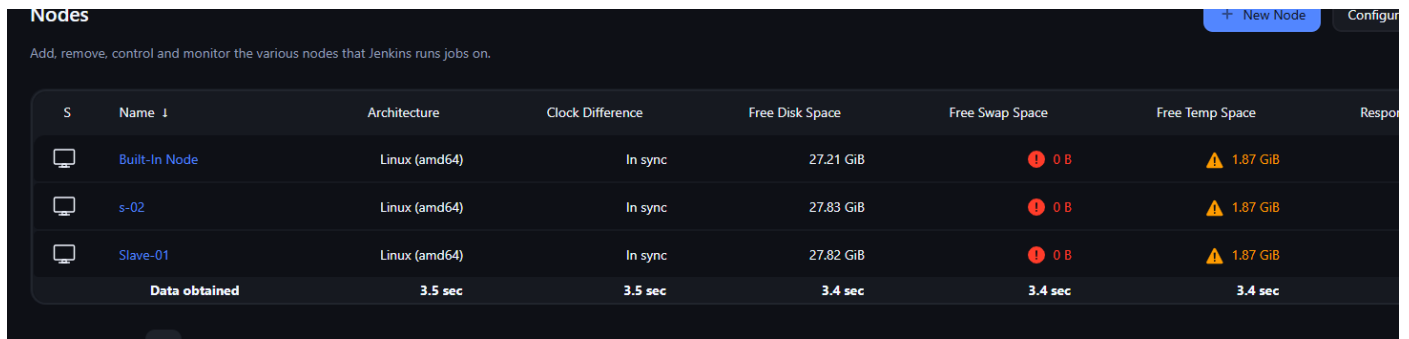


Jenkins Tasks - 02

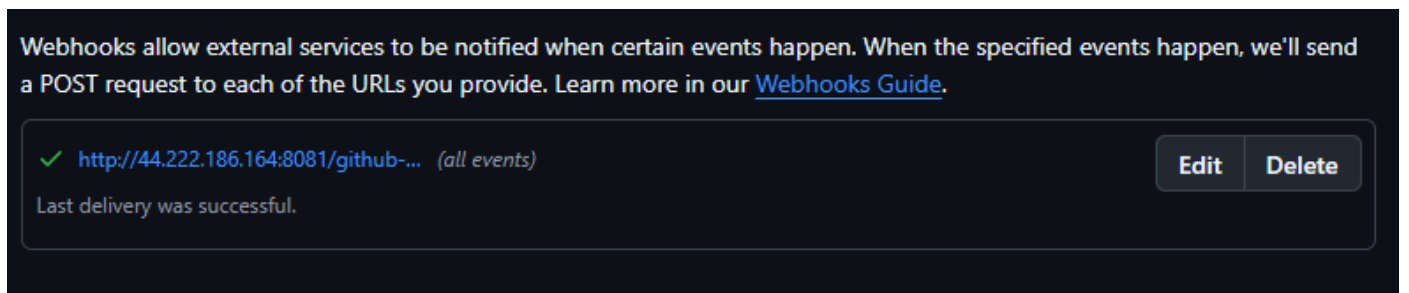
- Configure 2 slave machines in the Jenkins master.



The screenshot shows the Jenkins 'Nodes' configuration page. It has a title bar with '+ New Node' and 'Configure' buttons. Below the title is a description: 'Add, remove, control and monitor the various nodes that Jenkins runs jobs on.' The main content is a table with columns: S, Name, Architecture, Clock Difference, Free Disk Space, Free Swap Space, Free Temp Space, and Response Time. There are three nodes listed: 'Built-In Node', 's-02', and 'Slave-01'. All three nodes are Linux (amd64) and 'In sync'. The 'Free Swap Space' column shows a red warning icon and '0 B' for all nodes. The 'Free Temp Space' column shows a yellow warning icon and '1.87 GiB' for all nodes. At the bottom, there is a summary row for 'Data obtained' showing '3.5 sec' for Clock Difference, '3.5 sec' for Free Disk Space, and '3.4 sec' for Free Temp Space.

