# Install tools

All tools must work in command line by choose add to **PATH** option when you’re installing.

1. Install [**GIT-SCM**](http://git-scm.com/downloads). We will get a lot of libraries from GitHub.
2. Install **Compass** for compiling SCSS. First Install [**Ruby 1.9.x**](http://rubyinstaller.org/). After that install [**compass**](http://compass-style.org/install/).
3. Install [**NodeJS**](http://nodejs.org/download/)and tools, We have some tools wrote by NodeJS languages.

* Install [**Grunt-CLI**](http://gruntjs.com/getting-started). **$npm install -g grunt-cli**
* Install [**Bower**](http://bower.io/). **$npm install -g bower**

# Install [WebStorm IDE](http://www.jetbrains.com/webstorm/).

You should have [SVN client with CLI in your PATH](http://stackoverflow.com/questions/1625406/using-tortoisesvn-via-the-command-line) in order to make SVN bundled inside WebStorm IDE work.SVN client version should be later than 1.7.x

# Begin with T2i BoilerPlate

SVN link: <https://chtisrvdev.ti-informatique.com/svn/ti-informatique/ASBP/Groupe-T2i/Server/Web/xdev/T2i-web-boilerplate/trunk>

Import the boilderplate to WebStorm. Read the readme.txt file.

Some important commands:

1. **$npm install :** download all tools wrote in nodejs for the project.
2. **$bower install :** download all javascript libraries.
3. **$grunt bowerInstall :** add all javascript libraries to index.html.
4. **$grunt serve :** run liveReload, very helpful when develop. It automatically reload page.
5. **$grunt dist :** create a distribution by merge all css, js, html files and compress other resources.

# Working with xcomponent and xcomponent-widget trunk

Because of the **bower** only works with tags. We must do some tricks to make bower work will trunk.

1. Delete **xcomponent** and **xcomponent-widgets** if you already have it inside bower\_components folder.
2. Change the version of **xcomponent** and **xcomponent-widgets** in *bower.json* file of **boilerplate** to latest tag.
3. Run *checkout-subprojects.bat* file provided inside **boilerplate** for checkout the projects from the trunk.