





React





# Trivia Time

¿Que tanto se acuerdan de JS?





# ES6

ECMAScript v6 es el nuevo estándar de JavaScript.



A decorative graphic on the left side of the slide consists of a large cyan hexagon in the center, surrounded by several smaller hexagons in various shades of blue and cyan. These smaller hexagons contain white icons: a lightbulb, a thumbs-up, a network of nodes, a smartphone, a magnifying glass, a gear, and a speech bubble.

# Nuevas características

- Arrow Functions
- Clases
- Template Strings
- Let & const
- Default + rest + spread

<http://es6-features.org/>



# Arrow functions

// ES5

```
var duplica = function(num) {  
    return num * 2;  
}
```

// ES6

```
var duplica = (num) => num * 2;
```



# Classes

```
class Poligono {  
  constructor(height, width) {  
    this.height = height;  
    this.width = width;  
  }  
  get area() {  
    return this.calcArea();  
  }  
  calcArea() {  
    return this.height * this.width;  
  }  
}  
  
const cuadrado = new Poligono(10, 10);  
console.log(cuadrado.area);
```





# Template Strings

```
var name = "Pepe";  
console.log(`Yo, ${name}!`);
```

```
// => "Yo, Pepe!"
```







# Let & Const

```
const PI = 3.15;
```


```
PI = 3.14159; // ERROR, porque es sólo-lectura
```

```
if(true) {
```

```
    let x = "hola mundo";
```

```
}
```

```
console.log(x); // ERROR, porque está dentro del bloque del if
```





# Default

```
function inc(number, increment=1) {  
  return number + increment;  
}  
  
console.log( inc(2, 2) ); // 4  
console.log( inc(2) );   // 3
```





# Babel

Babel.js es un transcompilador que nos permite convertir nuestro código de JavaScript **ES6** en código de **ES5**.





**archivo1.js**

**archivo2.js**

**archivo3.js**

**archivo4.js**

**archivo5.js**

**archivo6.js**

**archivo7.js**

**ES6**



**ES6**





```
{
  "presets": [
    "es2015",
    "stage-0",
    "react"
  ],
  "env": {
    "development": {
      "plugins": [
        "transform-class-properties",
        ["react-transform", {
          "transforms": [{
            "transform": "react-transform-hmr",
            "imports": ["react"],
            "locals": ["module"]
          }, {
            "transform": "react-transform-catch-errors",
            "imports": ["react", "redbox-react"]
          }
        ]
      ]
    }
  ]
}
```