S	Name	Architecture	Clock Difference	Free Disk Space	Free Swap Space	Free Temp Space	Response Time
	Built-In Node	Linux (amd64)	In sync	27.21 GiB	0 B	1.87 GiB	
	s-02	Linux (amd64)	In sync	27.83 GiB	0 B	1.87 GiB	
	Slave-01	Linux (amd64)	In sync	27.82 GiB	0 B	1.87 GiB	
Data obtained		3.5 sec	3.5 sec	3.4 sec	3.4 sec	3.4 sec	

- Configure webhooks for the Jenkins job.



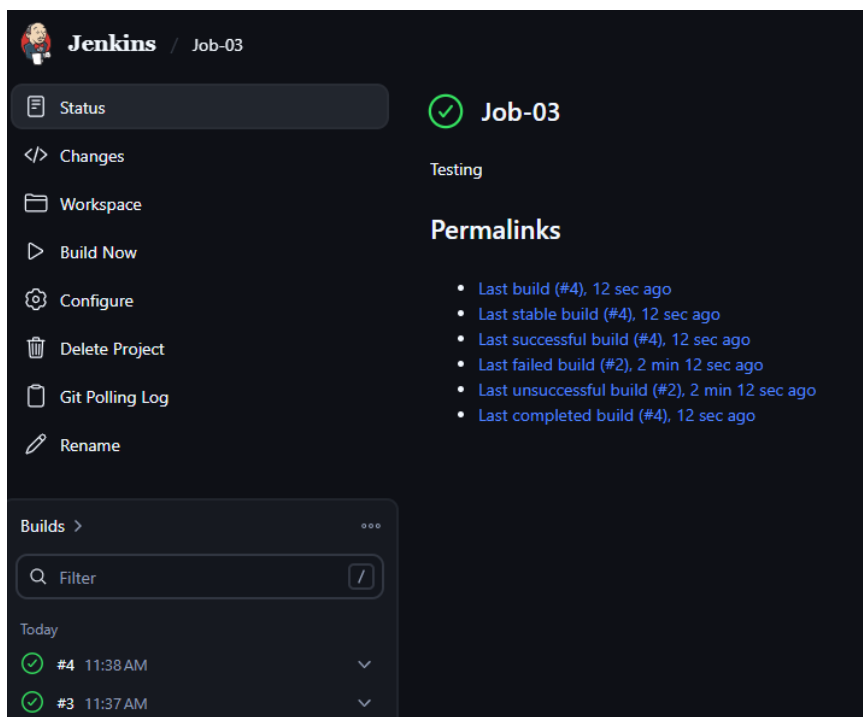
The screenshot shows the Jenkins 'Webhooks' configuration page. It has a title bar with 'Webhooks'. Below the title is a description: 'Webhooks allow external services to be notified when certain events happen. When the specified events happen, we'll send a POST request to each of the URLs you provide. Learn more in our [Webhooks Guide](#).' There is a list of webhooks with one entry: 'http://44.222.186.164:8081/github-... (all events)'. The entry has a green checkmark icon and a status 'Last delivery was successful.' To the right of the entry are 'Edit' and 'Delete' buttons.

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](#).

✓ [http://44.222.186.164:8081/github-...](#) (all events) Edit Delete

Last delivery was successful.

