?

Number of executors ?

1

Remote root directory ?

/home/ec2-user/jenkinsws

Labels ?

Save

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Dashboard > Manage Jenkins > Nodes > Linux-slave-1

/home/ec2-user/jenkinsws

Labels ?

linuxbuildnode

Usage ?

Use this node as much as possible

Launch method ?

Launch agents via SSH

Host ?

3.108.221.219

Credentials ?

-

Save

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Dashboard > Manage Jenkins > Nodes > Linux-slave-1

3.108.221.219

Credentials ?

ec2-user

+ Add

Host Key Verification Strategy ?

Non verifying Verification Strategy

Advanced...

Availability ?

Keep this agent online as much as possible

Save

Type here to search

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Dashboard > Manage Jenkins > Nodes > Linux-slave-1

- Status
- Delete Agent
- Configure
- Build History
- Load Statistics
- Log

Build Executor Status

```
SSHLauncher(host='3.108.221.219', port=22, credentialsId='fc035499-5fb3-48a5-b0e6-37eb81e2727c', jvmOptions='',
javaPath='', prefixStartSlaveCmd='', suffixStartSlaveCmd='', launchTimeoutSeconds=60, maxNumRetries=10, retryWaitTime=15,
sshHostKeyVerificationStrategy=hudson.plugins.sshslaves.verifiers.NonVerifyingKeyVerificationStrategy, tcpNoDelay=true,
trackCredentials=true)
[11/02/22 09:17:17] [SSH] Opening SSH connection to 3.108.221.219:22.
[11/02/22 09:17:17] [SSH] WARNING: SSH Host Keys are not being verified. Man-in-the-middle attacks may be possible
against this connection.
[11/02/22 09:17:17] [SSH] Authentication successful.
[11/02/22 09:17:17] [SSH] The remote user's environment is:
BASH=/usr/bin/bash
BASHOPTS=cwdhist:extquote:force_ignores:hostcomplete:interactive_comments:progcomp:promptvars:sourcepath
BASH_ALIASES=()
BASH_ARGC=()
BASH_ARGV=()
BASH_CMDS=()
BASH_EXECUTION_STRING=set
BASH_LINENO=()
BASH_SOURCE=()
BASH_VERSION='4.2.46(2)-release' [0]="4" [1]="2" [2]="46" [3]="2" [4]="release" [5]="x86_64-koji-linux-gnu"
DIRSTACK=()
EUID=1000
GROUPS=()
HOME=/home/ec2-user
HOSTNAME=ip-172-31-45-73.ap-south-1.compute.internal
```

Connect to instance | EC2 M... x EC2 Instance Connect x Linux-slave-1 log [Jenkins] x jenkins redhat packages - S... x Redhat Jenkins Packages x +

https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0202e4fe70959bb04&osUser=ec2-use... A

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```
/home/ec2-user/jenkinsaws
[ec2-user@ip-172-31-45-73 jenkinsaws]$ cd ..
[ec2-user@ip-172-31-45-73 ~]$ yum install java-11-openjdk
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
You need to be root to perform this command.
[ec2-user@ip-172-31-45-73 ~]$ sudo yum install java-11-openjdk
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
amzn2-core | 3.7 kB 00:00:00
No package java-11-openjdk available.
Error: Nothing to do

java-11-openjdk is available in Amazon Linux Extra topic "java-openjdk11"
To use, run
# sudo amazon-linux-extras install java-openjdk11
Learn more at
https://aws.amazon.com/amazon-linux-2/faqs/#Amazon_Linux_Extras

[ec2-user@ip-172-31-45-73 ~]$ sudo amazon-linux-extras install java-openjdk11
```

i-0202e4fe70959bb04 (jen slave Linux)

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Dashboard > Manage Jenkins > Nodes > Linux-slave-1

