Lesson 4 Demo 2: Scheduled Builds

This section will guide you to:

* Schedule a freestyle build job in Jenkins that runs twice a day

This lab has two sub-sections, namely:

1. Creating a scheduled build in Jenkins

2. Testing a scheduled build

**Step 1:** Creating a scheduled build in Jenkins

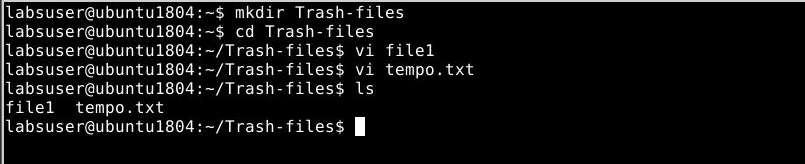
* Create two empty temporary files to be used in the demo

**mkdir Trash-files**

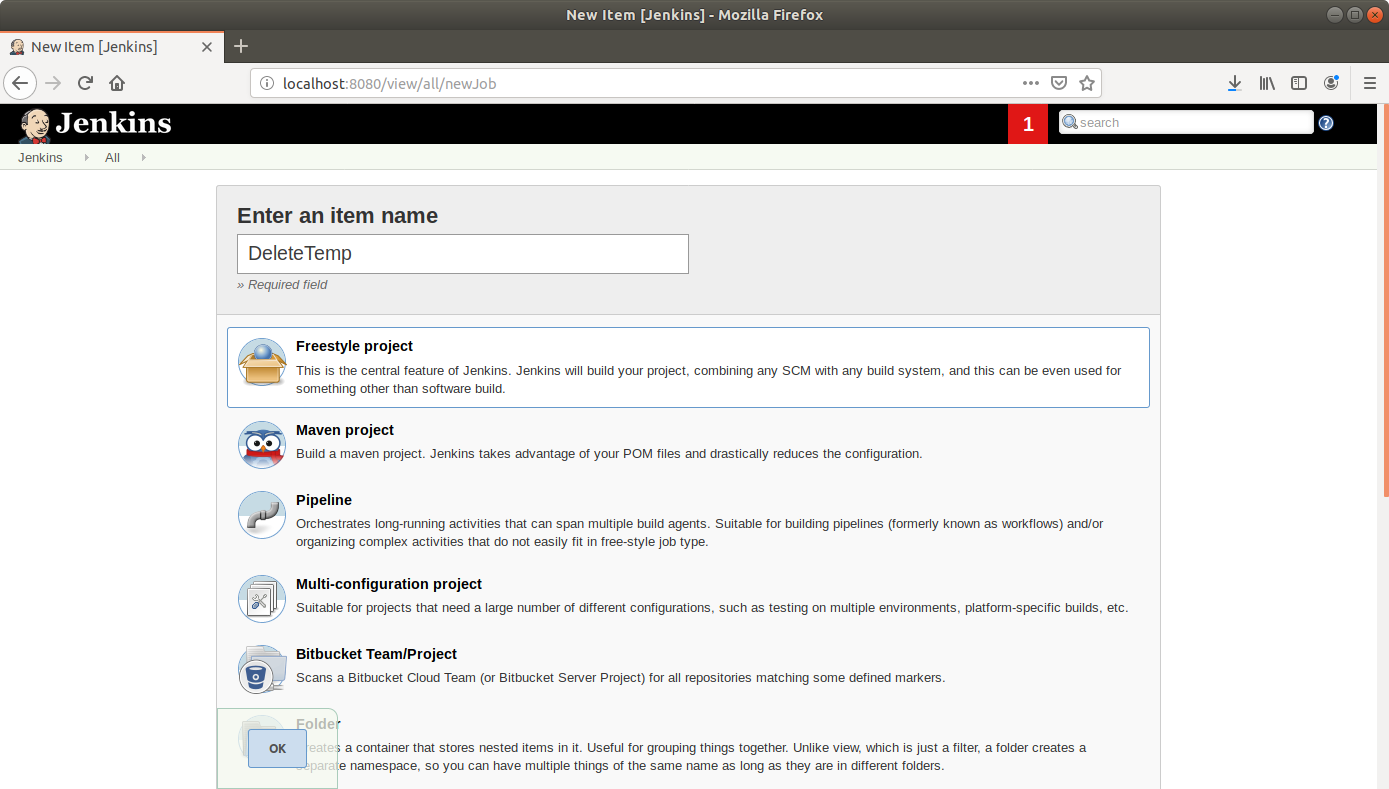
**cd Trash-files**

**vi file1**

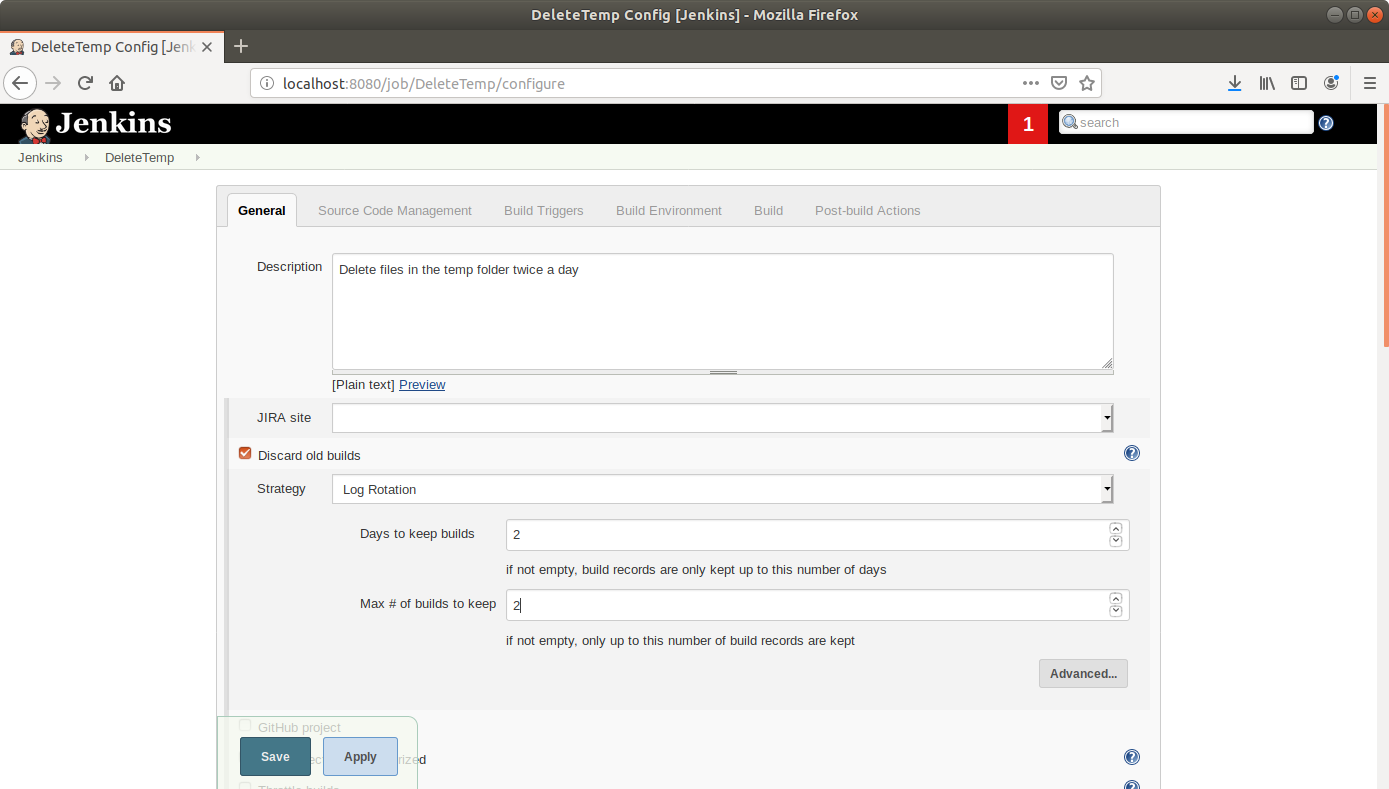
