

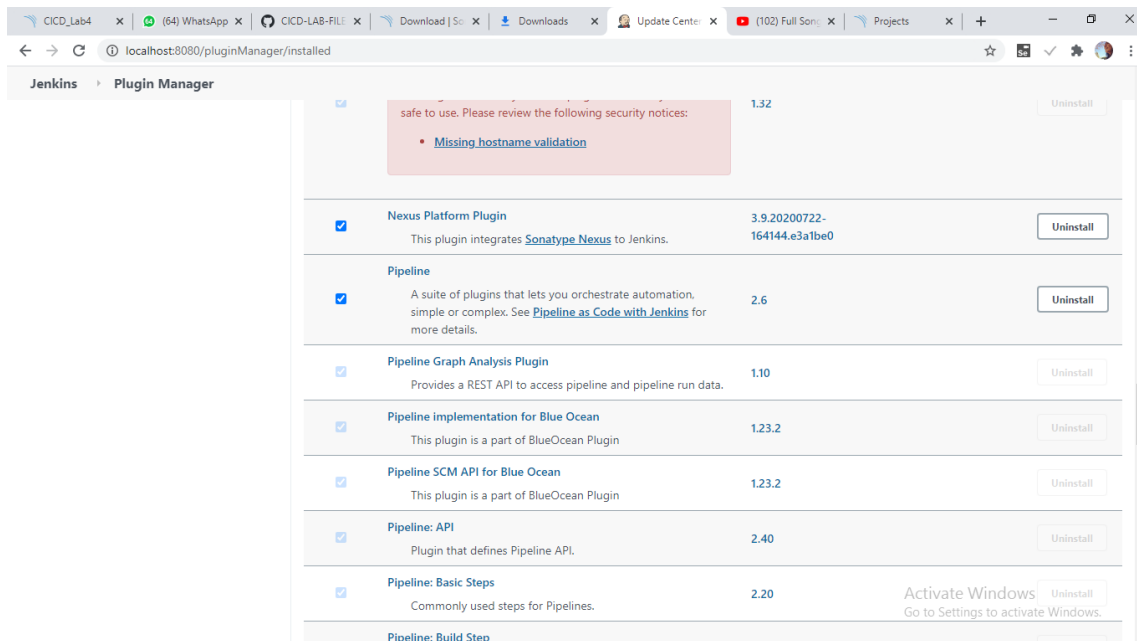
Experiment- 6 (Pipeline through JenkinsFile)

Step-1 Make JenkinsFile in github repo and below code should be written in this

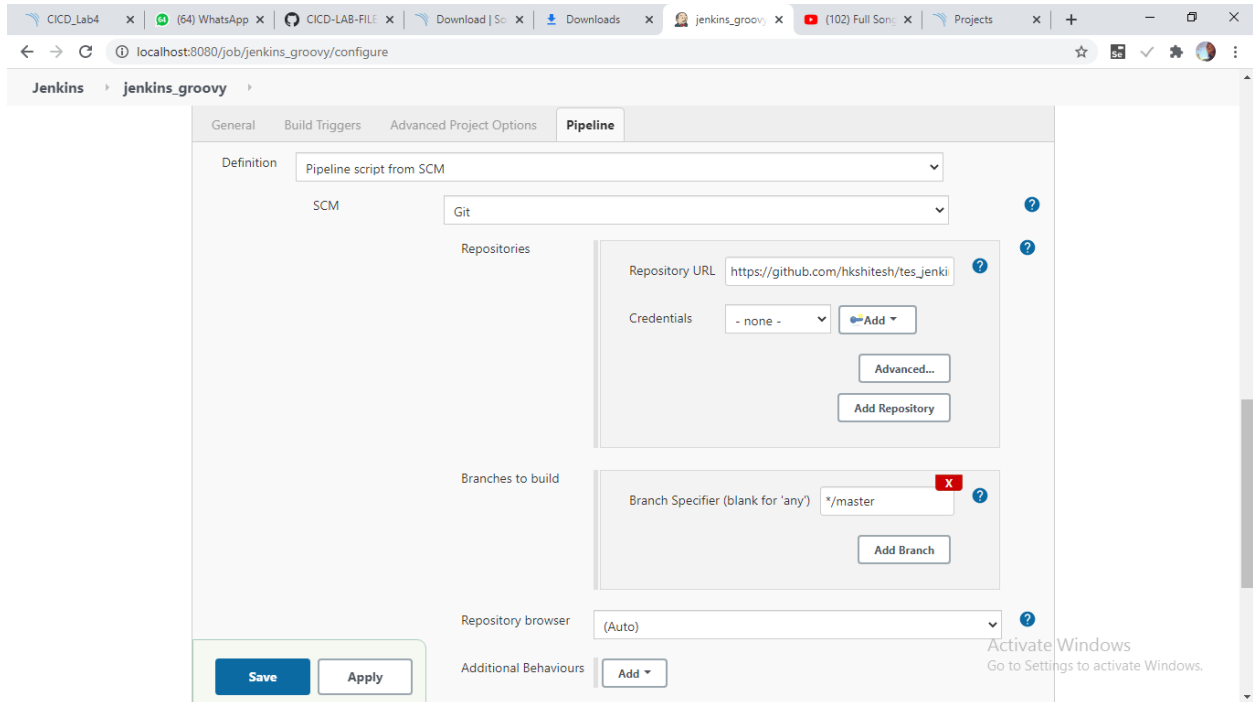
```
15 lines (15 sloc) | 216 Bytes

1 pipeline{
2     agent any
3     stages{
4         stage('Build'){
5             steps{
6                 echo 'Build Stage'
7             }
8         }
9         stage('Test'){
10            steps{
11                bat 'mvn clean'
12            }
13        }
14    }
15 }
```

