# Integrating Vue JS with ASP.NET in Visual Studio 2017

**Tamir Weiss - Published on August 10, 2017**

### [Based on this article](https://www.linkedin.com/pulse/aspnet-core-visual-studio-2017-vue-es6-es2015-dawid-dworak)

1. [Node.js](http://nodejs.org/dist/v6.9.5/node-v6.9.5-x64.msi)
2. [WebPack Task Runner](http://marketplace.visualstudio.com/items?itemName=MadsKristensen.WebPackTaskRunner)
3. [Open Command Line for Visual Studio](http://marketplace.visualstudio.com/items?itemName=MadsKristensen.OpenCommandLine)

### **Start New Project**

### **Install vue-cli**

Open Windows Command Line and install the vue-cli globally with npm. Vue-cli makes setting up the Vue project very easy.

npm install -g vue-cli

There are a number of [templates](http://github.com/vuejs/vue-cli) that vue-cli offers that help with creating Vue projects at the moment (simple, webpack-simple, webpack, browserify-simple, browserify). To demonstrate the basic development workflow the webpack-simple template serves very well.

### **Create new Vue project**

Right click the website project in Visual Studio and select Open the Command Line. Create new Vue project using the following statement:

vue init webpack-simple

You will be asked a number of questions:

1. Generate project in current directory? Y(es)
2. Project name? vue-visualstudio2017
3. Project description? A Vue.js project
4. Author? Your name
5. Use sass? N(o)

npm install

### **In Visual Studio and add the following HTML snippet to Index.cshtml under Views/Home:**

<div id="app" class="row">

</div>

### **The last step is to attach the final JavaScript file generated by webpack to the \_Layout.cshtml under Views/Shared**

<script src="~/js/dist/build.js"></script>

### **Open the Task Runner Explorer in Visual Studio.**

Tasks created by the vue-cli will be available on the list. Double click the Watch - Development task within webpack.

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### **Run the solution in Visual Studio (Ctrl+F5 or F5) and watch it in action.**