**vi tempo.txt**



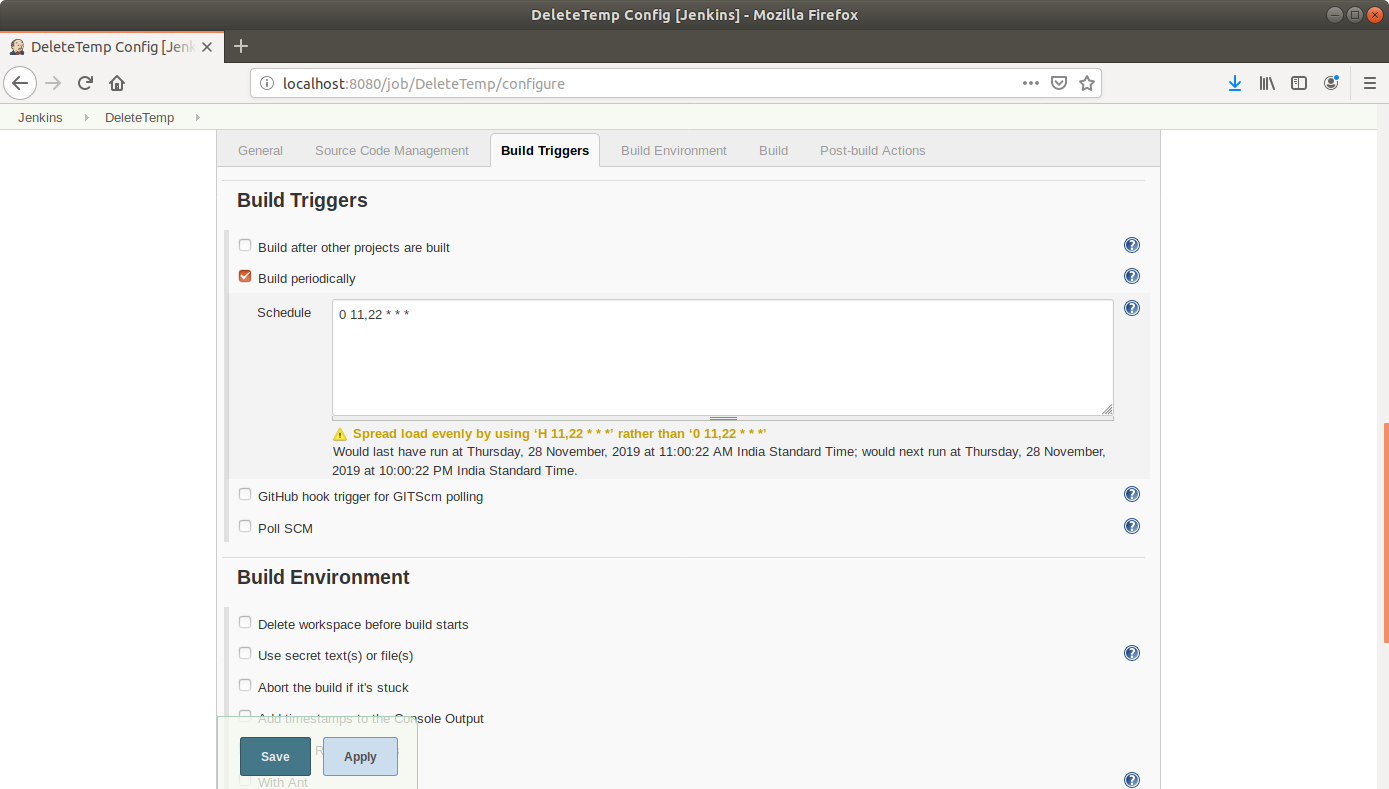
* Go to Jenkins dashboard
* Click on **New Item**
* Select **Freestyle project**as the build job type



* Click **OK**
* Enter job details like description and select the **Discard old builds** option



* Scroll down to the **Build Triggers** section and select the **Build periodically** option
* In the box that appears, enter the cron syntax to schedule a build every day at 11 in the morning and at night **(0 11,22 \* \* \*)**



* Scroll down to the**Build** section and click on **Add build step**
* Select**Execute Shell**from the drop-down that appears
* Enter the command to delete the files in the temp folder in the textbox that appears  
  **sudo rm -rf <path to your temporary folder>/{\*,.\*}**
* Click **Save**

**Step 2:** Testing a scheduled build

* Click on the project name in the Jenkins dashboard
* Click **Build Now** in the project window to make sure the build works. Jenkins will now build your project
* Click on the **Build History**to view the build results
* Click on the **Console Output** to view the build logs