Step-2 Download Pipeline plugin in jenkins



Step-3 Create a new pipeline project and provide this configuration



The screenshot shows the Jenkins configuration page for a new pipeline project named 'jenkins_groovy'. The 'Pipeline' tab is selected, and the 'Definition' is set to 'Pipeline script from SCM'. The 'SCM' is set to 'Git'. The 'Repository URL' is 'https://github.com/hkshitesh/tes_jenki'. The 'Credentials' are set to '- none -'. The 'Branches to build' section has a 'Branch Specifier (blank for 'any')' set to '*/master'. The 'Repository browser' is set to '(Auto)'. The 'Additional Behaviours' section has an 'Add' button. The 'Save' and 'Apply' buttons are at the bottom left.

Definition: Pipeline script from SCM

SCM: Git

Repositories:

- Repository URL: https://github.com/hkshitesh/tes_jenki
- Credentials: - none -
- Advanced...
- Add Repository

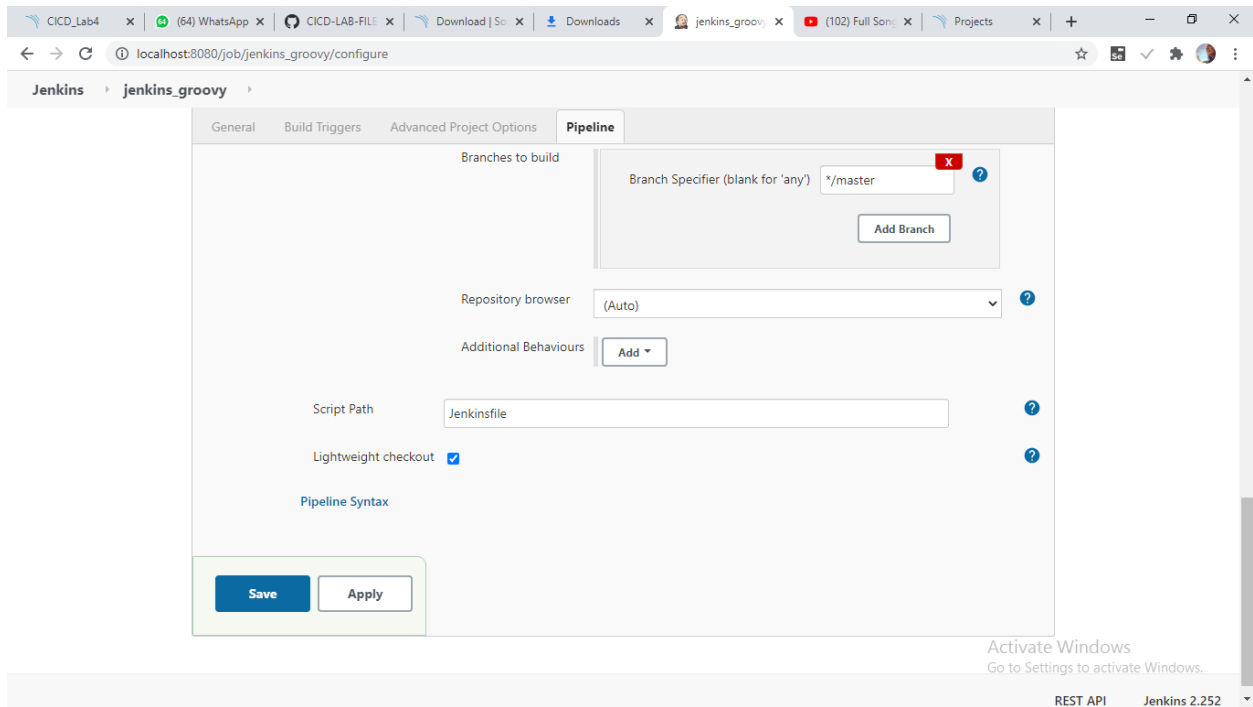
Branches to build:

- Branch Specifier (blank for 'any'): */master
- Add Branch

Repository browser: (Auto)

Additional Behaviours: Add

Save Apply



The screenshot shows the Jenkins configuration page for a new pipeline project named 'jenkins_groovy'. The 'Pipeline' tab is selected, and the 'Definition' is set to 'Pipeline script from SCM'. The 'SCM' is set to 'Git'. The 'Repository URL' is 'https://github.com/hkshitesh/tes_jenki'. The 'Credentials' are set to '- none -'. The 'Branches to build' section has a 'Branch Specifier (blank for 'any')' set to '*/master'. The 'Repository browser' is set to '(Auto)'. The 'Additional Behaviours' section has an 'Add' button. The 'Script Path' is set to 'Jenkinsfile'. The 'Lightweight checkout' checkbox is checked. The 'Pipeline Syntax' section is visible. The 'Save' and 'Apply' buttons are at the bottom left.

Definition: Pipeline script from SCM

SCM: Git

Repositories:

- Repository URL: https://github.com/hkshitesh/tes_jenki
- Credentials: - none -
- Advanced...
- Add Repository

Branches to build:

- Branch Specifier (blank for 'any'): */master
- Add Branch

Repository browser: (Auto)

Additional Behaviours: Add

Script Path: Jenkinsfile

Lightweight checkout: ☒

Pipeline Syntax

Save Apply

Step-3 Build Success

The screenshot shows the Jenkins web interface for job 'jenkins_groovy' at step '#2'. The left sidebar contains navigation links: 'Back to Project', 'Status', 'Changes', 'Console Output' (selected), 'View as plain text', 'Edit Build Information', 'Delete build '#2'', 'Git Build Data', 'No Tags', 'Open Blue Ocean', 'Restart from Stage', 'Replay', and 'Pipeline Steps'. The main area is titled 'Console Output' and displays the following log:

```
Started by user admin
Obtained Jenkinsfile from git https://github.com/hkshitesh/tes_jenkins_file
Running in Durability level: MAX_SURVIVABILITY
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in C:\Users\HP\.jenkins\workspace\jenkins_groovy
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
No credentials specified
> git.exe rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
> git.exe config remote.origin.url https://github.com/hkshitesh/tes_jenkins_file # timeout=10
Fetching upstream changes from https://github.com/hkshitesh/tes_jenkins_file
> git.exe --version # timeout=10
> git --version # 'git version 2.27.0.windows.1'
> git.exe fetch --tags --force --progress -- https://github.com/hkshitesh/tes_jenkins_file +refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe rev-parse "refs/remotes/origin/master^(commit)" # timeout=10
> git.exe rev-parse "refs/remotes/origin/origin/master^(commit)" # timeout=10
Checking out Revision 0b26ffcf64c14d48b76859481809839b2442b65f (refs/remotes/origin/master)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f 0b26ffcf64c14d48b76859481809839b2442b65f # timeout=10
Commit message: "final commit"
> git.exe rev-list --no-walk fa49b66da8a2efe7c90bb82b8da011c5c48b7025 # timeout=10
[Pipeline] }
```

An 'Activate Windows' watermark is visible in the bottom right corner of the console output area.