- Configure **Poll SCM** and **Build Periodically** options in the Jenkins job.
- Poll SCM



The screenshot shows the Jenkins 'Job-03' configuration page. It has a title bar with 'Jenkins / Job-03'. Below the title is a sidebar with navigation links: Status, Changes, Workspace, Build Now, Configure, Delete Project, Git Polling Log, and Rename. The main content area shows the 'Job-03' status as 'Testing' with a green checkmark icon. Below the status is a 'Permalinks' section with a list of links: 'Last build (#4), 12 sec ago', 'Last stable build (#4), 12 sec ago', 'Last successful build (#4), 12 sec ago', 'Last failed build (#2), 2 min 12 sec ago', 'Last unsuccessful build (#2), 2 min 12 sec ago', and 'Last completed build (#4), 12 sec ago'. At the bottom, there is a 'Builds' section with a search filter and a list of builds: '#4 11:38 AM' and '#3 11:37 AM', both with green checkmark icons.

Jenkins / Job-03

Status

Changes

Workspace

Build Now

Configure

Delete Project

Git Polling Log

Rename

Job-03

Testing

Permalinks

- Last build (#4), 12 sec ago
- Last stable build (#4), 12 sec ago
- Last successful build (#4), 12 sec ago
- Last failed build (#2), 2 min 12 sec ago
- Last unsuccessful build (#2), 2 min 12 sec ago
- Last completed build (#4), 12 sec ago

Builds

Filter

Today

- #4 11:38 AM
- #3 11:37 AM

Build Periodically


Jenkins Tasks - 02

☒ Build periodically ?

Schedule ?

⚠ Do you really mean "every minute" when you say "*****"? Perhaps you meant "H*****" to poll once

Would last have run at Tuesday, February 10, 2026, 11:40:00 AM Coordinated Universal Time; would next run

 **Jenkins** / Job-03 ▾ / #5

Status

</> Changes

📄 Console Output

📝 Edit Build Information

🗑 Delete build '#5'

⌚ Timings

🔍 Git Build Data

← Previous Build

✓ #5 (Feb 10, 2026, 11:41:00 AM)

🕒 Started by timer

🕒 This run spent:

- 3 ms waiting;
- 0.53 sec build duration;
- 0.53 sec total from scheduled to completion.

git

Revision: 3376628dc9cd546daf67d857c0e1e7ac557c690b
Repository: <https://github.com/VikaasTaimoor/Testing.git>

- origin/main

Jenkins Tasks - 02

- Take a backup of the Jenkins server using a **bash-script**.

```
#!/bin/bash

DATE=$(date +%F-%H-%M)
BACKUP_DIR="/tmp/jenkins-backup-$DATE"
JENKINS_HOME="/var/lib/jenkins"
S3_BUCKET="s3://jenkins-backup-bucket2010"

mkdir -p $BACKUP_DIR

# Stop Jenkins (safe backup)
sudo systemctl stop jenkins

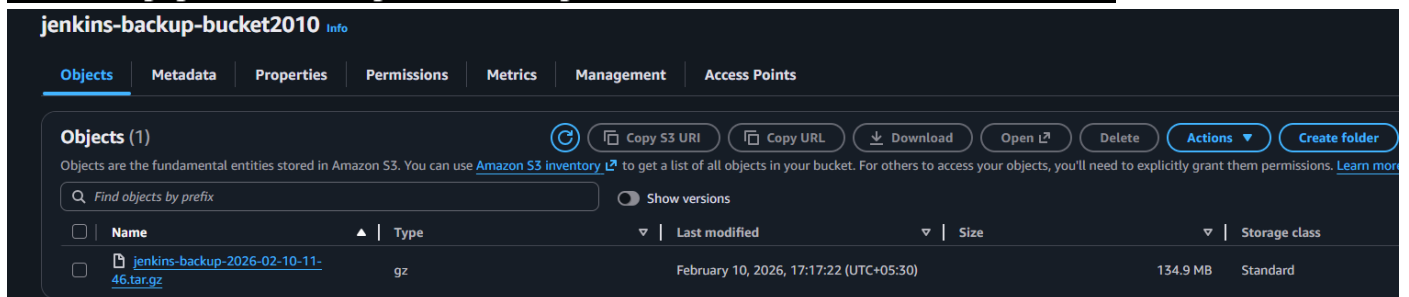
# Copy Jenkins data
rsync -av --exclude='workspace' $JENKINS_HOME/ $BACKUP_DIR/

# Start Jenkins
sudo systemctl start jenkins

# Create tar file
tar -czf /tmp/jenkins-backup-$DATE.tar.gz -C /tmp jenkins-backup-$DATE

# Upload to S3
aws s3 cp /tmp/jenkins-backup-$DATE.tar.gz $S3_BUCKET/

# Cleanup
rm -rf $BACKUP_DIR
rm -f /tmp/jenkins-backup-$DATE.tar.gz
```



