

Node.js and NPM

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What is Node.js?

- JavaScript runtime built on Chrome V8 JavaScript Engine
- Uses an event-driven, non-blocking I/O model
 - Makes it lightweight and efficient

Node Architecture

Node Core / Standard Library (JS)

Node Bindings (C++)

Chrome V8 (C++)

libuv (C)

Node.js Use Cases

- Utilities written in JavaScript for web development:
 - Bower, Grunt, Gulp, Yeoman etc.
- Server-side Development
 - Web server, Business logic, Database access

Node Package Manager

- Node package manager (NPM): manages ecosystem of node modules / packages
- A package contains:
 - JS files
 - package.json (manifest)

Exercise: Setting up Node.js and NPM

- Complete the set up of Node.js and NPM on your machine
- Understand the basics of Node.js and NPM