

Scouting App Training

Team 294

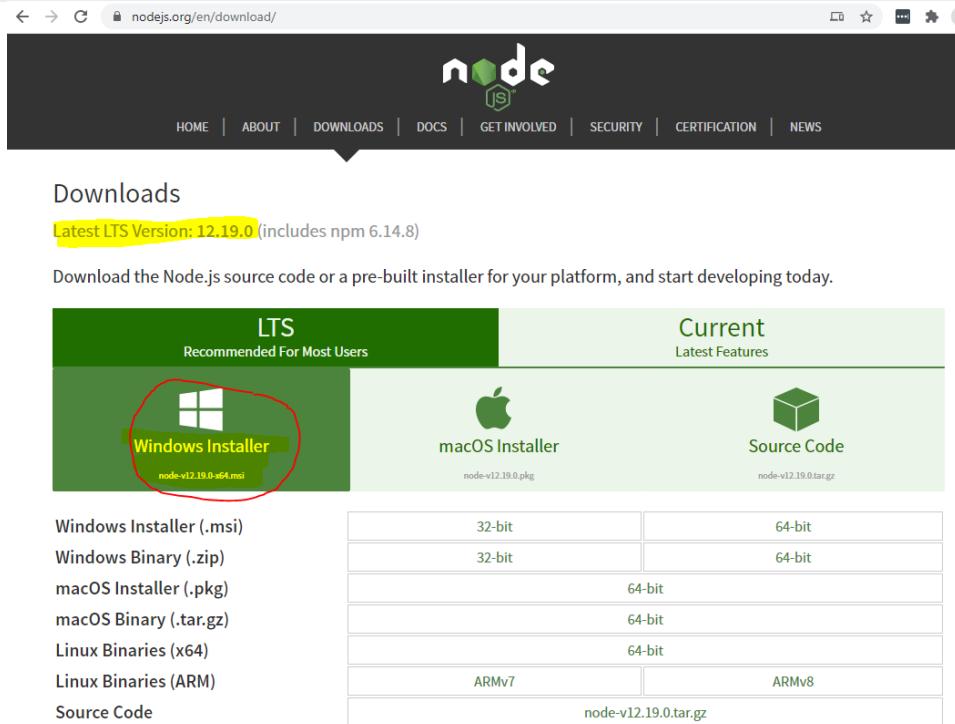
Introduction to Angular and Web Service Programming

Angular Setup

Install Node.js

<https://nodejs.org/en/download/>

Latest LTS Version: **12**



The screenshot shows the Node.js download page. The 'LTS' section is highlighted in green, and the 'Windows Installer' link is circled in red. Below the download options, a list of available formats is provided, and a table shows the architecture options for the macOS and Linux binaries.

nodejs.org/en/download/

node

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Downloads

Latest LTS Version: **12.19.0** (includes npm 6.14.8)

Download the Node.js source code or a pre-built installer for your platform, and start developing today.


LTS


Recommended For Most Users


Windows Installer
node-v12.19.0-x64.msi

Current

Latest Features


macOS Installer
node-v12.19.0.pkg


Source Code
node-v12.19.0.tar.gz

Windows Installer (.msi)

Windows Binary (.zip)

macOS Installer (.pkg)

macOS Binary (.tar.gz)

Linux Binaries (x64)

Linux Binaries (ARM)

Source Code

32-bit	64-bit
32-bit	64-bit
64-bit	
64-bit	
64-bit	
ARMv7	ARMv8
node-v12.19.0.tar.gz	

Angular Documentation

<https://angular.io/guide/setup-local>

Version 10.2

☰

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stable (v10.2.0)

Setting up the local environment and workspace

This guide explains how to set up your environment for Angular development using the [Angular CLI tool](#). It includes information about prerequisites, installing the CLI, creating an initial workspace and starter app, and running that app locally to verify your setup.

TRY ANGULAR WITHOUT LOCAL SETUP

If you are new to Angular, you might want to start with [Try it now!](#), which introduces the essentials of Angular in the context of a ready-made basic online store app that you can examine and modify. This standalone tutorial takes advantage of the interactive [StackBlitz](#) environment for online development. You don't need to set up your local environment until you're ready.

