

# Angular - Unit testing - Team lider

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# Table of contents

- 1 install Angular - Testing Intro

open new terminal, install Angular

```
sudo npm install -g @angular/cli
```

create repo

```
https://github.com
```

```
name: angular-testing
```

create angular project

```
ng new angular-testing
```

```
cd angular-testing
```

```
ng serve --open
```

```
ng test
```

## git init, master branch

```
git init
git remote add origin
https://github.com/your-user-lider/angular-testing.git
git add .
git commit -m "add initial master"
git push -u origin master
```

## develop branch

```
git branch develop
git checkout develop
git branch
git merge master develop
```

## nano Jenkinsfile

```
node {
    stage('Checkout') {
        checkout scm
    }
    stage('Build') {
        docker.image('trion/ng-cli').inside {
            sh 'npm install'
            sh 'ng build --progress false --prod --aot'
            sh 'tar -cvzf dist.tar.gz --strip-components=1 dist'
        }
        archive 'dist.tar.gz'
    }
    stage('Test') {
        docker.image('trion/ng-cli-karma').inside {
            sh 'ng test --progress false --watch false'
        }
    }
}
```

## push develop branch

```
git add .
git commit -m "add initial develop"
git push -u origin develop
```

Go to jenkins url

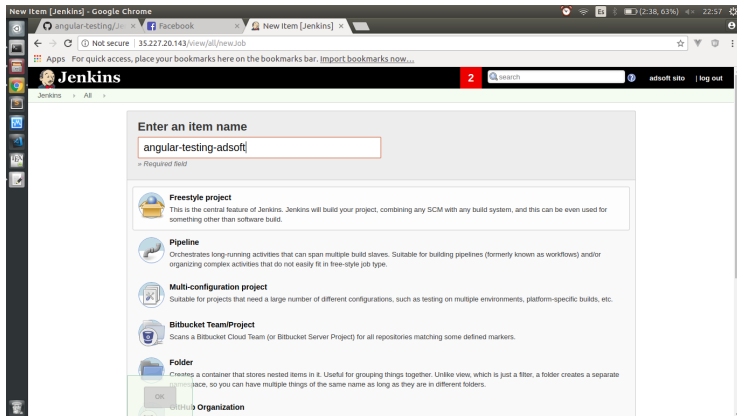
`http://35.227.20.143/`

user: adsoftsito

passwd: 5i5i5i5i

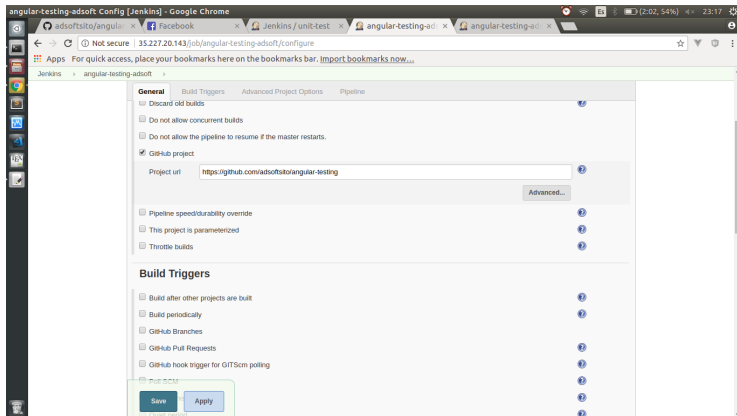
## create new item

- type name and choose Pipeline Project



## create new item

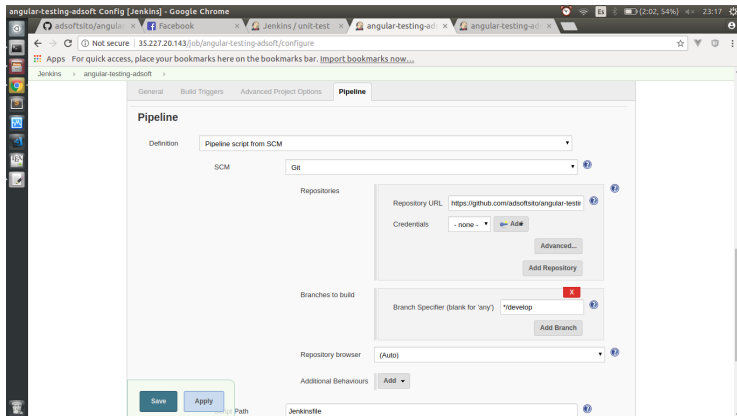
- put github url





## create new item

- select pipeline from SCM
- select branch develop



## open blue ocean

- open blue ocean

Jenkins - Google Chrome

35.227.20.143/blue/organizations/jenkins/pipelines

Jenkins

Pipelines Administration Logout