- Take a backup of Jenkins using the **ThinBackup** plugin.

```
[ec2-user@ip-172-31-72-218 ~]$ cd /var/lib/jenkins/thinbackup
[ec2-user@ip-172-31-72-218 thinbackup]$ ls
FULL-2026-02-10_11-52
[ec2-user@ip-172-31-72-218 thinbackup]$
```

- Set up a new Jenkins server and restore the backup taken in task 4.
- Backup was taken from s3 bucket and was extracted in /var/lib/jenkins

Jenkins Tasks - 02

```
2 sudo aws s3 sync s3://jenkins-backup-bucket/thinbackup /var/lib/jenkins/thinbackup
3 sudo aws s3 sync s3://jenkins-backup-bucket2010/thinbackup /var/lib/jenkins/thinbackup
4 aws s3 ls s3://jenkins-backup-bucket2010/
5 aws s3 ls s3://jenkins-bucket-backup2010/thinbackup/
6 aws s3 ls s3://jenkins-bucket-backup2010/thinbackup/clear
7 clear
8 aws s3 cp s3://jenkins-backup-bucket2010/jenkins-backup-2026-02-10-11-46.tar.gz /tmp/
9 systemctl stop jenkins
10 sudo systemctl stop jenkins
11 sudo rm -rf /var/lib/jenkins/*
12 sudo tar -xzf /tmp/jenkins-backup-2026-02-10-11-46.tar.gz -C /var/lib/jenkins --strip-components=1
13 sudo chown -R jenkins:jenkins /var/lib/jenkins
14 sudo systemctl start jenkins
15 sudo cat /var/lib/jenkins/secrets/initialAdminPassword
16 sudo cd /var/lib/jenkins/secrets/
17 sudo tar -xzf /tmp/jenkins-backup-2026-02-10-11-46.tar.gz -C /var/lib/jenkins --strip-components=1
18 ls -lh /tmp/jenkins-backup-2026-02-10-11-46.tar.gz
19 aws s3 cp s3://jenkins-backup-bucket2010/jenkins-backup-2026-02-10-11-46.tar.gz /tmp/
20 ls -lh /tmp/jenkins-backup-2026-02-10-11-46.tar.gz
21 tar -tzf /tmp/jenkins-backup-2026-02-10-11-46.tar.gz | head -10
22 sudo ls /var/lib/jenkins
23 sudo chown -R jenkins:jenkins /var/lib/jenkins
24 cd /var/lib
25 ll
26 ls -l /var/lib/jenkins | head
27 sudo systemctl start jenkins
28 sudo systemctl status jenkins
```

← → ↺ ⚠ Not secure 54.242.33.175:8080

🗄 | 📺 Watch Cartoons an... 📺 Minimalism wallpap... 📺 YouTube 📺 The Official Home o... 📧 Gmail 📍 Maps 🇨🇦 Viqaas Taimoo

Jenkins

+ New Item

📁 Build History

🕒 Project Relationship

🔍 Check File Fingerprint

Build Queue (1)

[Job-03](#) ✖

Build Executor Status

🖥 [Built-In Node](#) 0/2

🖥 [Slave-01](#) (🔄 launching...)

🖥 [s-02](#) (🔄 launching...)

S	W	Name ↓
⋮	☀	Job-01
✅	☀	Job-03
⋮	☀	Job-2
⋮	☀	Private-Job