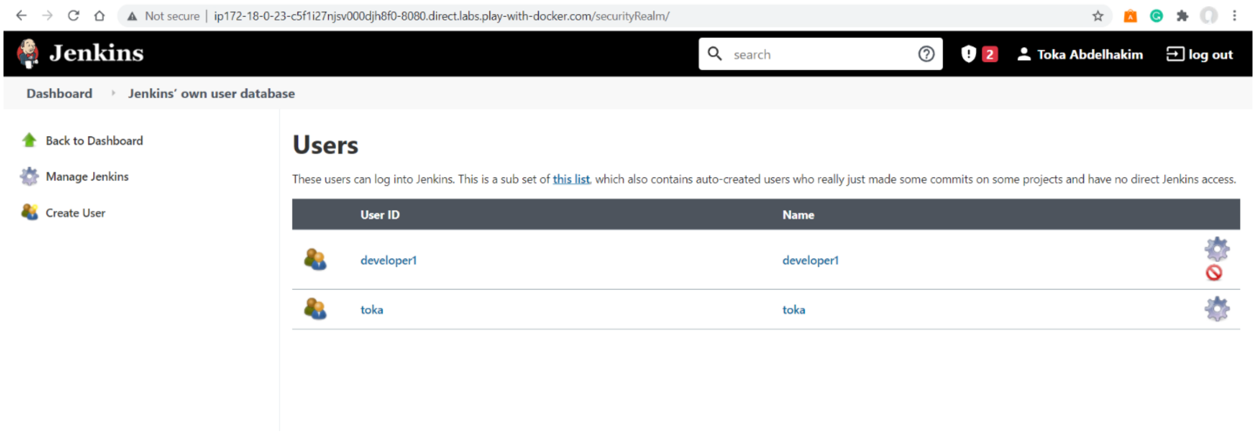
1-install jenkins with docker image

2- install role based authorization plugin

3- create new user

4- create read role and assign it to the new user

New user:



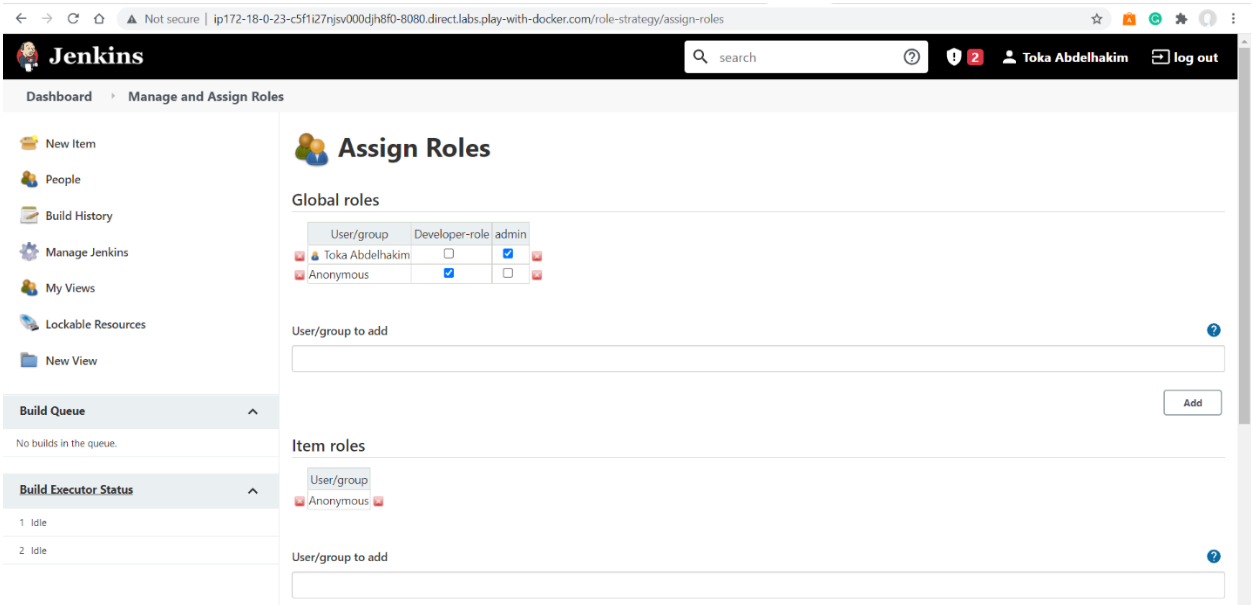
Not secure | ip172-18-0-23-c5f1i27njsv000djh8f0-8080.direct.labs.play-with-docker.com/securityRealm/

Users

These users can log into Jenkins. This is a sub set of this list, which also contains auto-created users who really just made some commits on some projects and have no direct Jenkins access.

