

Manchester Nodejs workshop

Getting Started with Nodejs

www.darrylbrown.co.uk

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What is Nodejs?

- ▶ The nodejs home page says:

Node.js® is a JavaScript runtime built on Chrome's V8 JavaScript engine. Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient.

- ▶ StackOverflow has this to offer:

Node.js is an event-based, non-blocking, asynchronous I/O framework that uses Google's V8 JavaScript engine and libuv library.



What is Nodejs?

- ▶ Webservice
- ▶ JavaScript run-time environment
 - ▶ for executing JavaScript on the server
 - ▶ Uses V8 JavaScript engine
 - ▶ ES6 Support
- ▶ Event-driven architecture
 - ▶ capable of asynchronous I/O



Why choose Nodejs?

- ▶ Very efficient = Highly scalable
- ▶ Cross platform (Windows, Linux, Unix, Mac OS X, etc.)
- ▶ Open source
- ▶ Broad industry support
- ▶ NPM



Lets dive in

- ▶ Install nodejs

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

- ▶ Install an editor

Visual Studio Code

- ▶ Tip: Check nodejs is correctly installed:

```
node --help
```



node
JS

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Node.js® is a JavaScript runtime built on Chrome's V8 JavaScript engine. Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient. Node.js' package ecosystem, **npm**, is the largest ecosystem of open source libraries in the world.

Spectre and Meltdown in the context of Node.js.

Download for Windows (x64)

8.9.4 LTS
Recommended For Most Users

9.4.0 Current
Latest Features

Other Downloads | Changelog | API Docs Other Downloads | Changelog | API Docs

Or have a look at the [LTS schedule](#).

Sign up for [Node.js Everywhere](#), the official Node.js Weekly Newsletter.

Hello world

```
var http = require('http');  
  
http.createServer().listen(8080);
```

<http://localhost:8080/>



Hello world

```
var http = require('http');

http.createServer(function (request, response) {
  response.writeHead(200, {'Content-Type': 'text/html'});
  response.end('Hello World!');
}).listen(8080);
```

<http://localhost:8080/>



modules

assert buffer child_process
cluster crypto dgram dns
domain events fs http https
net os path querystring
readline stream string_decoder timers
tls tty url util
v8 vm zlib



M.E.A.N stack

- ▶ MongoDB
- ▶ Express.js
- ▶ Angular.js
- ▶ Node.js



Get in touch

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