

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.



↓ Windows
Windows 7, 8, 10



↓ .deb
Debian, Ubuntu

↓ .rpm
Red Hat, Fedora, SUSE



↓ Mac
macOS 10.10 +

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.

```
ng --version
```



```
Angular CLI: 10.2.0
```

```
Node: 12.15.0
```

```
OS: win32 x64
```

```
Angular:
```

```
...
```

```
Ivy Workspace:
```

Package	Version
@angular-devkit/architect	0.1002.0 (cli-only)
@angular-devkit/core	10.2.0 (cli-only)
@angular-devkit/schematics	10.2.0 (cli-only)
@schematics/angular	10.2.0 (cli-only)
@schematics/update	0.1002.0 (cli-only)

Angular Upgrades

Get information about Angular [versions/releases](https://angular.io/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 .
```

