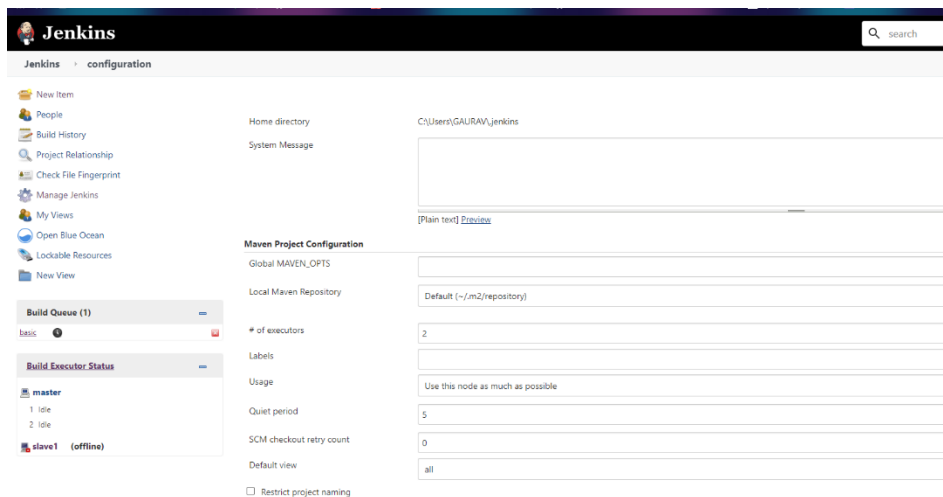


Sumyak Jain, 500068360, R171218106

Experiment No 3

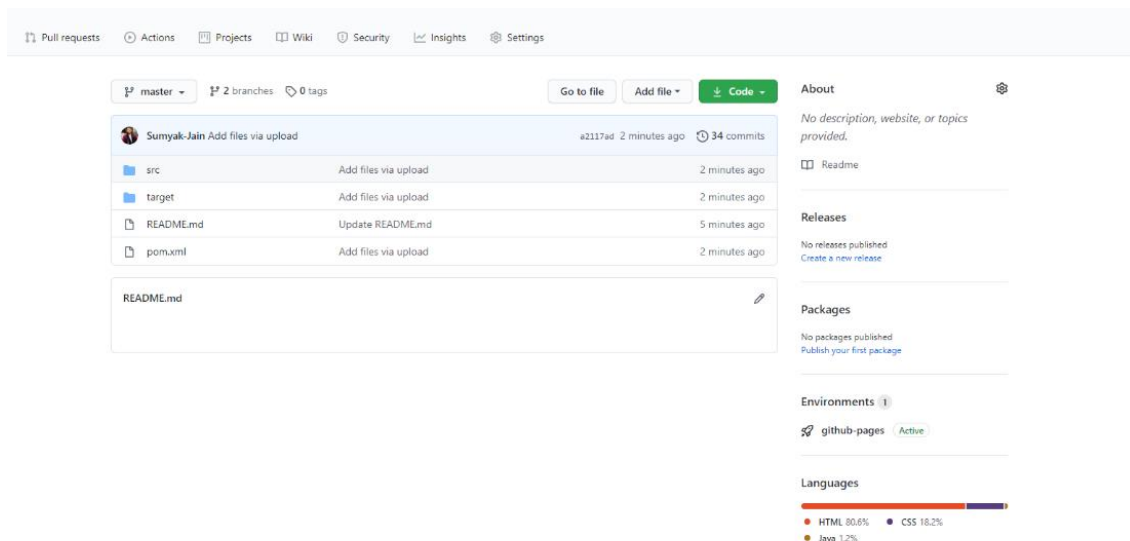
Jenkins Integration with GitHub and Maven

STEP 1) give your maven location in jenkins



The screenshot shows the Jenkins configuration page for a project. The left sidebar contains navigation links: New Item, People, Build History, Project Relationship, Check File Fingerprint, Manage Jenkins, My Views, Open Blue Ocean, Lockable Resources, and New View. Below these are sections for 'Build Queue (1)' showing a 'basic' job and 'Build Executor Status' showing 'master' (1 idle, 2 idle) and 'slave1' (offline). The main configuration area includes: Home directory (C:\Users\GAURAV\jenkins), System Message (empty), Maven Project Configuration (Global MAVEN_OPTS, Local Maven Repository: Default (~/.m2/repository)), # of executors (2), Labels (empty), Usage (Use this node as much as possible), Quiet period (5), SCM checkout retry count (0), Default view (all), and a checkbox for 'Restrict project naming'.

