



# Getting Started with Node.js, Angular, and Visual Studio Code



Pam Lahoud

December 5th, 2017 | 3

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This step-by-step guide on getting started with Node.js and Angular comes Premier Developer consultant [Crystal Tenn](#).



Here is a simple step by step guide to getting your Angular application setup with Visual Studio Code and Node. This guide will simply help you know what to install, the commands to run in PowerShell, and some basics about where to start building your app using Visual Studio Code.

1. Install Node JS with default settings for everything  
<https://nodejs.org/en/download/>
2. Download Visual Studio Code: <https://code.visualstudio.com/download>
3. Open PowerShell in admin mode. Install Angular CLI:  

```
npm install -g @angular/cli
```
4. Navigate to the folder where you want to make your angular app. I went to my C:/ directory in my PowerShell to run the following command. I am calling mine "my-new-angular-app" but you can name it anything you like.

```
ng new my-new-angular-app
```

```
PS C:\> ng new my-new-angular-app
create my-new-angular-app/e2e/app.e2e-spec.ts (300 bytes)
create my-new-angular-app/e2e/app.po.ts (208 bytes)
create my-new-angular-app/e2e/tsconfig.e2e.json (235 bytes)
create my-new-angular-app/karma.conf.js (923 bytes)
create my-new-angular-app/package.json (1329 bytes)
create my-new-angular-app/protractor.conf.js (522 bytes)
create my-new-angular-app/README.md (1031 bytes)
create my-new-angular-app/tsconfig.json (363 bytes)
create my-new-angular-app/tslint.json (2968 bytes)
create my-new-angular-app/.angular-cli.json (1253 bytes)
create my-new-angular-app/.editorconfig (245 bytes)
create my-new-angular-app/.gitignore (516 bytes)
create my-new-angular-app/src/assets/.gitkeep (0 bytes)
create my-new-angular-app/src/environments/environment.prod.ts (51 bytes)
create my-new-angular-app/src/environments/environment.ts (387 bytes)
create my-new-angular-app/src/favicon.ico (5430 bytes)
create my-new-angular-app/src/index.html (302 bytes)
create my-new-angular-app/src/main.ts (370 bytes)
create my-new-angular-app/src/polyfills.ts (2498 bytes)
create my-new-angular-app/src/styles.css (80 bytes)
create my-new-angular-app/src/test.ts (1085 bytes)
create my-new-angular-app/src/tsconfig.app.json (211 bytes)
create my-new-angular-app/src/tsconfig.spec.json (304 bytes)
create my-new-angular-app/src/typings.d.ts (104 bytes)
create my-new-angular-app/src/app/app.module.ts (314 bytes)
create my-new-angular-app/src/app/app.component.html (1120 bytes)
create my-new-angular-app/src/app/app.component.spec.ts (986 bytes)
create my-new-angular-app/src/app/app.component.ts (207 bytes)
create my-new-angular-app/src/app/app.component.css (0 bytes)
```

5. cd into your new app directory that you just created, in this case

```
cd my-new-angular-app
```

