

Jenkins-2

1) Configure 2 slave machines in jenkins master.

```
[11/29/24 01:44:24] [SSH] Checking java version of java
[11/29/24 01:44:24] [SSH] java -version returned 17.0.13.
[11/29/24 01:44:24] [SSH] Starting sftp client.
[11/29/24 01:44:24] [SSH] Copying latest remoting.jar...
[11/29/24 01:44:25] [SSH] Copied 1,393,083 bytes.
Expanded the channel window size to 4MB
[11/29/24 01:44:25] [SSH] Starting agent process: cd "/home/ec2-user" && java -jar remoting.jar -workDir /home/ec2-user
-jar-cache /home/ec2-user/remoting/jarCache
Nov 29, 2024 1:44:25 AM org.jenkinsci.remoting.engine.WorkDirManager initializeWorkDir
INFO: Using /home/ec2-user/remoting as a remoting work directory
Nov 29, 2024 1:44:25 AM org.jenkinsci.remoting.engine.WorkDirManager setupLogging
INFO: Both error and output logs will be printed to /home/ec2-user/remoting
<===[JENKINS REMOTING CAPACITY]==>channel started
Remoting version: 3261.v9c670a_4748a_9
Launcher: SSHLauncher
Communication Protocol: Standard in/out
This is a Unix agent
Agent successfully connected and online
```

Nodes

Clouds

Build Queue

Build Executor Status

Build-In Node

slava-1

Nodes

New Node

Configure Monitors

S	Name	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
	Built-In Node	Linux (amd64)	In sync	17.59 GiB	0 B	470.33 MiB	0ms
	slava-1	Linux (amd64)	In sync	6.06 GiB	0 B	474.58 MiB	44ms
Data obtained		3 min 25 sec	3 min 25 sec	3 min 25 sec	3 min 25 sec	3 min 25 sec	3 min 25 sec

Icons: S M L

Legend

2) Configure webhooks to jenkins job.

▼	✓	☀	ggg	8 min 54 sec	#1	N/A	51 ms	▶
	✓	☀	private-repo	22 hr	#2	N/A	0.38 sec	▶
▲	✓	☀	rakesh_job3	22 hr	#4	N/A	0.12 sec	▶
	✓	☀	webhooks	5.2 sec	#1	N/A	0.62 sec	▶

Icon: S M L

...

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Webhooks

Add webhook

Webhooks allow external services to be notified when certain events happen. When the specified events happen, we'll send a POST request to each of the URLs you provide. Learn more in our [Webhooks Guide](#).

ins

▼

✓ <http://3.92.227.160:8081/github-we...> (push)

Last delivery was successful.

Edit

Delete

3) Configure poll scm and build periodical options in jenkins job.

- ☐ build after other projects are built ?
- ☐ Build periodically ?
- ☐ Build when a change is pushed to BitBucket
- ☐ GitHub hook trigger for GITScm polling ?
- ☒ Poll SCM ?

Schedule ?

⚠ Do you really mean "every minute" when you say "***"? Perhaps you meant "H *****" to poll once per hour**
Would last have run at Thursday, November 28, 2024 at 10:38:09 AM Coordinated Universal Time; would next run at Thursday, November 28, 2024 at 10:38:09 AM Coordinated Universal Time.

- ☒ Ignore post-commit hooks ?

Dashboard > pollscm > #2 > Console Output

Status

Changes

Console Output

Edit Build Information

Delete build '#2'

Polling Log

Timings

Git Build Data

Previous Build

Console Output

Download

Copy

View as pl

```
Started by an SCM change
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/pollscm
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/pollscm/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/Rakeshpagidimarri/techie-thorizon.git # timeout=10
Fetching upstream changes from https://github.com/Rakeshpagidimarri/techie-thorizon.git
> git --version # timeout=10
> git --version # 'git version 2.40.1'
> git fetch --tags --force --progress -- https://github.com/Rakeshpagidimarri/techie-thorizon.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 4d5e100a023fe9422114119649cb327f750d280a (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 4d5e100a023fe9422114119649cb327f750d280a # timeout=10
Commit message: "Add files via upload"
```

