⭐ Jenkins Restore Guide (From S3 Backup)

Backup example:

```
jenkins-backup-2026-02-10-11-46.tar.gz
```

☑ STEP 1 — Stop Jenkins

```
sudo systemctl stop jenkins
```

Check:

```
sudo systemctl status jenkins
```

Expected:

```
inactive (dead)
```

☑ STEP 2 — Download Backup from S3

```
aws s3 cp s3://jenkins-backup-bucket2010/jenkins-backup-2026-02-10-11-46.tar.gz /tmp/
```

Check file exists:

```
ls -lh /tmp/jenkins-backup-2026-02-10-11-46.tar.gz
```

☑ STEP 3 — Inspect Tar Structure (VERY IMPORTANT)

```
tar -tzf /tmp/jenkins-backup-2026-02-10-11-46.tar.gz | head
```

If you see:

```
jenkins-backup-2026-02-10-11-46/...
```

👉 Use `--strip-components=1`

☑ STEP 4 — Clear Existing Jenkins Data

```
sudo rm -rf /var/lib/jenkins/*
```

Check empty:

```
sudo ls /var/lib/jenkins
```

☑ STEP 5 — Restore Jenkins Home

Because your backup HAS a top folder, run:

```
sudo tar -xzf /tmp/jenkins-backup-2026-02-10-11-46.tar.gz -C /var/lib/jenkins --strip-components=1
```

☑ STEP 6 — Fix Permissions (CRITICAL STEP)

```
sudo chown -R jenkins:jenkins /var/lib/jenkins
```

Check:

```
ls -l /var/lib/jenkins | head
```

Owner must be:

```
jenkins jenkins
```

☑ STEP 7 — Start Jenkins

```
sudo systemctl start jenkins
```

Check:

```
sudo systemctl status jenkins
```

Expected:

```
active (running)
```

☑ STEP 8 — Verify Restore

Open:

http://<jenkins-ip>:8080

You should see:

- Jobs restored
- Plugins restored
- Users restored

Login using **old Jenkins credentials**.

🔬 QUICK SERVER CHECKS (use anytime)

Check jobs:

```
sudo ls /var/lib/jenkins/jobs
```

Check plugins:

```
sudo ls /var/lib/jenkins/plugins
```

Check users:

```
sudo ls /var/lib/jenkins/users
```

🧠 MEMORY VERSION (Ultra Short)

```
Stop Jenkins
Download tar from S3
rm -rf /var/lib/jenkins/*
tar extract with --strip-components=1
chown -R jenkins:jenkins /var/lib/jenkins
Start Jenkins
```