

Introduction to Node.js

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Agenda

- What is Node.js?
- npm
- Why would I use it?
- Syntax
- Some examples
- Live demo

What is Node.js?

- From nodejs.org
- Node.js is a platform built on Chrome's JavaScript runtime for easily building fast, scalable network applications. Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient, perfect for data-intensive real-time applications that run across distributed devices.

npm

- Node Package Manager (NPM)

Why would I use it?

- Quick and easy script editing
- My experience has been that installation is much quicker/easier than Rails (and gem)

Syntax

Hello World

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

http.createServer(function (request, response) {
  response.writeHead(200, {'Content-Type': 'text/plain'});
  response.end('Hello World\n');
}).listen(8124);

console.log('Server running at http://127.0.0.1:8124/');
```

```
> node example.js
Server running at http://127.0.0.1:8124/
```

```
$ curl http://127.0.0.1:8124/
Hello World
```

Some examples

Live demo

- http server
- fixed protocol response
- directory list
-

Links

- nodejs.org
- npmjs.org
- github.com/joyent/node
- howtonode.org
- github.com/dougtoppin/node