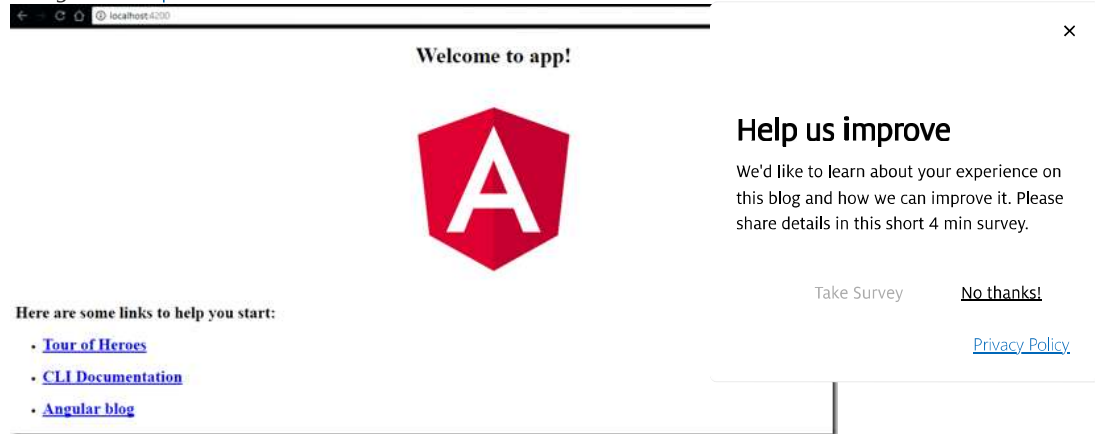
```
PS C:\> cd my-new-angular-app
```

## 6. Build app and start server

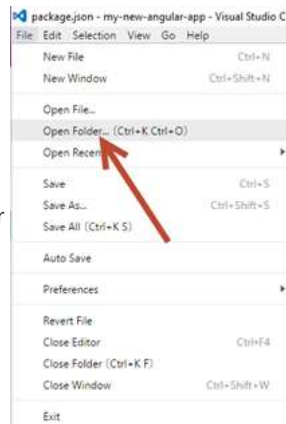
ng serve

```
PS C:\my-new-angular-app> ng serve
date: 2017-10-15T18:59:01.897Z
hash: c521954b5fb36f2b6b63
time: 10731ms
chunk (inline) inline.bundle.js, inline.bundle.js.map (inline) 5.83 kB [entry] [rendered]
chunk (main) main.bundle.js, main.bundle.js.map (main) 8.69 kB (vendor) [initial] [rendered]
chunk (polyfills) polyfills.bundle.js, polyfills.bundle.js.map (polyfills) 227 kB [initial] [rendered]
chunk (styles) styles.bundle.js, styles.bundle.js.map (styles) 11.3 kB [initial] [rendered]
chunk (vendor) vendor.bundle.js, vendor.bundle.js.map (vendor) 2.29 MB [initial] [rendered]
webpack: compiled successfully.
```

## 7. Navigate to <http://localhost:4200>

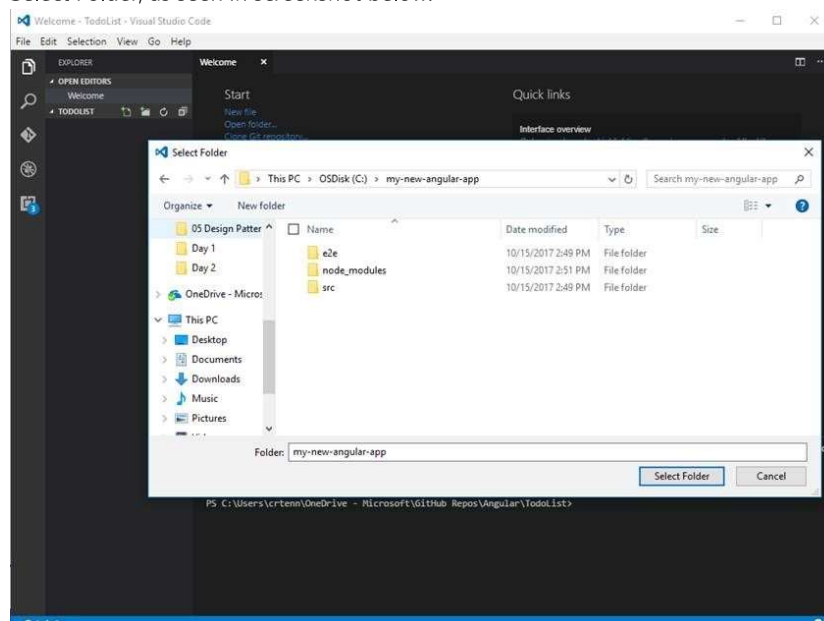


## 8. Open Visual Studio Code

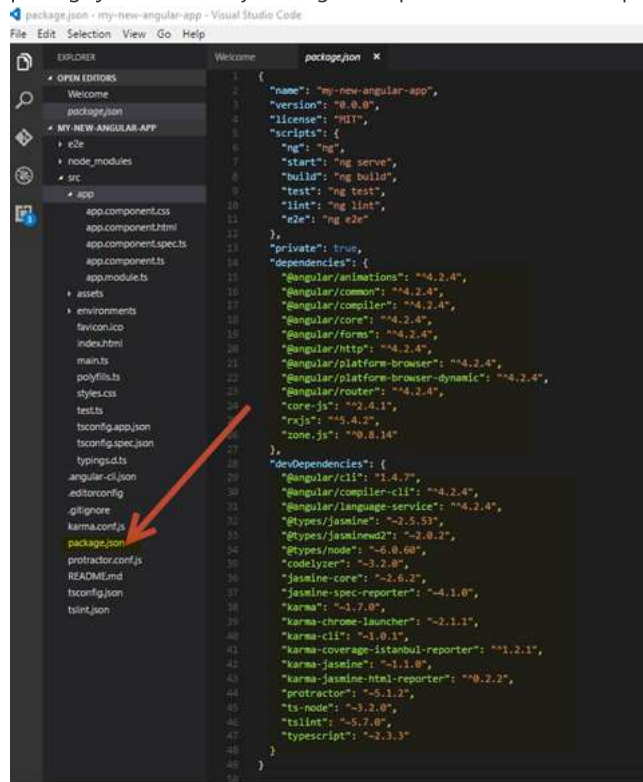


## 9. Click on File, Open Folder

## 10. Open the folder that you created. In this case it would be my-new-angular-app. Hit Select Folder, as seen in screenshot below.



