

Angular - Integration testing - Team lider

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April 18, 2018

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- 1 install Angular - Testing Intro

open new terminal, install Angular

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

create repo

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

```
name: angular-integration-testing
```

create angular project

```
ng new angular-integration-testing
```

```
cd angular-integration-testing
```

```
ng serve --open
```

```
ng test
```

git init, master branch

```
git init  
git remote add origin  
https://github.com/your-user-lider/angular-integration-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 trello <https://trello.com/>

- create a board
- invite to your team members
- create the cards voter, todos, users
- each developer should edit his card
- link your board to github repo
- link each card to branch develop

Go to jenkins url

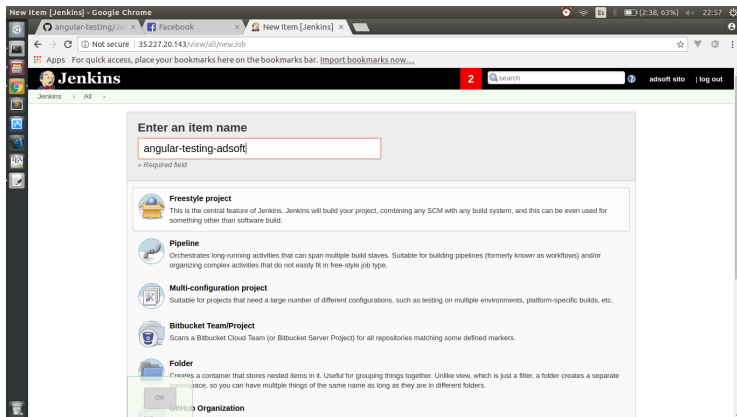
http://35.227.59.176

user: adsoftsito

passwd: 5i5i5i5i

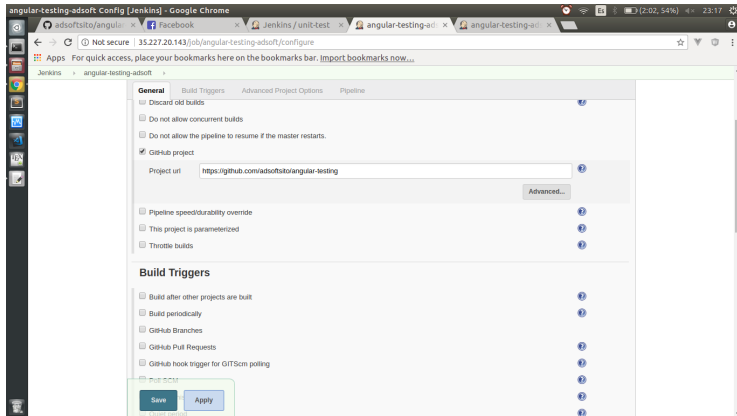
create new item

- type name : team-integration-testing
- choose Pipeline Project



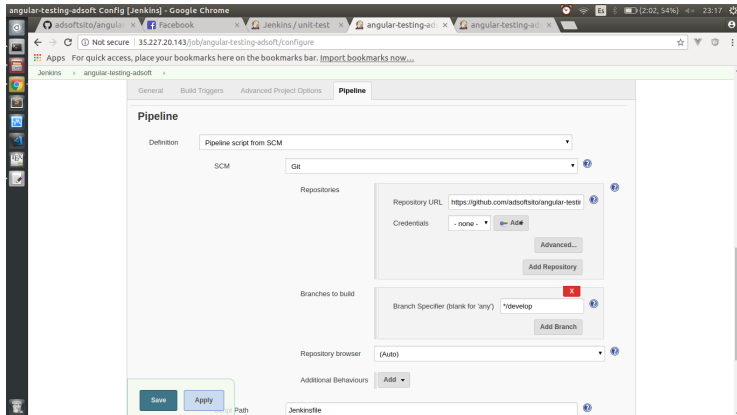
create new item

- 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 displays the Jenkins web interface in a Google Chrome browser. The address bar shows the URL `35.227.20.143/blue/organizations/jenkins/angular-testing-adsoft/detail/angular-testing-adsoft/3/pipeline`. The page title is "angular-testing-adsoft 3". Below the title, there are tabs for "Pipeline", "Changes", "Tests", and "Artifacts". The "Pipeline" tab is active, showing a build status of "Success" with a green checkmark. The build is labeled "Build - 18s". The build steps are listed as follows:

- Start
- Checkout (17s)
- Build (18s) - **Current Step**
- End

The "Build" step is expanded, showing the following commands:

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

The "Build" step is also expanded, showing the following commands:

```
[workspace@2] Running shell script
+ npm install
```

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-adsoft/detail/angular-testing-adsoft/3/pipeline`. The page title is "angular-testing-adsoft 3".

At the top, there are tabs for "Pipeline", "Changes", "Tests", "Artifacts", and a "Logout" button. Below the tabs, the pipeline status is shown: "Branch: —" and "Commit: —". The duration is "7m 52s" and the status is "No changes". It also says "Started by user adsoft sito".

The pipeline graph shows five stages: Start, Checkout, Build, Test, and End. The "Test" stage is currently selected and highlighted with a blue circle.

Below the graph, the "Test" stage details are shown, indicating it took "4m 4s". The stage is a "Shell Script" and contains the following commands:

```
1 [workspace@2] Running shell script
2 + docker inspect -f . trion/ng-cli-karma
3 .
4
5 ng test --progress false --watch false -- Shell Script
6 [workspace@2] Running shell script
7 + ng test --progress false --watch false
8 09 04 2018 04:24:06 INFO [karma]: Front-end scripts not present. Compiling...
```