User ID	Name
developer1	developer1
toka	toka

Assign Role to User:



Not secure | ip172-18-0-23-c5f1i27njsv000djh8f0-8080.direct.labs.play-with-docker.com/role-strategy/assign-roles

Assign Roles

Global roles

User/group	Developer-role	admin
Toka Abdelhakim	☐	☑
Anonymous	☑	☐

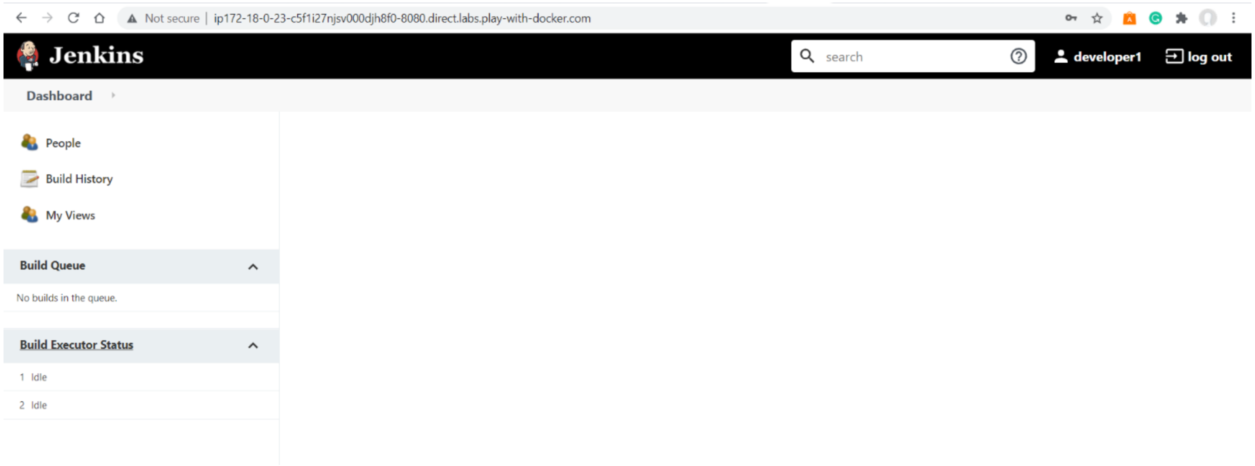
User/group to add

Item roles

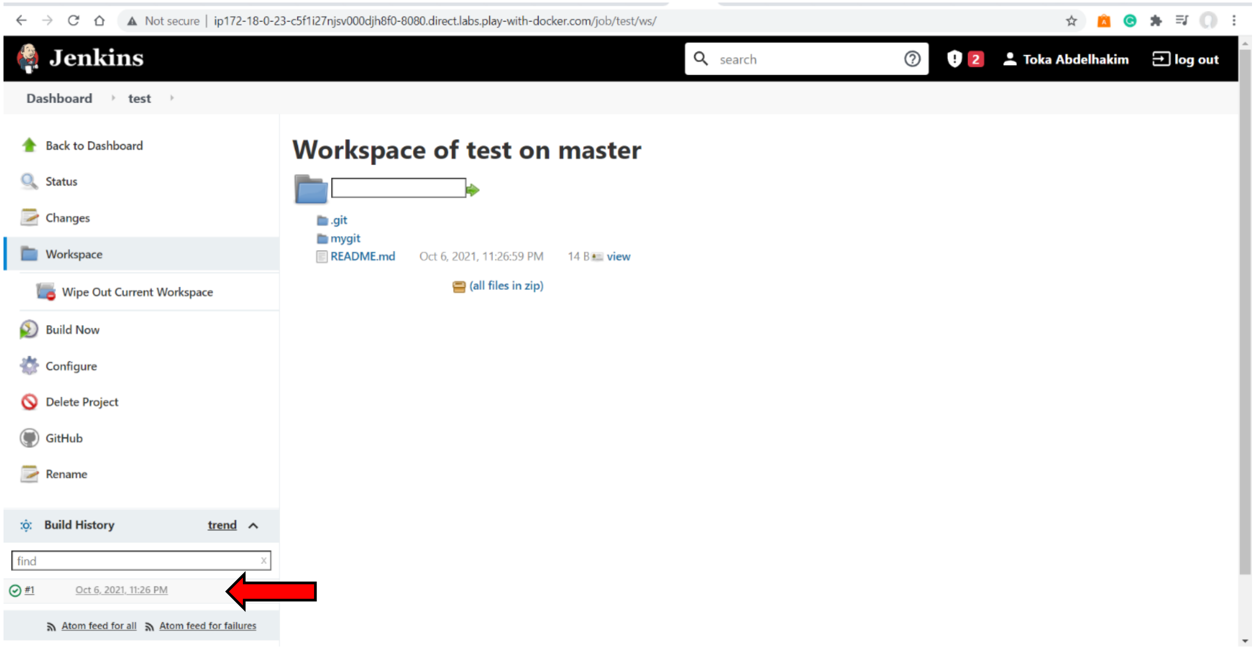
User/group
Anonymous

User/group to add

New user logged in:



5- create free style pipeline and link it to private git repo(inside it create directory and create file with "hello world")