11. package.json has all of your angular dependencies and other packages.



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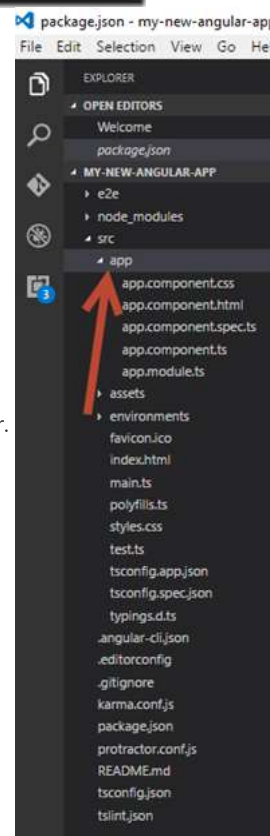
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f  
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in

12. You can add all your components in the app folder.

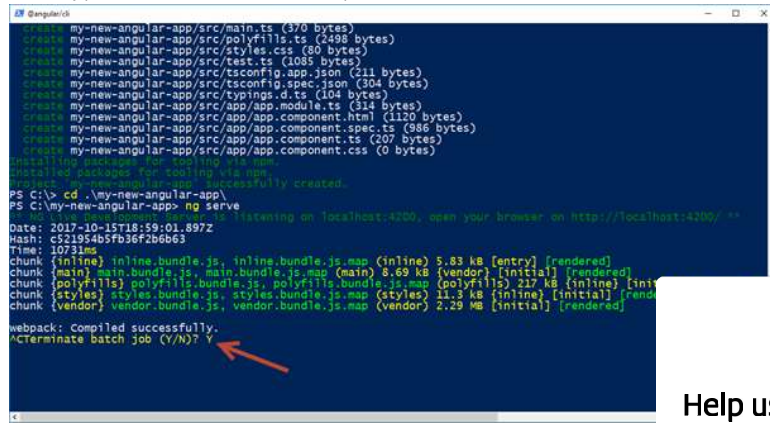


13. In PowerShell, to stop your Server:

1. Hit Ctrl + C



2. Then type "Y" and hit enter to stop it.



```
PS C:\> ng new my-new-angular-app
CREATE my-new-angular-app/src/main.ts (370 bytes)
CREATE my-new-angular-app/src/polyfills.ts (2498 bytes)
CREATE my-new-angular-app/src/styles.css (80 bytes)
CREATE my-new-angular-app/src/test.ts (1065 bytes)
CREATE my-new-angular-app/src/tsconfig.app.json (211 bytes)
CREATE my-new-angular-app/src/tsconfig.spec.json (304 bytes)
CREATE my-new-angular-app/src/typings.d.ts (104 bytes)
CREATE my-new-angular-app/src/app/app.module.ts (314 bytes)
CREATE my-new-angular-app/src/app/app.component.html (1120 bytes)
CREATE my-new-angular-app/src/app/app.component.spec.ts (986 bytes)
CREATE my-new-angular-app/src/app/app.component.ts (207 bytes)
CREATE my-new-angular-app/src/app/app.component.css (0 bytes)
Installing packages for tooling via npm
Installing packages for running via npm
Success! Your new Angular application has been created.
PS C:\> cd .\my-new-angular-app\
PS C:\my-new-angular-app> ng serve
- Webpack Dev Server is listening on localhost:4200, open your browser on http://localhost:4200/ **
Date: 2017-10-15T18:59:01.897Z
Hash: 521954b5fb36f2b6b63
Time: 10731ms
chunk {inline} inline.bundle.js, inline.bundle.js.map (inline) 5.83 kB [entry] [rendered]
chunk {main} main.bundle.js, main.bundle.js.map (main) 8.69 kB [vendor] [initial] [rendered]
chunk {polyfills} polyfills.bundle.js, polyfills.bundle.js.map (polyfills) 227 kB [inline] [initial] [rendered]
chunk {styles} styles.bundle.js, styles.bundle.js.map (styles) 11.3 kB [inline] [initial] [rendered]
chunk {vendor} vendor.bundle.js, vendor.bundle.js.map (vendor) 2.29 MB [initial] [rendered]

webpack: Compiled successfully.
CTerminate batch job (Y/N)? Y
```

14. See the following link for docs on how to use Angular:

<https://angular.io/guide/styleguide>

([Link to Portuguese version of this article](#))

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Thanks. Very helpful



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very helpful for beginners to know how to kick start an application using angular



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Thanks for this well detailed article.  
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