Filter			
Today			
✓	#27	11:13 AM	▼
✓	#26	11:12 AM	▼
✓	#25	11:11 AM	▼
✓	#24	11:10 AM	▼
✓	#23	11:09 AM	▼
✓	#22	11:08 AM	▼
✓	#21	11:07 AM	▼
✓	#20	11:06 AM	▼
✓	#19	11:05 AM	▼
✓	#18	11:04 AM	▼
✓	#17	11:03 AM	▼

4) Take backup of jenkins server by using bash script.

```

./ssh/
./ssh/known_hosts
./credentials.xml
./nodes/
./nodes/slava-1/
./nodes/slava-1/config.xml
./fingerprints/
./fingerprints/81/
./fingerprints/81/69/
./fingerprints/81/69/cd06627dbc80b66beb6e607de01c.xml
./hudson.plugins.emailtext.ExtendedEmailPublisher.xml
./jenkins.model.GlobalComputerRetentionCheckIntervalConfiguration.xml
./jenkins.security.ResourceDomainConfiguration.xml
./jenkins.metrics.api.MetricsAccessKey.xml
./org.jenkinsci.plugins.workflow.Flow.GlobalDefaultFlowDurabilityLevel.xml
./com.cloudbees.hudson.plugins.folder.config.AbstractFolderConfiguration.xml
./hudson.plugins.build_timeout.global.GlobalTimeOutConfiguration.xml
./hudson.plugins.gradle.enriched.EnrichedSummaryConfig.xml
./hudson.plugins.gradle.injection.InjectionConfig.xml
./hudson.plugins.timestamp.TimestamperConfig.xml
./io.jenkins.plugins.junit.storage.JUnitTestResultStorageConfiguration.xml
./jenkins.fingerprints.GlobalFingerprintConfiguration.xml
./jenkins.model.ArtifactManagerConfiguration.xml
./jenkins.model.GlobalBuildDiscarderConfiguration.xml
./jenkins.tasks.filters.EnvVarsFilterGlobalConfiguration.xml
./org.jenkinsci.plugins.displayurlapi.DefaultDisplayURLProviderGlobalConfiguration.xml
./github-plugin-configuration.xml
./org.jenkinsci.plugins.github_branch_source.GitHubConfiguration.xml
./org.jenkinsci.plugins.workflow.libs.GlobalLibraries.xml
./org.jenkinsci.plugins.workflow.libs.GlobalUntrustedLibraries.xml
./org.jvnet.hudson.plugins.thinbackup.ThinBackupPluginImpl.xml
./hudson.plugins.build_timeout.operations.BuildStepOperation.xml
./hudson.plugins.git.GitSCM.xml
./hudson.tasks.Shell.xml
./hudson.tasks.Mailer.xml
./hudson.triggers.SCMTrigger.xml
./owner
./labels/
./labels/java.xml
Backup completed: /backup/jenkins/jenkins_backup_2024-11-29_02-17-25.tar.gz
[root@ip-172-31-29-124 ~]# |

[root@ip-172-31-29-124 lib]# cd ..
[root@ip-172-31-29-124 var]# cd ..
[root@ip-172-31-29-124 /]# ls
backup bin boot dev etc home lib lib64 local media mnt opt proc root run sbin srv sys temp usr var
[root@ip-172-31-29-124 /]# cd backup
[root@ip-172-31-29-124 backup]# ls
jenkins
[root@ip-172-31-29-124 backup]# cd jenkins
[root@ip-172-31-29-124 jenkins]# ls
jenkins_backup_2024-11-29_02-17-25.tar.gz
[root@ip-172-31-29-124 jenkins]# |

```

5) Take backup of jenkins using rethin backup plugin.

3.92.227.160:8081/manage/pluginManager/updates/


Search (CTRL+K) admin log out


kins > Plugins

Download progress

Preparation

- Checking internet connectivity
- Checking update center connectivity
- Success

ThinBackup  Installing

Loading plugin extensions  Pending

→ [Go back to the top page](#)
(you can start using the installed plugins right away)

→ ☐ Restart Jenkins when installation is complete and no jobs are running

ThinBackup Configuration

Backup directory ?