Prerequisites

To use the Angular framework, you should be familiar with the following:

- JavaScript
- HTML
- CSS

Setting up the local environment and workspace

Prerequisites

Install the Angular CLI

Create a workspace and initial application

Run the application

Next steps

Install Angular CLI

Open a command line window

cd to the GitHub\OrcaTrain\angular directory

node -v
v12.19.0

npm install
added 60 packages from 125 contributors and audited 1798 packages in 10.933s

ng version
Angular CLI: 10.2.0
Node: 12.19.0
OS: win32 x64

Run the Angular App

ng serve -open

http://localhost:4200/

← → ↻ ⓘ localhost:4200 📄 ☆ ⋮

Login

Username	<input type="text"/>
Password	<input type="password"/>

Login

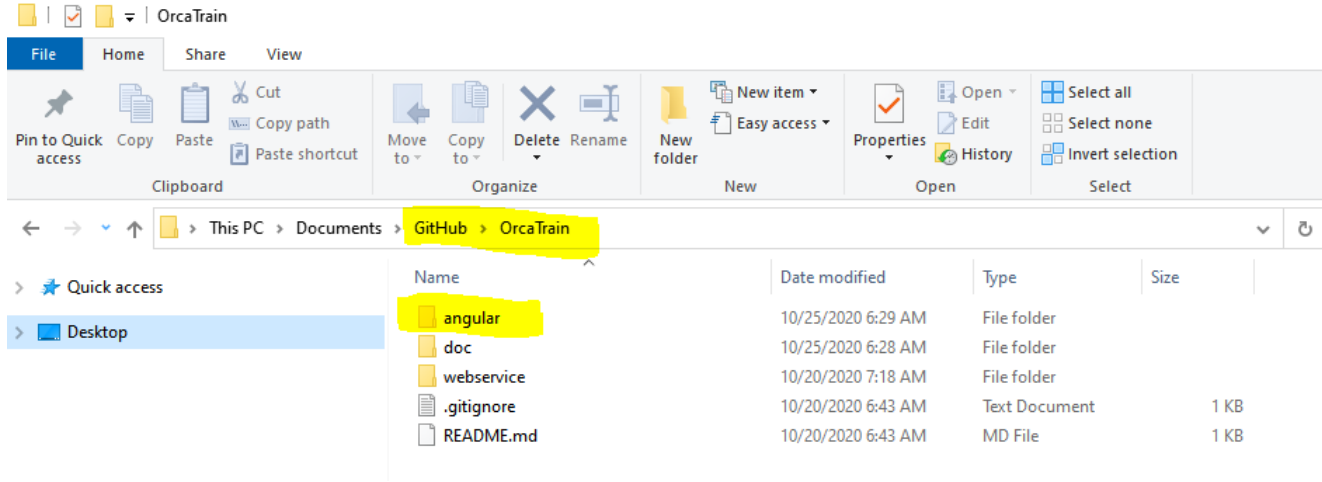
```
C:\Users\Paul\Documents\GitHub\OrcaTrain\angular>ng serve --open
Compiling @angular/core : es2015 as esm2015
Compiling @angular/common : es2015 as esm2015
Compiling @angular/platform-browser : es2015 as esm2015
Compiling @angular/router : es2015 as esm2015
Compiling @angular/platform-browser-dynamic : es2015 as esm2015

chunk {main} main.js, main.js.map <main> 17.8 kB [initial] [rendered]
chunk {polyfills} polyfills.js, polyfills.js.map <polyfills> 141 kB [initial] [rendered]
chunk {runtime} runtime.js, runtime.js.map <runtime> 6.15 kB [entry] [rendered]
chunk {styles} styles.js, styles.js.map <styles> 12.5 kB [initial] [rendered]
chunk {vendor} vendor.js, vendor.js.map <vendor> 2.62 MB [initial] [rendered]
Date: 2020-10-25T14:01:05.319Z - Hash: 0559977c72929b5949e3 - Time: 7715ms
** Angular Live Development Server is listening on localhost:4200, open your browser on http://localhost:4200/ **
: Compiled successfully.

Date: 2020-10-25T14:01:06.905Z - Hash: 0559977c72929b5949e3
5 unchanged chunks

Time: 647ms
: Compiled successfully.
```

VS Code



- Open the angular folder in VS Code

Angular Project

The screenshot displays the Visual Studio Code interface. On the left, the Explorer sidebar shows the file tree of an Angular project. The 'src' directory is expanded, showing 'app' > 'login' > 'login.component.html' selected. The main Editor area shows the code for 'login.component.html'. The code defines a container div that contains a heading 'Login' and a table with two input fields for 'Username' and 'Password', each with a 'form-control' class. A 'Login' button with 'btn btn-primary' classes is also present.

```

1 <div class="container">
2
3   <h1>Login</h1>
4
5   <table class="table table-bordered table-sm">
6     <tr>
7       <th scope="row">Username</th>
8       <td><input class="form-control" /></td>
9     </tr>
10    <tr>
11      <th scope="row">Password</th>
12      <td><input type="password" class="form-control" /></td>
13    </tr>
14  </table>
15
16  <div>
17    <button class="btn btn-primary">Login</button>
18  </div>
19
20 </div>
21
22

```