

# Ionic Training Setup Instructions

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PLEASE DO BEFORE CLASS

# Node.js

You need to have [Node.js](#) installed on your local machine.

- You will need a minimum of [Node.js](#) v6.9.x with npm v3  
`node -v && npm -v #` to find which versions you have
  - `node v8 with npm v5 is now recommended`
- If you don't have that, download:  
<https://nodejs.org/en/download>

## Mac/Linux

If you use Node often, and want to support multiple versions, check out:  
(not required....)

<https://github.com/creationix/nvm>

# Windows Build Tools

On Windows, it may be necessary to install C++ [windows-build-tools](#).

The following must be done in an [Administrator Command Prompt](#):

```
npm install --global --production windows-build-tools
```

# Install Ionic

Once node is installed, lets get the latest Cordova and Ionic command-line tools. Do this in a regular (not Admin) terminal:

```
npm install --global cordova ionic
```

You will have to wait some time for all the necessary packages to download from <https://www.npmjs.com>. When complete, "cd" to where you want your `project` folder to live and type the following to create the initial Ionic App folder:

```
ionic start myApp tabs
```

# ionic start Questions:

You can answer differently, but for now let's choose the default answers:

- Would you like to integrate your new app with Cordova to target native iOS and Android? (y/N) **NO**
- Install the free Ionic Pro SDK and connect your app? (Y/n) **NO**

Finally at the command line:

```
cd myApp
```

# Download and install Ionic DevApp on your phone or device

Search for Ionic DevApp

On Google Play:

- <https://play.google.com/store/apps/details?id=io.ionic.devapp>

On Apple's App Store:

- <https://itunes.apple.com/us/app/ionic-devapp/id1233447133>

If you don't have an account **Sign up**.

Keep the app running with the screen on!



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# Run your first Ionic app

'cd' into the project folder created by the `ionic start` command:

```
cd myApp
```

Start the Ionic App:

```
ionic serve -cl
```

A browser should soon open on now be able to open a browser to <http://localhost:8100/ionic-lab> and you will see the Ionic app running!

If your device is on the same WiFi/LAN network, you will be able to see the app there as well!



# IDE (Integrated Development Environment)

Install a local IDE:

- WebStorm - Recommended. A 30 day trial is available at:

<https://www.jetbrains.com/webstorm/download/>

- [WebStorm Keyboard Shortcuts Reference](#)
  - [Keyboard & Mouse Docs](#)
- If you use WebStorm, please use the latest version, older versions may not support Angular2 or TypeScript.
- You can also use Visual Studio Code - Free at <https://code.visualstudio.com>