



# Angular Workshop at Caribbean Developers Conference

## Setting up your environment

### Context

Important: Those instructions will help you to get the basic environment working in your laptop (PC or MAC) **before** the workshop. Please proceed with the installations in order to improve your experience during this event!

### Introduction

We are going to use the **Angular CLI** to do the labs. It is some kind of starter kit for Angular projects. This is a solid base that follows the best practices and will reduce setup time so we can focus on learning Angular!

### Setup

Follow these steps to setup your environment:

## Step 1: Install Node.js (If not already done)

You can check whether you have Node.js setup by opening a terminal (MAC) or command prompt (PC) on your development machine and executing **node -v**.

If you do not have **v8.0 minimum** or if you get an error, go to <https://nodejs.org/> and download then install the latest “LTS” distribution for your development machine.

Need help to install node? Follow this guide:

<https://docs.npmjs.com/getting-started/installing-node#install-npm--manage-npm-versions>

Then, check that you have **npm version 3 minimum** with command: **npm -v**

If not, you can update npm with: **npm install -g npm@latest**

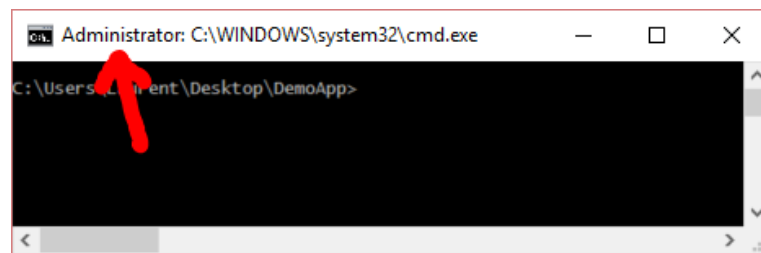
# Step 2: Install the Angular CLI

Now you need to install the **Angular CLI** from npm, which is Node.js' package manager.

*If you had **already installed a version of the CLI previously**, you must update it by following the same install procedure seen below.*

## Install (or update) the CLI:

**Windows users**, open a command prompt in **admin mode**



If you need help on how to open a command prompt in admin mode, follow this guide:  
<http://pcsupport.about.com/od/commandlinereference/f/elevated-command-prompt.htm>

Then execute the following command:

```
npm install -g @angular/cli
```

**MAC users**, open your terminal and run this command:

```
sudo npm install -g @angular/cli
```

Problem: npm does not work on my corporate network!

Please refer to the following procedure:

<https://jasonclark.com/how-to-setup-node-behind-web-proxy>

Problem: npm gives you this error: `UNABLE_TO_GET_ISSUER_CERT_LOCALLY`

You may fix this by editing the file `C:\Program Files\nodejs\node_modules\npm\npmrc` and add this line: `strict-ssl=false`

But I get **WARNINGS!!**

It is possible that you see some warnings in the installation window, in general this is not a problem. Pay more attention to **ERRORS**, marked in red. In this case note the error and try to find a solution on Google because it can be a multitude of different problems.

## Step 3: Prepare an initial project

Create a new folder somewhere in your local drive, (ie: C:\Users\MyUserName\AppData\).  
On a terminal (MAC) or command prompt (PC), **navigate to this new folder**, then execute the *\*exact\** following command:

```
ng new DemoApp --routing -S
```

Wait for the procedure to finish (it might take some time!).

To test if everything works, run the following commands:

```
cd DemoApp  
ng serve -o
```

This will compile the app and open your default web browser on <http://localhost:4200>  
you should see this message: "Welcome to app!!".

*If you use Internet Explorer you want to try with another browser (Chrome, Firefox, ...) for now, but I will show you how you can make it work on IE!*

That's it, there is nothing more to do right now. We will start from here to work on a new Angular app!

## And what about the code editor??

You can use the tool of your choice (Sublime, Atom, Eclipse, WebStorm, IntelliJ, Visual Studio, ...).  
The instructor is using **Visual Studio Code**, which is free, available on PC, MAC and Linux, and offers free extensions which greatly improve the experience while developing an Angular app. We strongly recommend you to give it a try! You can download it from <http://code.visualstudio.com>

## Questions/Support

If you have any questions, send them to [setup@angular.ac](mailto:setup@angular.ac), Thanks!

