

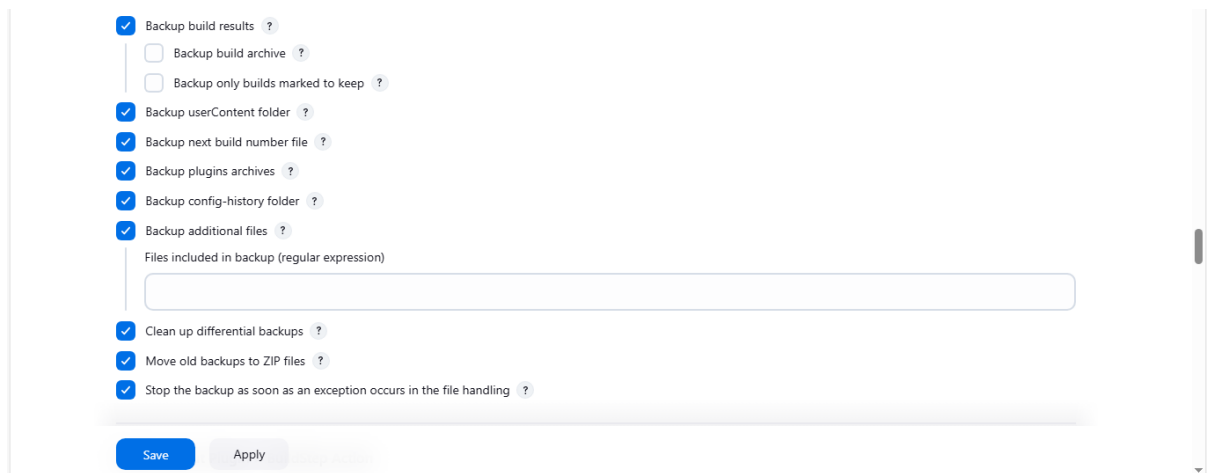
# BACKUP USING JENKINS

Step 1: Once Jenkins is installed and opened in the terminal, navigate to the dashboard.

- Click on "Manage Jenkins," then choose "Manage Plugins."
- Under the "Available" tab in the Plugins section, search for the "ThinBackup" plugin and proceed with the installation.

Step 2: Next, navigate to "Manage Jenkins" and scroll to the bottom of the page where you'll find "ThinBackup." From there, proceed to the "System" section within "Manage Jenkins" to set up the backup.

- In the "System" section, scroll down to the "ThinBackup" configuration. In the "Backup Directory" field, specify the path where you want to store the backup, for example, ``/opt/backup``.
- Before entering the path, open the Jenkins instance terminal, create the backup directory using the ``mkdir`` command, and then assign ownership to Jenkins with the command ``chown Jenkins:Jenkins backup``.
- Select all the checkboxes as shown in the image below and save the configuration.



☒ Backup build results ?

☐ Backup build archive ?

☐ Backup only builds marked to keep ?

☒ Backup userContent folder ?

☒ Backup next build number file ?

☒ Backup plugins archives ?

☒ Backup config-history folder ?

☒ Backup additional files ?

Files included in backup (regular expression)

☒ Clean up differential backups ?

☒ Move old backups to ZIP files ?

☒ Stop the backup as soon as an exception occurs in the file handling ?

- Next, navigate to "Manage Jenkins," scroll down, and click on "ThinBackup." On the ThinBackup page, click "Backup" to initiate the Jenkins backup process.
- Afterward, go to the Jenkins instance and check the `/opt/backup` directory to verify if a folder named "FULL" has been created, which should include the timestamp of the backup.

```

-rw-r--r-- 1 jenkins jenkins 241 Nov 6 06:03 jenkins.model.GlobalConfig
-rw-r--r-- 1 jenkins jenkins 264 Nov 6 06:03 jenkins.model.Jenkins
-rw-r--r-- 1 jenkins jenkins 86 Nov 6 06:03 jenkins.security.Resource
-rw-r--r-- 1 jenkins jenkins 179 Nov 6 06:03 jenkins.tasks.Filter
-rw-r--r-- 1 jenkins jenkins 171 Nov 6 05:41 jenkins.telemetry.Cor
-rw-r--r-- 1 jenkins jenkins 1037 Nov 6 05:46 nodeMonitors.xml
-rw-r--r-- 1 jenkins jenkins 167 Nov 6 06:03 org.jenkinsci.plugins
-rw-r--r-- 1 jenkins jenkins 289 Nov 6 06:03 org.jenkinsci.plugins
-rw-r--r-- 1 jenkins jenkins 167 Nov 6 06:03 org.jenkinsci.plugins
-rw-r--r-- 1 jenkins jenkins 229 Nov 6 06:03 org.jenkinsci.plugins
-rw-r--r-- 1 jenkins jenkins 247 Nov 6 06:03 org.jenkinsci.plugins
-rw-r--r-- 1 jenkins jenkins 1071 Nov 6 06:03 org.jvnet.hudson.plugins
drwxr-xr-x 2 jenkins jenkins 12288 Nov 6 06:03 plugins/
drwxr-xr-x 3 jenkins jenkins 4096 Nov 6 05:41 userContent/
drwxr-xr-x 3 jenkins jenkins 4096 Nov 6 05:45 users/
root@ip-172-31-7-114:/opt/backup/FULL-2024-11-06_06-03# cd ..
-bash: cd: too many arguments
root@ip-172-31-7-114:/opt/backup/FULL-2024-11-06_06-03# cd ..
root@ip-172-31-7-114:/opt/backup# ll
total 12
drwxr-xr-x 3 jenkins jenkins 4096 Nov 6 06:04 ./
drwxr-xr-x 3 root root 4096 Nov 6 05:39 ../
drwxr-xr-x 5 jenkins jenkins 4096 Nov 6 06:03 FULL-2024-11-06_06-03/
root@ip-172-31-7-114:/opt/backup#

```

- These defines the Backup Using Jenkins