Gulp

# Getting Started with Gulp

Gulp is a Node.js-based task runner. It helps us check, concatenate and minify JS, compile our Sass to Css,…

Tutorial: <https://travismaynard.com/writing/getting-started-with-gulp>

# Using Gulp in our project

There are some files in static folder (/Sharecare/web/web/src/main/webapp/static) we need to attend:

* **package.json**: provides information of our project and helps manage ours dependencies.
* **gulpfile.js**: where we define tasks of our project. But the tasks don’t write directly on this file, they are written on “./gulp/tasks” and gulpfile.js create a reference to them.
* **config.js** (./gulp/config.js): it contain configurations of tasks especially the paths of src and dest folders when we run these tasks.

The tasks are grouped and written in JS files as css.js, copy.js,… The java script tasks is put on “scripts” folder. Following is the analyze structure of css.js:

|  |  |
| --- | --- |
| var gulp = require('gulp'),  autoprefixer = require('gulp-autoprefixer'),  csso = require('gulp-csso'),  header = require('gulp-header'),  gulpif = require('gulp-if'),  notify = require('gulp-notify'),  … | Including the gulp core and plugins associated with the tasked defined in css.js |
| …  gulp.task('css-optimize', ['css-compile'], function(cb) {  if (!env.rc) {  return cb();  }  return gulp.src(config.cssFileSrc)  .pipe(autoprefixer())  .pipe(header(banner.text, banner.data))  .pipe(gulp.dest(config.cssDest));  });  … | gulp.task(‘task\_name’, [‘task\_1’,’task2’],function(){…},…);  The first parameter is the name of task, next parameters can be other tasks or functions defined for this task. |