

Bootstrapping a React project with ES6

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Stage 0 Karma Babel Isparta WebPack Dev
Server TypeScript Istanbul PhantomJS NPM
Scripts NPM Bluebird PostCSS Bower React
JSX Babel-Loader Hot Module Reloading
ES2015 JSCS ES7+ Traceur ES6 Flow AMD
JSLint ESLint Chai WebPack Gulp Mocha Grunt

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Yeoman / starter kits

Pro

- ★ Usor de folosit
- ★ Suport din partea comunitatii

Contra

- ★ In general destul de complexe
- ★ Inflexibile
- ★ Tot trebuie sa pricepi boilerplate-ul la un moment dat

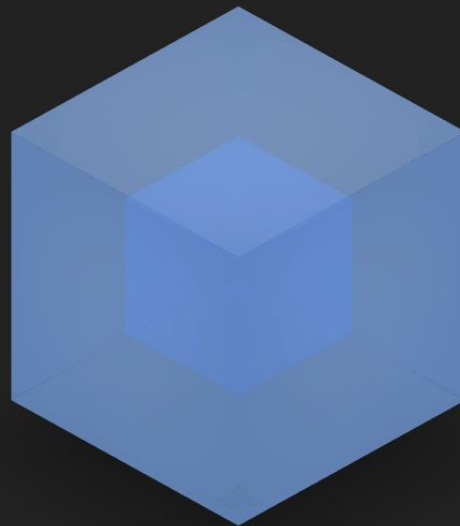
WebPack

★ Module bundler

- JS
 - ES5/6/7/etc.
 - Flow
 - CommonJS / AMD
- CSS, LESS, SASS, etc.
- Imagini si alte asset-uri

★ Foarte modular

- multe pluginuri



Babel

★ JavaScript compiler

- Compileaza un dialect de JS (ES5/6/7+, Flow, JSX, etc.) in alt dialect de JS
- Foarte modular (plugins + presets)
- Babel-loader pentru WebPack
- Polyfills

The word "BABEL" is written in a large, bold, yellow, hand-drawn style font. The letters are slightly slanted and have a rough, textured appearance, giving it a graffiti-like or artistic feel.

NPM

- ★ Nu doar pentru Node.js!
- ★ O alternativa foarte buna la Bower
- ★ NPM Scripts
- ★ Normal dependencies vs. development dependencies
- ★ Package.json



ES6

- Arrow functions
- Import / export syntax
- Array / object destructuring
- Classes
- Template literals
- etc.

A yellow square containing the text "ES6" in a bold, dark gray sans-serif font.

ES6

ES6 - arrow functions

```
function(a) { return a + 2 }
```

```
a => a + 2
```

```
function(a, b) { return a * b }
```

```
(a, b) => a * b
```

```
(function(a) { return a + this.b  
}).bind(this)
```

```
a => a + this.b
```

```
function(a) { return a[1] - a[0] }
```

```
([a, b]) => b - a
```

```
function(o) { var c = o.a + o.b;  
return c }
```

```
({ a, b }) => { const c = a + b;  
return c }
```

ES6 - import / export

```
import React from 'react'
```

```
import { Card } from 'material-ui'
```

```
export default function f() { //  
... }
```

```
export const pi = 22 / 7;
```

```
var React = require('react');
```

```
var Card =  
require('material-ui').Card
```

```
module.exports = function f() { }
```

```
module.exports.pi = 22 / 7
```

ES6 - classes

```
class A extends B {  
    constructor() {  
        super() // must be the first statement  
    }  
    static f() { // ... }  
}
```

ES6 - template literals

`“GBP” + format(amount)`

``GBP${format(amount)}``

`“\\n”`

`String.raw`\\n``

Live Demo

Windows

A fatal exception 0E has occurred at 0028:C0034B23. The current application will be terminated.

- * Press any key to terminate the current application.
- * Press CTRL+ALT+DEL again to restart your computer. You will lose any unsaved information in all applications.

Press any key to continue _

Q&A