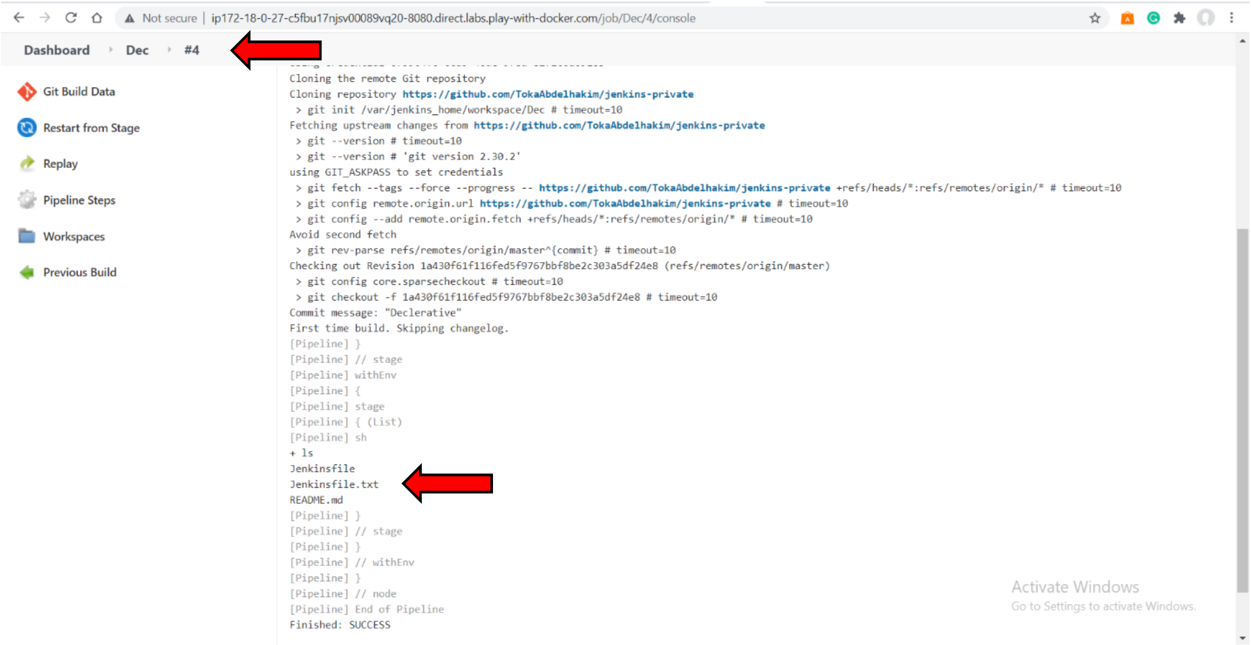


Workspace of test on master

.git
mygit
README.md Oct 6, 2021, 11:26:59 PM 14 B view

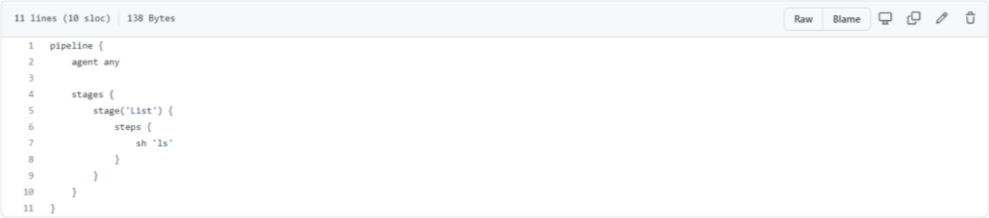
(all files in zip)

1- create declarative in jenkins GUI pipeline for your own repo to do "ls"


Not secure | ip172-18-0-27-c5fbu17njsv00089vq20-8080.direct.labs.play-with-docker.com/job/Dec/4/console
Dashboard
Dec
#4
Git Build Data
Restart from Stage
Replay
Pipeline Steps
Workspaces
Previous Build

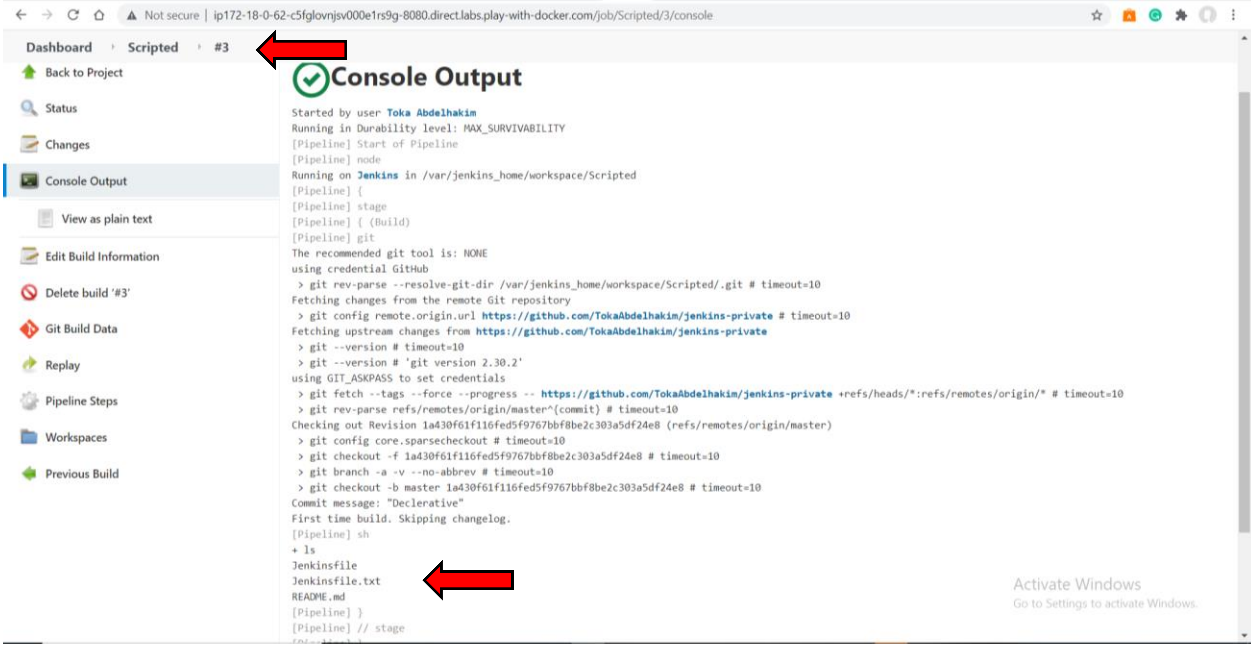
```
Cloning the remote Git repository
Cloning repository https://github.com/TokaAbdelhakim/jenkins-private
 > git init /var/jenkins_home/workspace/Dec # timeout=10
Fetching upstream changes from https://github.com/TokaAbdelhakim/jenkins-private
 > git --version # timeout=10
 > git --version # 'git version 2.30.2'
using GIT_ASKPASS to set credentials
 > git fetch --tags --force --progress -- https://github.com/TokaAbdelhakim/jenkins-private +refs/heads/*:refs/remotes/origin/* # timeout=10
 > git config remote.origin.url https://github.com/TokaAbdelhakim/jenkins-private # timeout=10
 > git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
 > git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 1a430f61f116fed5f9767bbf8be2c303a5df24e8 (refs/remotes/origin/master)
 > git config core.sparsecheckout # timeout=10
 > git checkout -f 1a430f61f116fed5f9767bbf8be2c303a5df24e8 # timeout=10
Commit message: "Declerative"
First time build. Skipping changelog.
[Pipeline] }
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (List)
[Pipeline] sh
+ ls
Jenkinsfile
Jenkinsfile.txt
README.md
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

Code:



