

# Learning ECMAScript 6: Moving to the New JavaScript

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*Joris Hermans*

Section 1

## *Setting Up Your Environment*



In this Section, we are going to take a look at...

- Installing tools
- Basic transpiling
- Browser compatibility

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Video 1.2

*Installing Tools*



In this Video, we are going to take a look at...

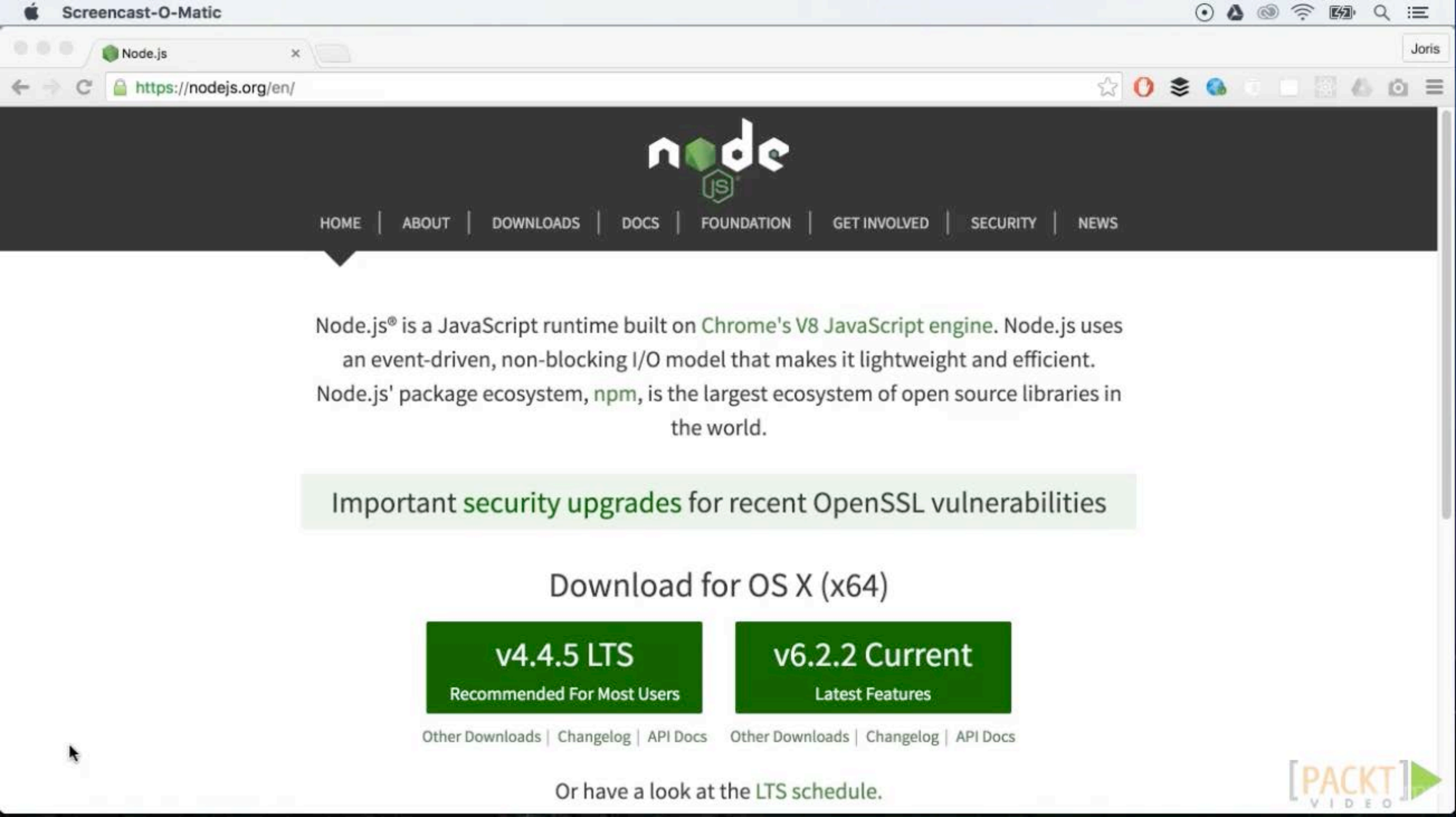
- Evolution of JavaScript
- Installing Node.js and babel.js

# Evolution of JavaScript

- ECMA international
- Every year a new specification ready
- ES6 or ES2015 specs
  - finalized June 2015
- ES7, smaller release
  - finalized June 2016







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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.

Important [security upgrades](#) for recent OpenSSL vulnerabilities

## Download for OS X (x64)

**v4.4.5 LTS**  
Recommended For Most Users

**v6.2.2 Current**  
Latest Features

[Other Downloads](#) | [Changelog](#) | [API Docs](#)   [Other Downloads](#) | [Changelog](#) | [API Docs](#)

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



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# Babel is a JavaScript compiler.

Use next generation JavaScript, today.

