#### Web Development with Node.js and MongoDB

Andrew Marcinkevičius

Section 2

Understanding Node.js Apps



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

- CommonJS
- npm
- The Event Loop
- Working with streams
- Working with files



#### Web Development with Node.js and MongoDB

Andrew Marcinkevičius

Video 2.1

CommonJS



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

- What CommonJS is
- Organizing modules
- Import/export module



#### What Is CommonJS?

- Group with goal to build JavaScript ecosystem
- Ratified modules standard
- Modules keep global scope clean



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'use strict';
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                                  // const fs = require('fs');
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                                     const helloString = require('./02-hello-string');
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     02-hello-string.js
                                  // const helloFunction = require('./03-hello-function');
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                                  // const helloObject = require('./04-hello-object');
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                                  // const name = require('./04-hello-object').name;

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                                  // console.log(helloString);

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                                  // helloFunction();
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                                  // console.log(name);
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01-main.js

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    // console.log(helloString);
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    export-environment-variables.sh
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01-main.js 02-hello-string.js ×

1 module.exports = 'Hello string';
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2 Words, Line 2, Column 1 0 misspelled words UTF-8 Unix Spaces: 4 V JaVaScript (Babel)

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**Rewind 15s** 

Go to Dashboard

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Hello string

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**Rewind 15s** 

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CommonJS



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Go to Dashboard

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Unix



04-hello-object.js

01-main.js

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20 Words, Line 11, Column 1 2 misspelled words UTF-8 Unix Spaces: 4 V JaVaScript (Babel)

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20 Words, Line 9, Column 1

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UTF-8

Unix

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```



UTF-8

```
$ node 01-main.js
Hello string
Hello function
Hello Andrew
World

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#### Importing Modules

- Relative path: require('./hello')
- Absolute path: require('/home/world/hello')
- Name: require('hello')
  - Looks at core libraries or "node\_modules" directory



# Next Video

npm