```
pipeline {
    agent any

    stages {
        stage('List') {
            steps {
                sh 'ls'
            }
        }
    }
}
```

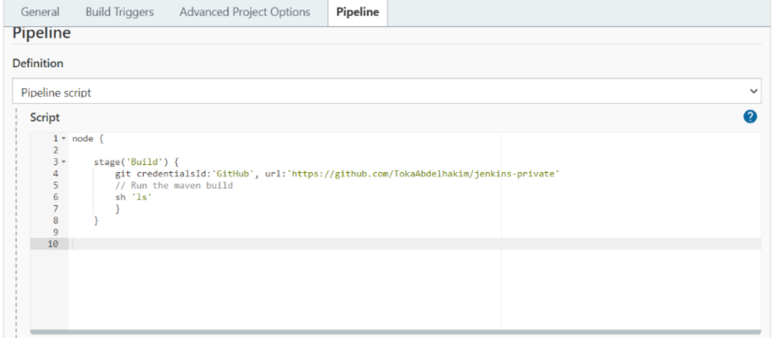
2- create scripted in jenkins GUI pipeline for your own repo to do "ls"



Console Output

```
Started by user Toka Abdelhakim
Running in Durability level: MAX_SURVIVABILITY
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/jenkins_home/workspace/Scripted
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] git
The recommended git tool is: NONE
using credential GitHub
 > git rev-parse --resolve-git-dir /var/jenkins_home/workspace/Scripted/.git # timeout=10
Fetching changes from the remote Git repository
 > git config remote.origin.url https://github.com/TokaAbdelhakim/jenkins-private # timeout=10
Fetching upstream changes from https://github.com/TokaAbdelhakim/jenkins-private
 > git --version # timeout=10
