

1. Upgrade Jenkins to Version 2.4.7 Using Package Manager (APT/YUM)

For Ubuntu/Debian (APT):

1. Stop Jenkins Service:

```
sudo systemctl stop jenkins
```

2. Install the Specific Version (2.4.7): Install Jenkins version 2.4.7 using the package manager:

```
sudo apt install jenkins=2.4.7
```

3. Verify the Jenkins Version: Confirm that Jenkins has been upgraded to 2.4.7:

```
jenkins --version
```

4. Start Jenkins Service: Restart Jenkins:

```
sudo systemctl start Jenkins
```

2. Upgrade Jenkins to Version 2.4.7 Using WAR File

1. Stop Jenkins: If Jenkins is running as a service, stop it using:

```
sudo systemctl stop jenkins
```

Or, if you're running Jenkins manually via the WAR file, stop it by pressing **CTRL + C** in the terminal where it's running.

2. Download Jenkins 2.4.7 WAR File: Download the specific version (2.4.7) of the Jenkins .war file using `wget`:

```
wget https://updates.jenkins-ci.org/download/war/2.4.7/jenkins.war
```

3. Replace the Old WAR File: Move the newly downloaded `jenkins.war` file to the location where your Jenkins WAR file is located (e.g., `/opt/jenkins/` or `/usr/share/jenkins/`):

```
sudo mv jenkins.war /opt/jenkins/jenkins.war
```

4. Start Jenkins Again: If you run Jenkins as a service, restart Jenkins:

```
sudo systemctl start jenkins
```

Or, if running manually via the WAR file, use:

```
java -jar /opt/jenkins/jenkins.war
```

5. **Verify the Jenkins Version:** Open Jenkins in your browser (usually at `http://localhost:8080`) and check the version in the "About Jenkins" section or use this command:

```
java -jar /opt/jenkins/jenkins.war --version
```

Important Notes:

- **Backup Jenkins:** Before upgrading, ensure you back up your `JENKINS_HOME` directory, as this contains your job configurations, plugins, and other important data.
- **Plugin Compatibility:** After upgrading, ensure that your plugins are compatible with the version you're upgrading to. You may need to update some plugins manually.
- **Restart Jenkins:** After upgrading, always restart Jenkins to apply the changes.
- **Permissions:** Ensure that the Jenkins process has the necessary permissions to access the new WAR file if it's manually replaced.