[Check out the Babel Handbook!](#)

Star

16,132



Terminal Shell Edit View Window Help

mud — npm MANPATH=/Users/jorishermans/.nvm/versions/node/v4.0.0/share/man:/usr/local/share/man:/usr/share/man:/Library/Developer/CommandLineTools/usr/share/man TERM\_PROGRAM=App...

```
MacBook-Pro-van-Joris:es6 jorishermans$ mkdir mud
MacBook-Pro-van-Joris:es6 jorishermans$ cd mud
MacBook-Pro-van-Joris:mud jorishermans$ npm init
```

This utility will walk you through creating a package.json file.  
It only covers the most common items, and tries to guess sensible defaults.

See `npm help json` for definitive documentation on these fields  
and exactly what they do.

Use `npm install <pkg> --save` afterwards to install a package and  
save it as a dependency in the package.json file.

Press ^C at any time to quit.

```
name: (mud)
version: (1.0.0)
description: a game (multi u
```



```
[test command:
[git repository:
[keywords: es6 es2015 demo
[author: Joris Hermans
[license: (ISC)
About to write to /projects/es6/mud/package.json:
```

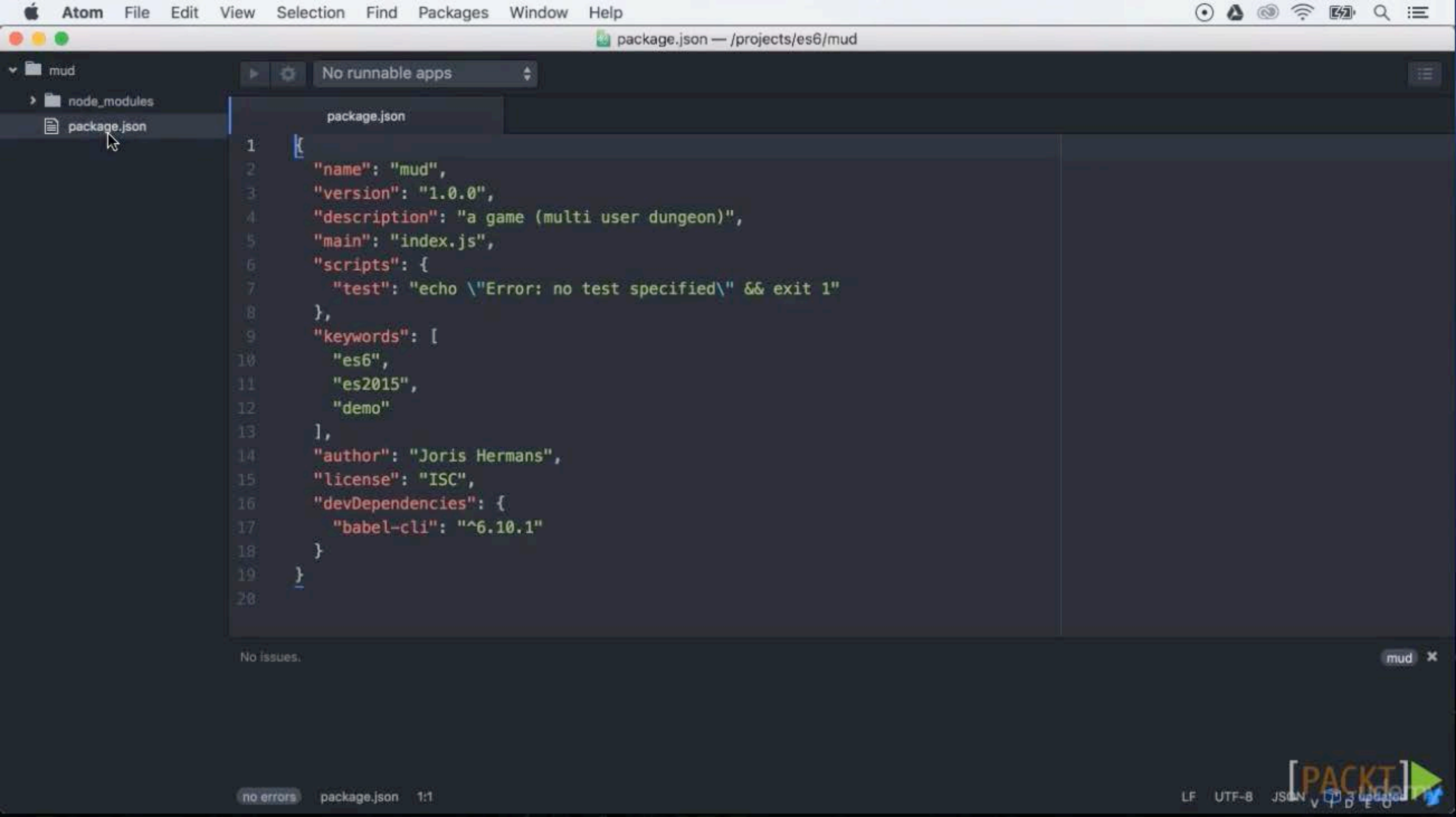
```
{
  "name": "mud",
  "version": "1.0.0",
  "description": "a game (multi user dungeon)",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [
    "es6",
    "es2015",
    "demo"
  ],
  "author": "Joris Hermans",
  "license": "ISC"
}
```

Is this ok? (yes) yes

MacBook-Pro-van-Joris:mud jorishermans\$ npm install --save-dev babel-cli

npm WARN package.json mud@1.0.0 No repository field.

npm WARN package.json mud@1.0.0 No README data



Next Video

Basic Transpiling