STEP 2) upload a pom.xml file with src of a maven project on github



The screenshot shows a GitHub repository page for 'Sumyak-Jain'. The repository has 2 branches and 0 tags. The file list shows: src (Add files via upload, 2 minutes ago), target (Add files via upload, 2 minutes ago), README.md (Update README.md, 5 minutes ago), and pom.xml (Add files via upload, 2 minutes ago). The README.md file is currently selected and shows an empty editor. The right sidebar contains sections: About (No description, website, or topics provided), Releases (No releases published), Packages (No packages published), Environments (github-pages is Active), and Languages (HTML 80.6%, CSS 16.2%, Java 1.2%).

STEP 3) give your github repo address

jobs

General Source Code Management Build Triggers Build Environment Build Post-build Actions

☐ None
☒ Git

Repositories

Repository URL:

Credentials: [Add](#)

[Advanced...](#)
[Add Repository](#)

Branches to build

Branch Specifier (blank for 'any'):

[Add Branch](#)

Repository browser: (Auto)

Additional Behaviours: [Add](#)

☐ Mercurial
☐ Subversion

STEP 4) give maven commands to run and click save

sic_jobs

General Source Code Management Build Triggers Build Environment Build Post-build Actions

☐ Abort the build if it's stuck
☐ Add timestamps to the Console Output
☐ Create Delivery Pipeline version
☐ Generate Release Notes
☐ Inspect build log for published Gradle build scans
☐ With Ant

Build

☒ Execute Windows batch command

Command:

[See the list of available environment variables](#)

[Advanced...](#)

[Add build step](#)

Post-build Actions

[Add post-build action](#)

[Save](#) [Apply](#)

STEP 5) build successfully

Jenkins basic_jobs #2

[Back to Project](#)
[Status](#)
[Changes](#)
[Console Output](#)
[View as plain text](#)
[Edit Build Information](#)
[Git Build Data](#)
[No Tags](#)
[Open Blue Ocean](#)
[Previous Build](#)

Console Output

```
Started by user sumyak
Running as SYSTEM
Building on master in workspace C:\Users\GAURAV\.jenkins\workspace\basic_jobs
No credentials specified
Cloning the remote git repository
Cloning repository https://github.com/Sumyak-Inai/sumyak.git
> D:\Git\bin\git.exe init C:\Users\GAURAV\.jenkins\workspace\basic_jobs # timeout=10
Fetching upstream changes from https://github.com/Sumyak-Inai/sumyak.git
> D:\Git\bin\git.exe --version # timeout=10
> git --version # 'git version 2.27.0.windows.1'
> D:\Git\bin\git.exe fetch --tags --force --progress -- https://github.com/Sumyak-Inai/sumyak.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> D:\Git\bin\git.exe config remote.origin.url https://github.com/Sumyak-Inai/sumyak.git # timeout=10
> D:\Git\bin\git.exe config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
> D:\Git\bin\git.exe config remote.origin.url https://github.com/Sumyak-Inai/sumyak.git # timeout=10
Fetching upstream changes from https://github.com/Sumyak-Inai/sumyak.git
> D:\Git\bin\git.exe fetch --tags --force --progress -- https://github.com/Sumyak-Inai/sumyak.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> D:\Git\bin\git.exe rev-parse --ref=remotes/origin/master:commit # timeout=10
> D:\Git\bin\git.exe rev-parse --ref=remotes/origin/master:commit # timeout=10
Checking out Revision a2117ad355e59b0827eb6d930e4d654ef31ee (refs/remotes/origin/master)
> D:\Git\bin\git.exe config core.sparsecheckout # timeout=10
> D:\Git\bin\git.exe checkout -f a2117ad355e59b0827eb6d930e4d654ef31ee # timeout=10
Commit message: "Add files via upload"
First time build. Skipping changelog.
[basic_jobs] $ cmd /c call C:\Users\GAURAV\AppData\Local\Temp\Jenkins9478669920974710591.bat

C:\Users\GAURAV\.jenkins\workspace\basic_jobs>mvn clean
[INFO] Scanning for projects...
[INFO]
[INFO] -----< com.mycompany.app:my_app >-----
[INFO] Building my_app 1
[INFO] -----[ jar ]-----
[INFO] --- maven-clean-plugin:3.1.0:clean (default-clean) @ my_app ---
[INFO] Deleting C:\Users\GAURAV\.jenkins\workspace\basic_jobs\target
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 0.458 s
[INFO] Finished at: 2020-10-03T02:55:39+05:30
[INFO]
[WARNING] The requested profile "profile" could not be activated because it does not exist.
Finished: SUCCESS
```