```
2022-11-02 09:31:01 AM org.jenkinsci.remoting.engine.WorkDirManager initializeWorkDir
/home/ec2-user/jenkinsws -jar-cache /home/ec2-user/jenkinsws/remoting/jarCache
Nov 02, 2022 9:31:01 AM org.jenkinsci.remoting.engine.WorkDirManager initializeWorkDir
INFO: Using /home/ec2-user/jenkinsws/remoting as a remoting work directory
Nov 02, 2022 9:31:01 AM org.jenkinsci.remoting.engine.WorkDirManager setupLogging
INFO: Both error and output logs will be printed to /home/ec2-user/jenkinsws/remoting
<==[JENKINS REMOTING CAPACITY]==>channel started
Remoting version: 3068.v09b_895d8da_14
Launcher: SSHLauncher
Communication Protocol: Standard in/out
This is a Unix agent
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by jenkins.slaves.StandardOutputSwapper$ChannelSwapper to constructor
java.io.FileDescriptor(int)
WARNING: Please consider reporting this to the maintainers of jenkins.slaves.StandardOutputSwapper$ChannelSwapper
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
Evacuated stdout
Agent successfully connected and online
```

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Dashboard > Manage Jenkins > Nodes >

+ New Node  
Configure Clouds  
Node Monitoring

**Build Queue** No builds in the queue.

**Build Executor Status**

Built-In Node  
1 Idle  
2 Idle

Linux-slave-1  
1 Idle

### Manage nodes and clouds

Refresh status

S	Name	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
	Built-In Node	Linux (amd64)	In sync	16.53 GB	0 B	16.53 GB	0ms
	Linux-slave-1	Linux (amd64)	In sync	6.21 GB	0 B	6.21 GB	196ms
Data obtained			52 sec	52 sec	52 sec	52 sec	52 sec

REST API Jenkins 2.375

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Dashboard > testforslave > Configuration

## Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps
- Post-build Actions

☐ Execute concurrent builds if necessary ?

☒ Restrict where this project can be run ?

Label Expression ?

linuxbuildnode

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

Advanced...

### Source Code Management

☒ None

☐ Git ?

### Build Triggers

Save Apply

Type here to search

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15:16 02-11-2022

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Dashboard > testforslave > Configuration

## Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps
- Post-build Actions

### Build Steps

☒ Execute shell ?

Command

See the list of available environment variables

```
echo hello from slave >> /tmp/hello.txt
```

Advanced...

Add build step

Save Apply

Type here to search

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Dashboard > testforslave >

## Project testforslave

Status

Changes

Workspace

Build Now

Configure

Delete Project

Rename

Add description

Disable Project

### Permalinks

- Last build (#1), 1 min 24 sec ago
- Last stable build (#1), 1 min 24 sec ago
- Last successful build (#1), 1 min 24 sec ago
- Last completed build (#1), 1 min 24 sec ago

Build History trend

Filter builds...

Nov 2, 2022 9:45 AM

Atom feed for all Atom feed for failures

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https://ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0202e4fe70959bb04&osUser=ec2-use... A

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```
60 mock2 available [=stable]
61 dnsmasq2.85 available [=stable]
62 kernel-5.15 available [=stable]
63 postgresql14 available [=stable]
64 firefox available [=stable]
65 lustre available [=stable]
[ec2-user@ip-172-31-45-73 ~]$ ls
-bash: ls: command not found
[ec2-user@ip-172-31-45-73 ~]$ ls
jenkinsws
[ec2-user@ip-172-31-45-73 ~]$ cd jenkinsws/
[ec2-user@ip-172-31-45-73 jenkinsws]$ ls
remoting remoting.jar workspace
[ec2-user@ip-172-31-45-73 jenkinsws]$ cd workspace/
[ec2-user@ip-172-31-45-73 workspace]$ ls
testforslave
[ec2-user@ip-172-31-45-73 workspace]$ cd testforslave/
[ec2-user@ip-172-31-45-73 testforslave]$ ls
[ec2-user@ip-172-31-45-73 testforslave]$ cd /tmp/
[ec2-user@ip-172-31-45-73 tmp]$ ls
hello.txt hspcrdata_ec2-user hspcrdata_root systemd-private-dd95ff2f61154f41b244daa9f74d9961-chronyd.service-RM17vb
[ec2-user@ip-172-31-45-73 tmp]$
```

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