

***** Gulp in ASP.NET MVC 4/VISUAL STUDIO 2012 article *****

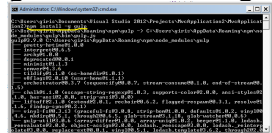
Hi,

Before reading this article please read [Bower in ASP.NET MVC 4/VISUAL STUDIO 2012](#).

What is Gulp ?

Gulp is a nodejs based task runner. I am going to use the gulp to copy the scripts from the "bower_components" directory into our mvc 4 project scripts directory.

Step 1: Install the gulp through node package manager using the following command "**npm install -g gulp**". g stands for the global option. Refer "Figure 1".



Step 2: Open the command prompt window and set the path to our asp.net mvc 4 project. Then install the gulp into our asp.net mvc 4 project using the following command "**npm install gulp**". Refer "Figure 2"

Step 3: Install the gulp-jshint, gulp-sass, gulp-concat, gulp-uglify and gulp-rename packages using the following gulp command "**npm install gulp-jshint gulp-sass gulp-concat gulp-uglify gulp-rename --save-dev**". Once you installed the those gulp packages, You will find the new folder called "node_modules" in the root of the project directory. It contains all the installed gulp packages. No need to include the "node_modules" directory into our mvc4 project. Refer "Figure 3"

Step 4: Install the gulp-clean package we need it in this article using the following command "**npm install gulp-clean**". Refer "Figure 4"

Step 5: Add the javascript file in the root of the mvc 4 project and name it as "**gulpfile.js**". Add the new directory in the root of the asp.net mvc 4 project and name it as "**Lib**", Add the sub directory inside the lib directory, Name the subdirectory as "**Js**". Refer "Figure 5"

Write the code inside the newly created gulpfile.js as written in the above figure.

Step 6: Now we are ready to run the gulp task runner. Open the command prompt, set the path to our project directory. Run the gulp task called the "**copy**" using the following command "**gulp copy**". The gulp copy task will first clean the scripts in the "**Lib/Js/**" directory and then copy the specified scripts from the "bower_components" directory into our "**Lib/Js/**" directory. Then you can include and use the scripts in the "Lib/js/" directory into your mvc 4 application. Refer "Figure 6"

Useful gulp tasks which i used in my project:

thank you.....

test code

***** END *****