**Steps for angular environment setup using Yeoman, Grunt and Bower**

*Reference link -* [*http://www.sitepoint.com/kickstart-your-angularjs-development-with-yeoman-grunt-and-bower/*](http://www.sitepoint.com/kickstart-your-angularjs-development-with-yeoman-grunt-and-bower/)

1. Create a **workspace directory** at any location you want.
2. **NODE.JS** - Install node.js on the system, you can find the downloader package at [This\_Link](https://nodejs.org/download/)
   1. Download windows installer(.msi) package
   2. During installation choose node package manager option npm
   3. After completion of installation open cmd and type ‘**node –v**’ it shall give the installed version as output, then type ‘**npm –v**’ even this shall give installed npm version as output, if so then installation has been done correctly.
3. Now we set npm related proxies, in cmd type these two commands, either type (a,b) or (c,d) command they are two different proxies
   1. npm config set proxy http://user-name:password@10.74.91.103:80
   2. npm config set https-proxy http://user-name:password@puninetpxy.ad.infosys.com:80
   3. npm config set proxy http://user-name:password@10.74.91.103:80
   4. npm config set https-proxy http://user-name:password@puninetpxy.ad.infosys.com:80
   5. npm config set strict --ssl  false
4. Now lets install bower, grunt and yo common libraries using cmd, ‘npm install -g yo grunt-cli bower’
   1. In cmd type, ‘**bower –v**’ , ‘**grunt**’, ‘**yo**’ if all three commands run properly then installation is successful
5. **RUBY –** now lets download and install ruby using [This\_Link](http://rubyinstaller.org/downloads/), download ruby 2.2.2.exe or any version available, do not download the zip file available
   1. During installation choose all 3 options specified
   2. Let the installation happen in default directory specified
6. **YEOMAN –** Lets install yeoman features and create scaffolding of our app using some commands in cmd
   1. go to the workspace folder we created in step 1 using cmd
   2. now type, ‘**npm install -g generator-angular**’
   3. next command, ‘**yo angular**’, say yes for all the questions yo asks and select ngResource as well as ngRoute from angular support files list (use spacebar for selection/deselection)
7. **IF REQUIRED –** 
   1. Put these commands for setting bower proxy
   2. In cmd, goto path c:\users\user\_name\ and type ‘**echo “” > .bowerrc**’
   3. Now open that .bowerrc file and put this code into it

{

    "directory": "app/bower\_components",

    "registry": "http://bower.herokuapp.com",

    "proxy":"http://user-name:password@10.74.91.103:80",

    "https-proxy":"http://user-name:password@10.74.91.103:80",

    "strict-ssl": false

}

1. **BOWER** - Now open .bowerrc file generated in the workspace folder we created and add this line into it

"json": "bower.json" // Add this line separated by ,

1. **GIT-**
   1. Download Git client using [This\_Link](https://git-scm.com/download/win)
   2. During installation let all the settings be set as default
   3. Note the directory where it is getting installed
   4. Now go to the directory where it gets installed and go to this folder ~root/etc/.gitconfig, open this file and include below lines

*[http] proxy = http://10.74.91.103:80*

*[https] proxy =* [*http://10.74.91.103:80*](http://10.74.91.103:80)

* 1. Now go to cmd and type this

*set PATH=%PATH%;root\_directory\_for\_git\bin;*

*example - set PATH=%PATH%;C:\Program Files (x86)\Git\bin;*

*\*If any time you get an error called ‘git not installed or not in the Path’ then set the path as shown above*

1. **BOOTSTRAP JS INTO ANGULAR**
   1. Type this in cmd, ‘**bower install angular-bootstrap –save**’
2. **COMPASS AND SASS-**
   1. In cmd, ‘**bower install compass**’ and ‘**bower install sass**’
   2. If above command gives some error, then try installing sass and compass manually as below
      1. Go to <https://rubygems.org> and search for compass
      2. Open latest compass version link available at top
      3. At the right bottom of screen above the footer you will see a **Download** link, click on it to download the respective compass.gem file
      4. On same page at top you will find heading called **Runtime Dependencies**
      5. Download all of them and also download runtime dependencies found on their respective pages
      6. Do not download development dependencies, only runtime dependencies needs to be downloaded
      7. Now go to cmd and type, ‘**gem install --local path\_to\_gem**’**,** order for installation of gems should be-
         1. Sass
         2. Chunky\_png
         3. Rb-fsevent
         4. Compass-import-once
         5. Multi\_json
         6. Compass-core
         7. Bundler (*search it separately and download it*)
         8. Ffi (*if latest version gives error then download a little older version and try*)
         9. Rb-inotify
         10. Compass
3. **GRUNT-**
   1. Now let us execute the code using, ‘**grunt serve**’
   2. Eureka, we did it if no errors are found during execution process and page loads smoothly
4. **GIT-**