Getting Started

Prerequisites

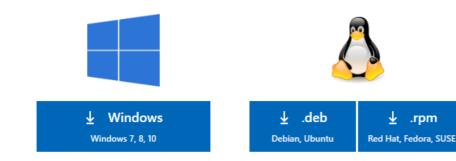
- Node and NPM
- Visual Studio Code
- Angular CLI
- Git

Visual Studio Code

Install Visual Studio Code.

Download Visual Studio Code

Free and built on open source. Integrated Git, debugging and extensions.





Node Setup

You can install a single version of NodeJS on your machine. However, for web development it is much easier to use a Node Version Manager that can load and switch between different versions.

Your future self will thank you for doing this.

Use either the Windows or Mac instructions based on your computer.

Windows Node Version Manager

Download and install Node Version Manager for Windows. Verify your installation in a new terminal using the command below.

nmv list

Verify the version of Node that you are running.

```
node - v;
```

Mac Node Version Manager

Use the instructions at https://github.com/nvm-sh/nvm

Use/Select Node Version

Each version of Angular will need to use compatible versions of the following tools/packages.

- Angular CLI
- Node
- NPM
- TypeScript

Use the following *unofficial* - yet very reliable guidance at: Angular CLI, Angular, Node.js and TypeScript compatibility.

To target Angular 10, we will need to use NodeJS version 12.11.x or later minor version. Use the nvm tool to install this version

```
nvm install 12.11
```

Here is the output of the installation. To complete our setup

```
nvm install 12.11
12.11.0

Downloading node.js version 12.11.0 (64-bit)...

Complete

Creating C:\Users\matt\AppData\Roaming\nvm\temp

Downloading npm version 6.11.3... Complete
Installing npm v6.11.3...

Installation complete. If you want to use this version, type

nvm use 12.11.0
```

To complete our setup, use the command:

```
nvm use 12.11.0
```

Yarn or NPM

Install Yarn.

```
yarn - v;
```

Angular CLI

When you want to target a specific version of Angular (not latest), you can view the versions of the Angular CLI at https://www.npmjs.com/package/@angular/cli.

Use the list to view the latest version of the target *major* and *minor* number. For example if we want to use Angular version 10, the latest version is 10.2.0. We can install this version using the command: npm i @angular/cli@10.2.0

```
npm i -g @angular/cli@10.2.0
```

Use the ng --version command in your terminal to verify the installation and to see the version information.

Angular Upgrades

Get information about Angular versions/releases. There is an Update Guide tht provides help to upgrade to newer versions of Angular. See: https://update.angular.io/

For example, if you want to upgrade from version 8 to version 9, you can use the guide for steps.

Git

Install Git on your machine.

```
git version
git version 2.19.1.windows.1
```

Clone the repository.

```
git clone https://github.com/buildmotion/learn-angular-in-3-days
```

Use your terminal to change directory to workspace.

```
cd workspace
```

Use the code . command in your terminal to open the directory in Visual Studio Code.

code .