# .babelrc

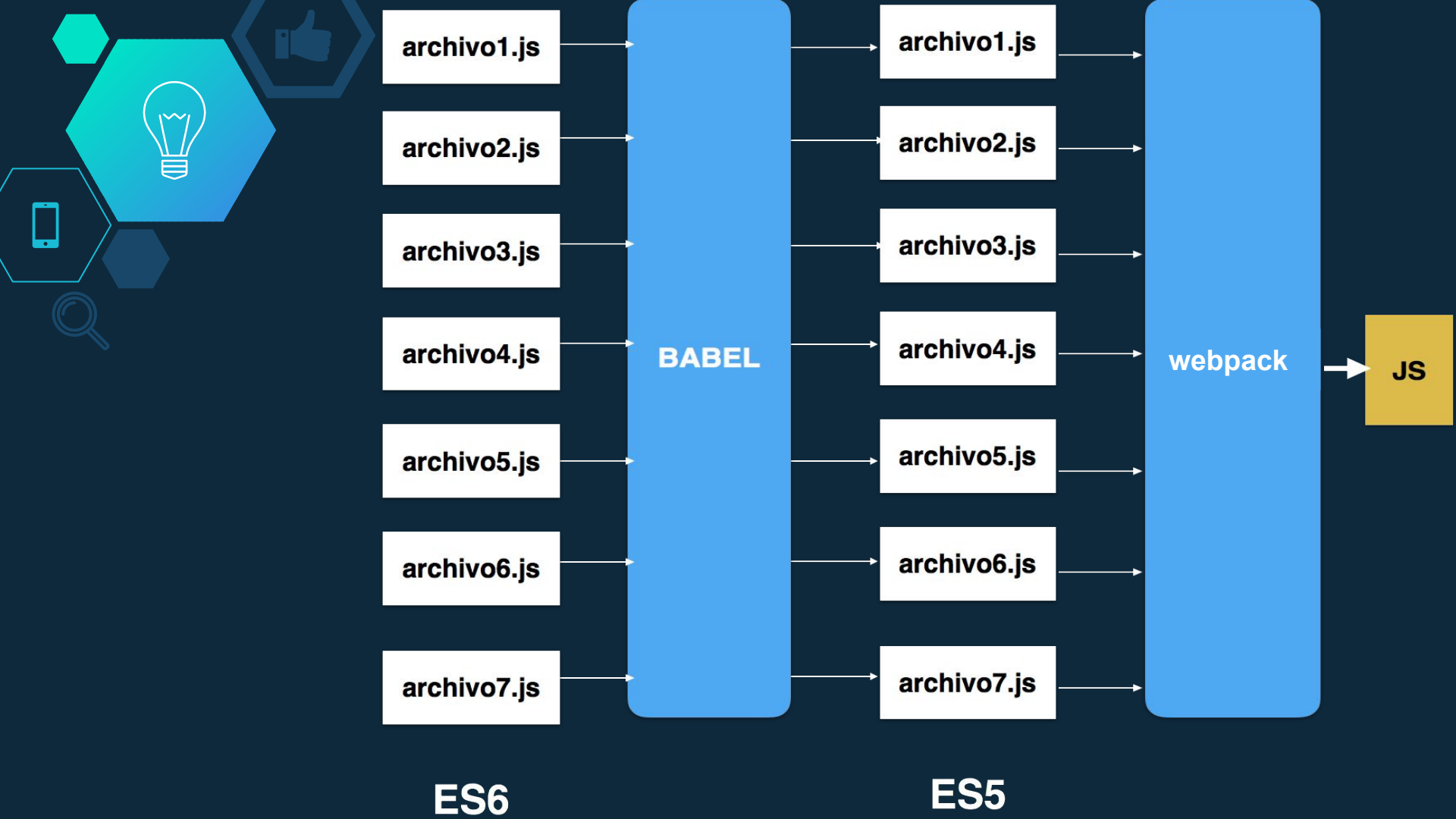


# Webpack

Webpack es un empaquetador de módulos, te permite generar **un** archivo único con todos aquellos módulos que necesitas.







# webpack.dev.js

```
const webpack      = require('webpack');
const WebpackNotifierPlugin = require('webpack-notifier');
const HtmlWebpackPlugin = require('html-webpack-plugin');
const autoprefixer   = require('autoprefixer');
```

```
const webpackConfig = {
  entry: {
    app: './app/index.js'
  },
  devServer: {
    contentBase: './public',
    historyApiFallback: true
  },
  output: {
    filename: 'app.bundle-[hash].js'
  },
  devtool: '#cheap-module-eval-source-map',
  module: {
    loaders: [
      { test: /\.jsx?$/, exclude: /node_modules/, loader: 'babel' },
      { test: /\.json$/, loader: 'json' },
      { test: /\.png$/, loader: 'file?mimetype=image/png' },
      // Treat node modules' css as global
      { test: /node_modules\/.*\.css$/, loaders: ['style', 'css'] },
      // The rest is local scoped css
      { test: /\.css$/, exclude: /node_modules/, loaders: ['style', 'css', 'postcss'] },
      { test: /\.scss$/, exclude: /node_modules/, loaders: ['style', 'css', 'postcss', 'sass'] },
      { test: /\.woff2?(\.?v=[0-9]\.[0-9]\.[0-9])?$/, loader: "file-loader?name=[name].[ext]?mimetype=application/font-woff"},
      { test: /\.ttf|eot|svg|(\.v=[0-9]\.[0-9]\.[0-9])?$/, loader: "file-loader?name=[name].[ext]" }
    ]
  },
  postcss: function () {
    ...
  }
}
```



# El proceso



BABEL

WEBPACK

JS





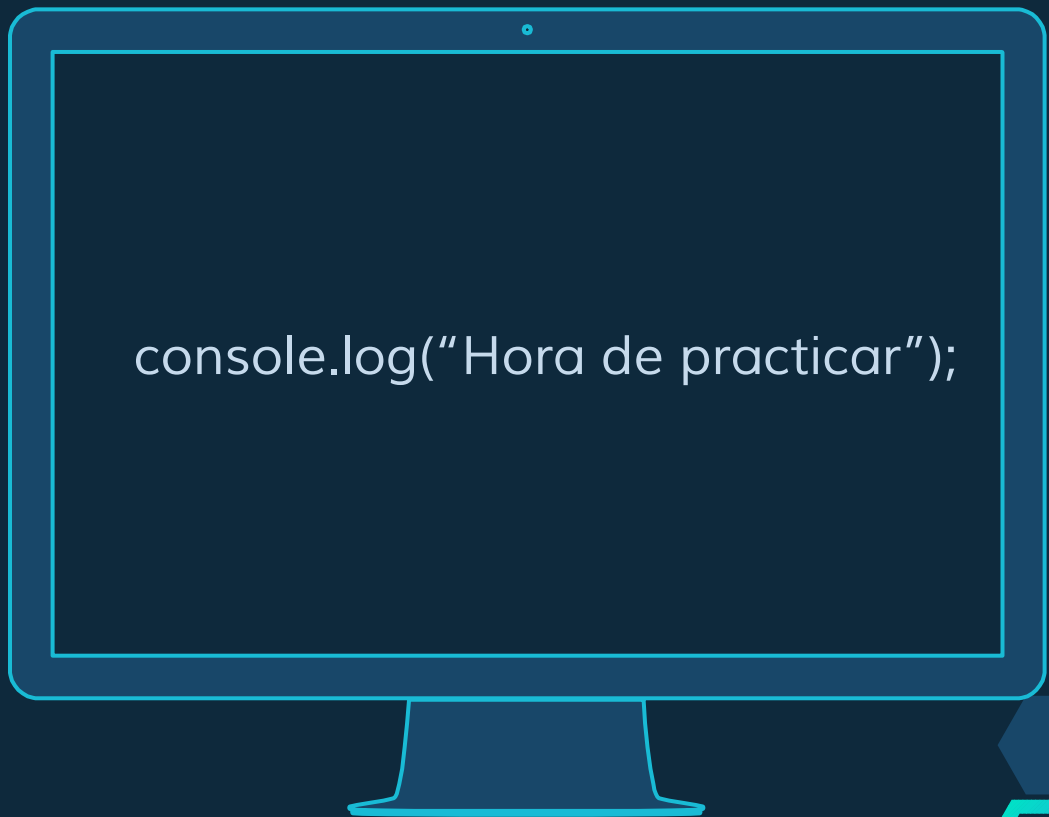
# Component

Son un estándar del W3C que nos permiten desglosar el desarrollo de aplicaciones web en pequeños contenedores reusables





¡A practicar!





# Gracias

## Preguntas?