 > git --version # 'git version 2.30.2'
using GIT_ASKPASS to set credentials
 > git fetch --tags --force --progress -- https://github.com/TokaAbdelhakim/jenkins-private +refs/heads/*:refs/remotes/origin/* # timeout=10
 > git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 1a430f61f116fed5f9767bbf8be2c303a5df24e8 (refs/remotes/origin/master)
 > git config core.sparsecheckout # timeout=10
 > git checkout -f 1a430f61f116fed5f9767bbf8be2c303a5df24e8 # timeout=10
 > git branch -a -v --no-abbrev # timeout=10
 > git checkout -b master 1a430f61f116fed5f9767bbf8be2c303a5df24e8 # timeout=10
Commit message: "Declerative"
First time build. Skipping changelog.
[Pipeline] sh
+ ls
Jenkinsfile
Jenkinsfile.txt
README.md
[Pipeline] }
[Pipeline] // stage
```

Code:



Pipeline

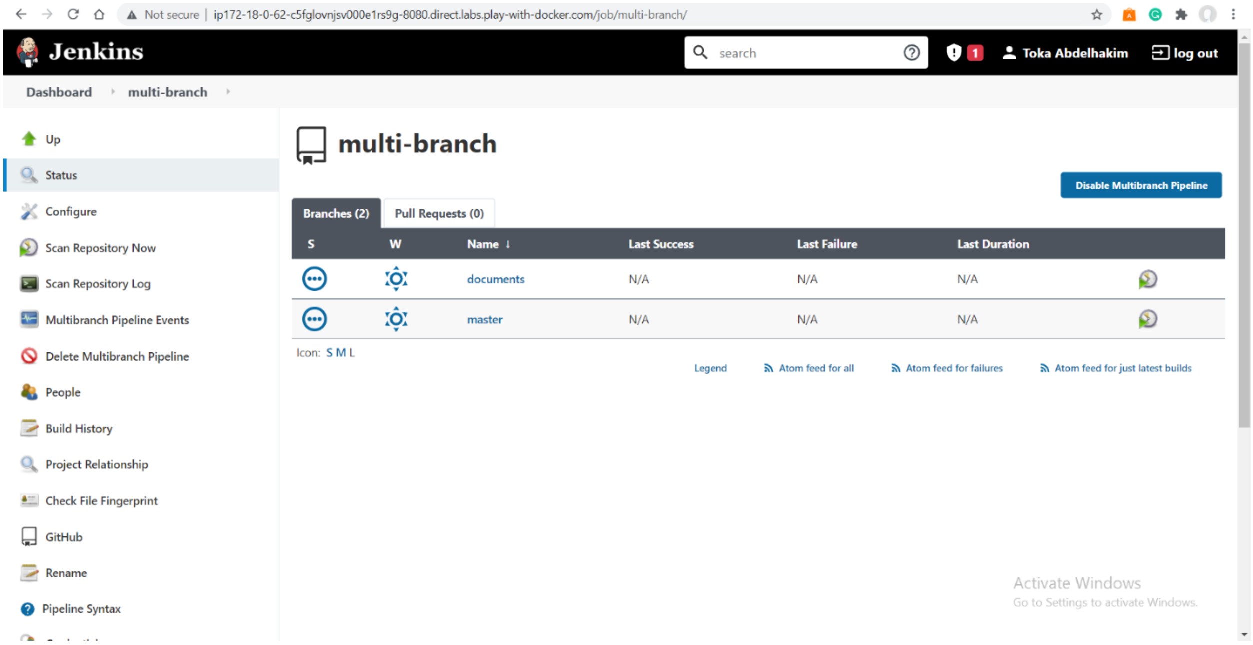
Definition

Pipeline script

Script

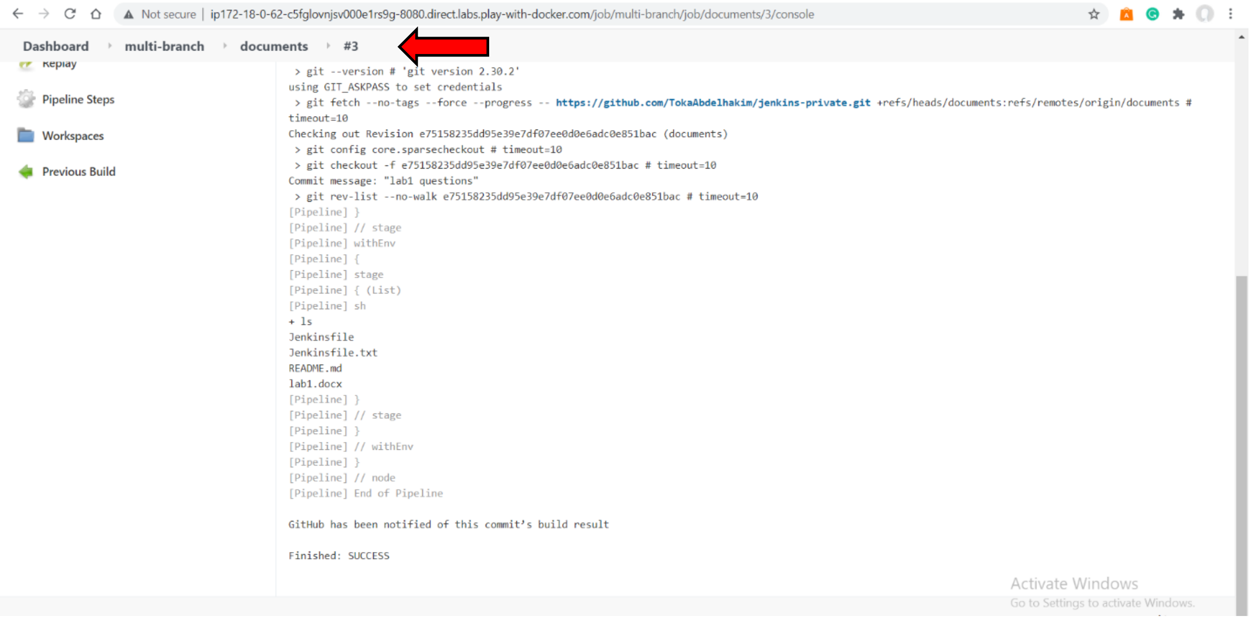
```
node {