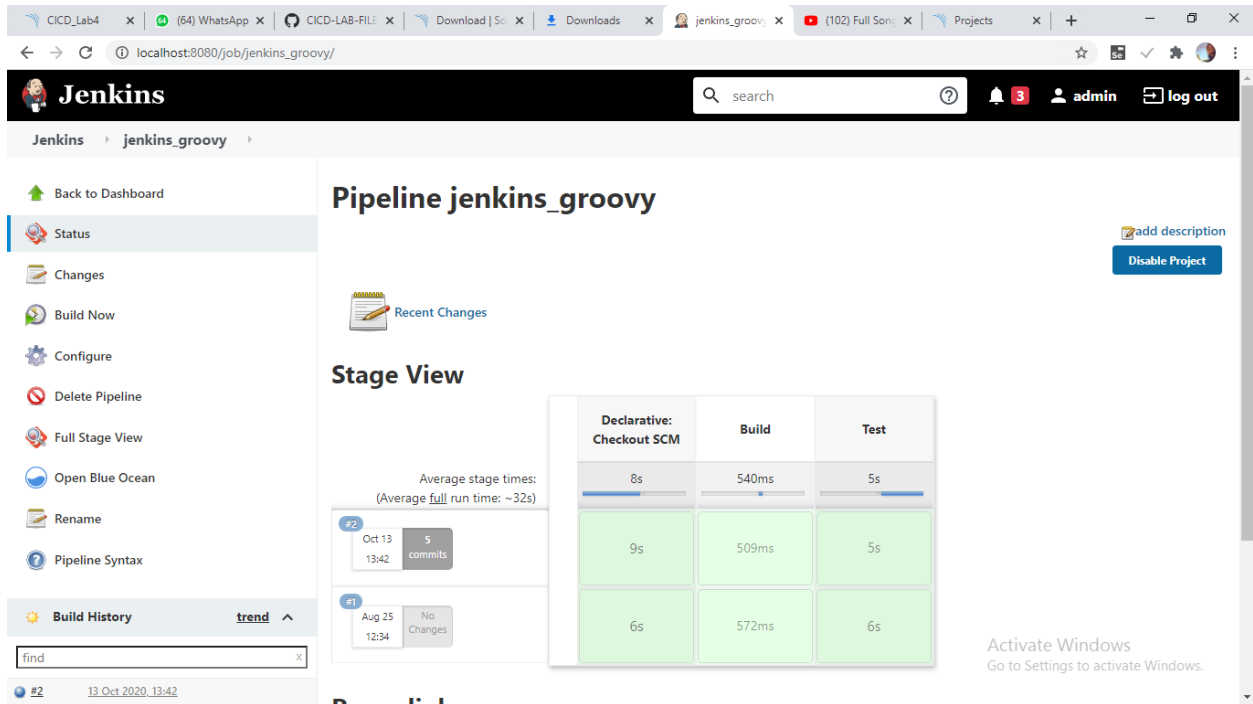
This screenshot shows the continuation of the Jenkins build. The console output continues with:

```
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] bat

C:\Users\HP\.jenkins\workspace\jenkins_groovy>mvn clean
[INFO] Scanning for projects...
[INFO]
[INFO] -----< test.jenkinsfile:test.jenkinsfile >-----
[INFO] Building test.jenkinsfile 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ test.jenkinsfile ---
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 0.972 s
[INFO] Finished at: 2020-10-13T13:42:53+05:30
[INFO] -----
[WARNING] The requested profile "profile1" could not be activated because it does not exist.
[WARNING] The requested profile "profile2" could not be activated because it does not exist.
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

At the bottom of the console output, the text 'REST API Jenkins 2.252' is visible.

Step-4 Pipeline created



Jenkins search admin log out

Jenkins > jenkins_groovy

Back to Dashboard

Status

Changes

Build Now

Configure

Delete Pipeline

Full Stage View

Open Blue Ocean

Rename

Pipeline Syntax

Build History trend

find

#2 13 Oct 2020 13:42

Pipeline jenkins_groovy

add description

Disable Project

Recent Changes

Stage View

Average stage times:
(Average full run time: ~32s)

	Declarative: Checkout SCM	Build	Test
#2	9s	509ms	5s
#1	6s	572ms	6s

Oct 13 13:42 5 commits

Aug 25 12:34 No Changes

Activate Windows
Go to Settings to activate Windows.