/var/lib/jenkins/thin_backup

Backup schedule for full backups ?

Backup schedule for differential backups ?

Max number of backup sets ?

-1

Files excluded from backup (regular expression) ?

6) Setup a new jenkins server and dump the backup taken in task4.

```
workspace
[root@ip-172-31-29-124 jenkins]# vi rakesh.pem
[root@ip-172-31-29-124 jenkins]# chmod 600 rakesh.pem
[root@ip-172-31-29-124 jenkins]# scp -i rakesh.pem jenkins_backup.tar ec2-user@3.93.215.132
:/tmp
The authenticity of host '3.93.215.132 (3.93.215.132)' can't be established.
ED25519 key fingerprint is SHA256:Ltm/Bsd75lJrZeq6J+S00WthYi5B4lBkKAXHfEWhxyU.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '3.93.215.132' (ED25519) to the list of known hosts.
jenkins_backup.tar                                100% 156MB 77.1MB/s   00:02
[root@ip-172-31-29-124 jenkins]# |
```

```
jenkins_backup.tar
jetty-0.0.0.0-8080-war-_-any-3158332994840233358
systemd-private-c4d944f9ecac42c79423c6a4c2b30bf3-chrond.service-6UhXQ0
systemd-private-c4d944f9ecac42c79423c6a4c2b30bf3-dbus-broker.service-MtSXAr
systemd-private-c4d944f9ecac42c79423c6a4c2b30bf3-policy-routes@enX0.service-cj1VLg
systemd-private-c4d944f9ecac42c79423c6a4c2b30bf3-systemd-logind.service-cYdz4n
systemd-private-c4d944f9ecac42c79423c6a4c2b30bf3-systemd-resolved.service-YXzLsg
winstone18326761592153747000.jar
[root@ip-172-31-94-7 tmp]# cp jenkins_backup.tar /var/lib/jenkins
[root@ip-172-31-94-7 tmp]# cd ..
[root@ip-172-31-94-7 /]# cd /var/lib/jenkins
[root@ip-172-31-94-7 jenkins]# ls
config.xml                               jenkins.install.InstallUtil.lastExecVersion      jenkins_backup.tar  plugins                               updates
hudson.model.UpdateCenter.xml            jenkins.install.UpgradeWizard.state              jobs               secret.key                            userContent
hudson.plugins.git.GitTool.xml           jenkins.model.JenkinsLocationConfiguration.xml   logs               secret.key.not-so-secret             users
identity.key.enc                         jenkins.telemetry.Correlator.xml                  nodeMonitors.xml    secrets
[root@ip-172-31-94-7 jenkins]# cp jenkins_backup.tar /var/lib
[root@ip-172-31-94-7 jenkins]# cd ..
[root@ip-172-31-94-7 lib]# ls
alternatives  chronty  dnf      gssproxy  initramfs  jenkins_backup.tar  logrotate  nfs      portables  rpm      selinux  systemd  xfsdump
amazon        cloud    games    hibinit-agent  jenkins    kpatch              misc       os-prober  private   rpm-state  sss      update-motd  yum
[root@ip-172-31-94-7 lib]# tar xvf jenkins_backup.tar
./
././java/
././java/fonts/
././java/fonts/17.0.13/
././java/fonts/17.0.13/fcinfo-1-ip-172-31-29-124.ec2.internal-Amazon Linux-2023-en-.properties
./secret.key
./secret.key.not-so-secret
./plugins/
./plugins/ionicons-api.jpi
./plugins/ionicons-api/
./plugins/ionicons-api/META-INF/
```

Dashboard [▶](#)

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New Item

📅

Build History

🔗

Project Relationship

🔍

Check File Fingerprint

⚙️

Manage Jenkins

📁

My Views

✎

Add description

All

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S	W	Name	Last Success	Last Failure	Last Duration
🟢	☀️	frist-job	8 hr 59 min #3	N/A	0,15 sec ▶
🔴	☁️	salve1	N/A	7 hr 56 min #2	0,14 sec ▶

Build Queue

▼

No builds in the queue.

Build Executor Status

▼

Icon:

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