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Experiment No 6

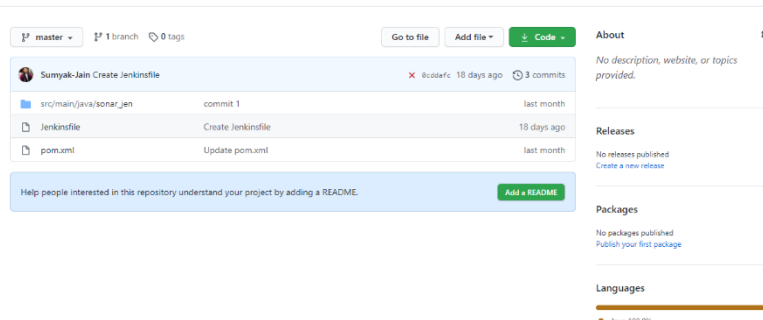
Create Pipeline using Jenkinsfile

STEP 1) make a Jenkins file

For example you can write

```
pipeline{
    agent any
    stages{
        stage('Build'){
            steps{
                echo 'Build
Stage'
            }
        }
        stage('Test'){
            steps{
                echo 'mvn Test'
            }
        }
        stage('Clean'){
            steps{
                echo 'Clean
Stage'
            }
        }
    }
}
```

STEP 2) upload your code to github with a name of JenkinsFile



The screenshot shows a GitHub repository page for a user named Sumyak-Jain. The repository is titled 'Create Jenkinsfile'. It has 1 branch (master) and 0 tags. The repository is created 18 days ago and has 3 commits. The file list shows three files: 'src/main/java/sonar_jen' (commit 1, last month), 'Jenkinsfile' (Create Jenkinsfile, 18 days ago), and 'pom.xml' (Update pom.xml, last month). There is a button to 'Add a README'. The right sidebar shows sections for 'About' (No description, website, or topics provided), 'Releases' (No releases published, Create a new release), 'Packages' (No packages published, Publish your first package), and 'Languages' (Java 100.0%).

STEP 3) provide the url of your repo in the project,

And select JenkinsFile as the script path,

Then click save and build.

Jenkins → CI-CD → Pipeline

Definition: Pipeline script from SCM

SCM: Git

Repositories:

- Repository URL:
- Credentials: [Add](#)
- [Advanced...](#)
- [Add Repository](#)

Branches to build:

- Branch Specifier (blank for 'any'):
- [Add Branch](#)

Repository browser:

Additional Behaviours: [Add](#)

Script Path:

Lightweight checkout: ☒

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

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STEP 4) if build successful

Jenkins → CI-CD → #21

Console Output

Started by user sumyak
Obtained Jenkinsfile from git https://github.com/Sumyak-Jain/jenkins_Sonarqube.git
Running in Sonarqube level: MAX_SECURITY
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in C:\Users\SOURAV\.jenkins\workspace\CI-CD
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
No credentials specified
> D:\dt\bin\git.exe rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote git repository
> D:\dt\bin\git.exe config remote.origin.url https://github.com/Sumyak-Jain/jenkins_Sonarqube.git # timeout=10
Fetching upstream changes from https://github.com/Sumyak-Jain/jenkins_Sonarqube.git
> D:\dt\bin\git.exe --version # git version 2.27.6.windows.1
> D:\dt\bin\git.exe fetch --tags --force --progress -- https://github.com/Sumyak-Jain/jenkins_Sonarqube.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> D:\dt\bin\git.exe rev-parse --refspecs=refs/remotes/origin/master:[commit] # timeout=10
> D:\dt\bin\git.exe rev-parse --refspecs=refs/remotes/origin/master:[commit] # timeout=10
Checking out Revision 0cda4fcd5d7094c5aa2e2b33253474846a6d26958 (refs/remotes/origin/master)
> D:\dt\bin\git.exe config core.sparsecheckout # timeout=10
> D:\dt\bin\git.exe checkout -f 0cda4fcd5d7094c5aa2e2b33253474846a6d26958 # timeout=10
Commit message: "Create Jenkinsfile"
First time build. Skipping changelog.
[Pipeline] }
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (build)
[Pipeline] echo
Build Stage
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] echo
Test Stage
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Clean)
[Pipeline] echo
Clean Stage
[Pipeline] }
[Pipeline] // stage
[Pipeline] }

```

Build Stage
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] echo
run Test
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Clean)
[Pipeline] echo
Clean Stage
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS

```

STEP 5) view your pipeline as dashboard

Jenkins

search

sumyak
 log out

Jenkins > CI-CD >

[Back to Dashboard](#)
[Status](#)
[Changes](#)
[Build Now](#)
[Delete Pipeline](#)
[Configure](#)
[Full Stage View](#)
[Open Blue Ocean](#)
[Rename](#)
[Pipeline Syntax](#)

Build History
trend

find

#21
Oct 3, 2020, 3:51 AM

#20
Aug 25, 2020, 11:44 AM

#18
Jun 17, 2020, 1:27 AM

#17
Jun 17, 2020, 1:04 AM

#16
Jun 17, 2020, 1:13 AM

Atom feed for all
Atom feed for failures

Pipeline CI-CD

Recent Changes

Average stage times:
(Average full run time: ~11s)

No changes

Declarative: Checkout SCM	Build	Test	Clean
4s	120ms	72ms	72ms
4s	120ms	72ms	72ms

Permalinks

- [Last build \(#21\) 54 sec ago](#)
- [Last stable build \(#21\) 54 sec ago](#)
- [Last successful build \(#21\) 54 sec ago](#)
- [Last failed build \(#20\) 1 mo 8 days ago](#)
- [Last unsuccessful build \(#20\) 1 mo 8 days ago](#)
- [Last completed build \(#21\) 54 sec ago](#)

[add description](#)
[Disable Project](#)

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Oct 3, 2020, 3:51:51 AM IST REST API Jenkins 2.235.5