Pipelines Search pipelines... New Pipeline

NAME	HEALTH	BRANCHES	PR	
angular-jenkins-demo		-	-	☆
angular-testing-adsoft		-	-	☆
first-ci		-	-	☆
simple-node-js-react-npm-app		-	-	☆
unit-test		-	-	☆

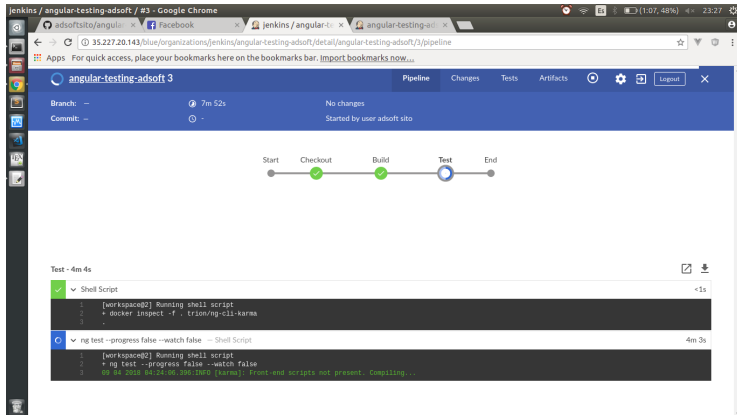
1.4.2 - Core 2.107.1 - e5955c2 - 16th February 2018 03:54 PM

35.227.20.143/blue/organizations/jenkins/angular-testing-adsoft/activity

## run job

The screenshot shows the Jenkins web interface in a Google Chrome browser. The address bar displays the URL `35.227.20.143/blue/organizations/jenkins/angular-testing-adsft/detail/angular-testing-adsft/3/pipeline`. The page title is `angular-testing-adsft 3`. The interface includes tabs for `Pipeline`, `Changes`, `Tests`, `Artifacts`, and a `Logout` button. The build status is `17s` with `No changes` and `Started by user adsft sito`. A pipeline diagram shows four stages: `Start`, `Checkout` (marked with a green check), `Build` (marked with a blue circle), and `End`. Below the diagram, the build log for `Build - 18s` is displayed, showing two steps: `Shell Script` (completed in `<1s`) and `npm install - Shell Script` (completed in `12s`). The `Shell Script` step contains the commands `[workspace0] Running shell script` and `+ docker inspect -f . /trion/ng-cli`. The `npm install` step contains the commands `[workspace0] Running shell script` and `+ npm install`.

## run job



jenkins / angular-testing-adsft / #3 - Google Chrome

angular-testing-adsft 3

Branch: — 7m 52s No changes  
Commit: — Started by user adsft sito

Start Checkout Build Test End

Test - 4m 4s

✓ Shell Script <1s

```
1 [workspace@2] Running shell script
2 + docker inspect -f . trion/ng-cli-karma
3 -
```

ng test --progress false --watch false -- Shell Script 4m 3s

```
1 [workspace@2] Running shell script
2 + ng test --progress false --watch false
3 09 04 2018 04:24:06.396:INFO [karma]: Front-end scripts not present. Compiling...
```