# Installation Instructions

Noted: Have **git bash** for these installation on windows.

npm is a NodeJS package manager.

**Framework Installation:**

1. Node
2. Npm
3. Git bash tool
4. Curl command
5. Bower (npm install -g bower) Noted: Run all of them as RUN AS ADMINISTRATOR .. right click on CMD then select run as administrator.
6. Grunt-cli (npm install -g grunt-cli)
7. sailsJS ( npm -g install sails)
8. download Mongo 64 bit and install it

Noted: make note the path of the software installed path location.

**Complexity Report Generation:**

1. `$ cd yourapp`

2. `$ sudo npm install -g grunt-cli`

3. `$ sudo npm install -g bower`

4. `$ npm install`

5. Generate Complexity Report Generation Against Coffee File.

1. ## Modify source path. Provide coffee source file path in GruntFile.js

The following changes should be made in the GruntFile.js file:

1. Line 25:15\_: change the path

2. go to the complexity –report directory. Where you could see GruntFile.js file by providing `dir` command in windows.

3. run `grunt complieCoffee` command. Output of the above command will produce reports in the root directory

6. Generate Complexity Report Generation Against Js File.

1. ## Modify source path. Provide js source file path in GruntFile.js

The following changes should be made in the GruntFile.js file:

1. Line 15:15\_: change the path

2. Line 33:15\_: change the path

2. go to the complexity –report directory. Where you could see GruntFile.js file by providing `dir` command in windows.

3. run `grunt complieJs` command. Output of the above command will produce reports in the root directory

**MONGO Setup for API:**

1. Download mongo 3.2.3 from mongo official site.
2. For windows, download Mongo 64 bit
3. Run the below command to start mongo instance, **C:\Program Files\MongoDB\Server\3.2\bin>mongod.exe --dbpath d:\Accion\mongodb\data**

**API Configuration Settings:**

1. Download the source file from the below mentioned path.
2. Go to the root directory where you pulled the source code from the Origin. Where you could to see GruntFile.js
3. Run ` npm -g install sails` command
4. Run `npm install` command
5. Run `sails lift ` command
6. Before you do API configuration, Make sure, your mongo instance has to up and running.

**Upload file to API:**

1. Navigate to the Dir where you generated reports dir
2. Make sure your API is up and running.
3. Make sure you have installed Curl command in your box
4. Run the below command. Here, you can modify the input for lang, report-type, report-name and project name in the below command.

Sekar@SEKAR-1217 /d/Accion/Metrics/complexity-report-generation/reports

$ curl -H "Content-Type: multipart/form-data" -H "lang:js" -H "report-type:ARIC

" -H "report-name:Test" -H "project-name:Process Builder" -F "report=@checkstyl

e.json; type=application/json" -F "report=@report.json; type=application/json"

-F "report=@pmd.json; type=application/json" -F "report=@duplication.json; type

=application/json" -X POST http://localhost:1338/filesystem/upload -i -v

**Metrics UI Installation:**

1. Pull the code from origin
2. Navigate to root dir where you could see GruntFile.js file
3. Run `npm install` command
4. Run `bower install` command
5. Run `node server.js`
6. This will listen to localhost:9000/

**Bower installation issues:**

git config --global url.https://github.com/.insteadOf git://github.com/