    stage('Build') {
        git credentialsId:'GitHub', url:'https://github.com/TokaAbdelhakim/jenkins-private'
        // Run the maven build
        sh 'ls'
        }
    }

```

3- create the same with jenkinsfile in your branches as multibranch pipeline

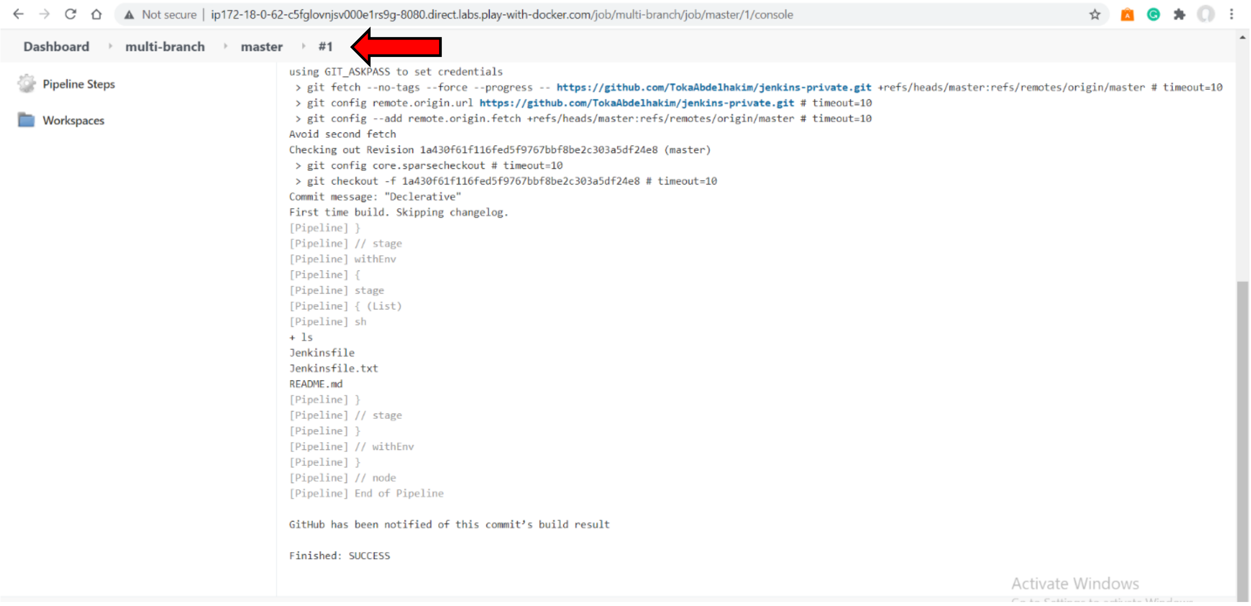


multi-branch

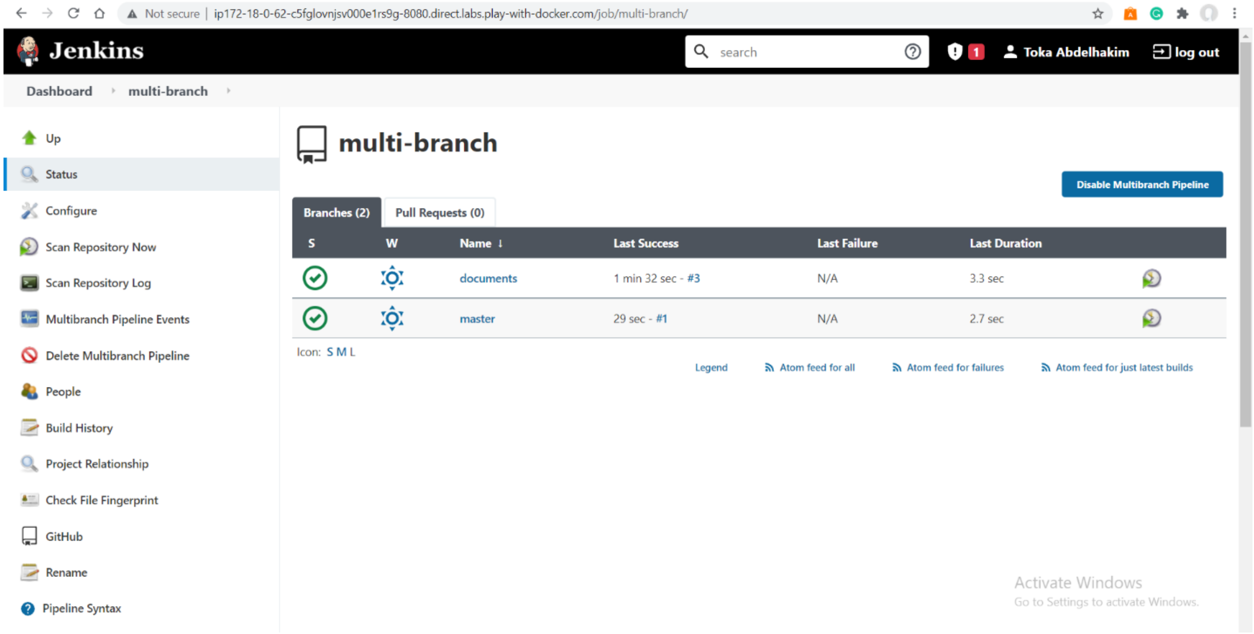
S	W	Name ↓	Last Success	Last Failure	Last Duration
⋯	☼	documents	N/A	N/A	N/A
⋯	☼	master	N/A	N/A	N/A


Not secure | ip172-18-0-62-c5fglovnjsv000e1rs9g-8080.direct.labs.play-with-docker.com/job/multi-branch/job/documents/3/console
Dashboard
multi-branch
documents
#3
Replay
Pipeline Steps
Workspaces
Previous Build
Activate Windows
Go to Settings to activate Windows.

```
 > git --version # 'git version 2.30.2'
using GIT_ASKPASS to set credentials
 > git fetch --no-tags --force --progress -- https://github.com/TokaAbdelhakim/jenkins-private.git +refs/heads/documents:refs/remotes/origin/documents #
timeout=10
Checking out Revision e75158235dd95e39e7df07ee0d0e6adc0e851bac (documents)
 > git config core.sparsecheckout # timeout=10
 > git checkout -f e75158235dd95e39e7df07ee0d0e6adc0e851bac # timeout=10
Commit message: "lab1 questions"
 > git rev-list --no-walk e75158235dd95e39e7df07ee0d0e6adc0e851bac # timeout=10
[Pipeline] }
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (List)
[Pipeline] sh
+ ls
Jenkinsfile
Jenkinsfile.txt
README.md
lab1.docx
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline

GitHub has been notified of this commit's build result

Finished: SUCCESS
```


Not secure | ip172-18-0-62-c5fglovnjsv000e1rs9g-8080.direct.labs.play-with-docker.com/job/multi-branch/job/master/1/console
Dashboard
multi-branch
master
#1
Pipeline Steps
Workspaces
Activate Windows

```
using GIT_ASKPASS to set credentials
 > git fetch --no-tags --force --progress -- https://github.com/TokaAbdelhakim/jenkins-private.git +refs/heads/master:refs/remotes/origin/master # timeout=10
 > git config remote.origin.url https://github.com/TokaAbdelhakim/jenkins-private.git # timeout=10
 > git config --add remote.origin.fetch +refs/heads/master:refs/remotes/origin/master # timeout=10
Avoid second fetch
Checking out Revision 1a430f61f116fed5f9767bbf8be2c303a5df24e8 (master)
 > git config core.sparsecheckout # timeout=10
 > git checkout -f 1a430f61f116fed5f9767bbf8be2c303a5df24e8 # timeout=10
Commit message: "Declerative"
First time build. Skipping changelog.
[Pipeline] }
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (List)
[Pipeline] sh
+ ls
Jenkinsfile
Jenkinsfile.txt
README.md
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline

GitHub has been notified of this commit's build result

Finished: SUCCESS
```



multi-branch

S	W	Name ↓	Last Success	Last Failure	Last Duration
✓	☼	documents	1 min 32 sec - #3	N/A	3.3 sec
✓	☼	master	29 sec - #1	N/A	2.7 sec

Icon: S M L