



React

material



github.com/fabiosn/ReactCrypto

setup



nodejs.org



webpack.js.org



git-scm.com

webpack

```
$npm install -g webpack //instalação global
```

```
$webpack source.js bundle.js //execução
```

primeiros passos

```
$npm init -y //inicia projeto npm
```

```
$npm install --save-dev webpack //instala localmente
```

```
$touch dist/index.html //cria página principal
```

```
$touch webpack.config.js //cria página principal
```

estrutura

webpack.config.js	//contém as configurações do pipeline
package.json	//contém lista de dependências e scripts
dist/	//contém os arquivos processados
-- index.html	
src/	//contém os arquivos fonte
-- main.js	

npm scripts

```
//package.json
```

```
"bundle": "webpack --config webpack.config.js"
```

```
"watch": "webpack --watch --color --progress"
```

```
"start": "webpack-dev-server --open"
```

webpack.config.js

```
1  const path = require("path");
2
3  module.exports = {
4    entry: "./src/main.js",
5    output: {
6      filename: "bundle.js",
7      path: path.resolve(__dirname, "dist")
8    },
```


dev-server

```
$npm i -D webpack-dev-server
```

```
1  const path = require("path");
2
3  module.exports = {
4    entry: "./src/main.js",
5    output: {
6      filename: "bundle.js",
7      path: path.resolve(__dirname, "dist")
8    },
9    devServer: {
10      contentBase: path.resolve(__dirname, "dist")
11    },
```

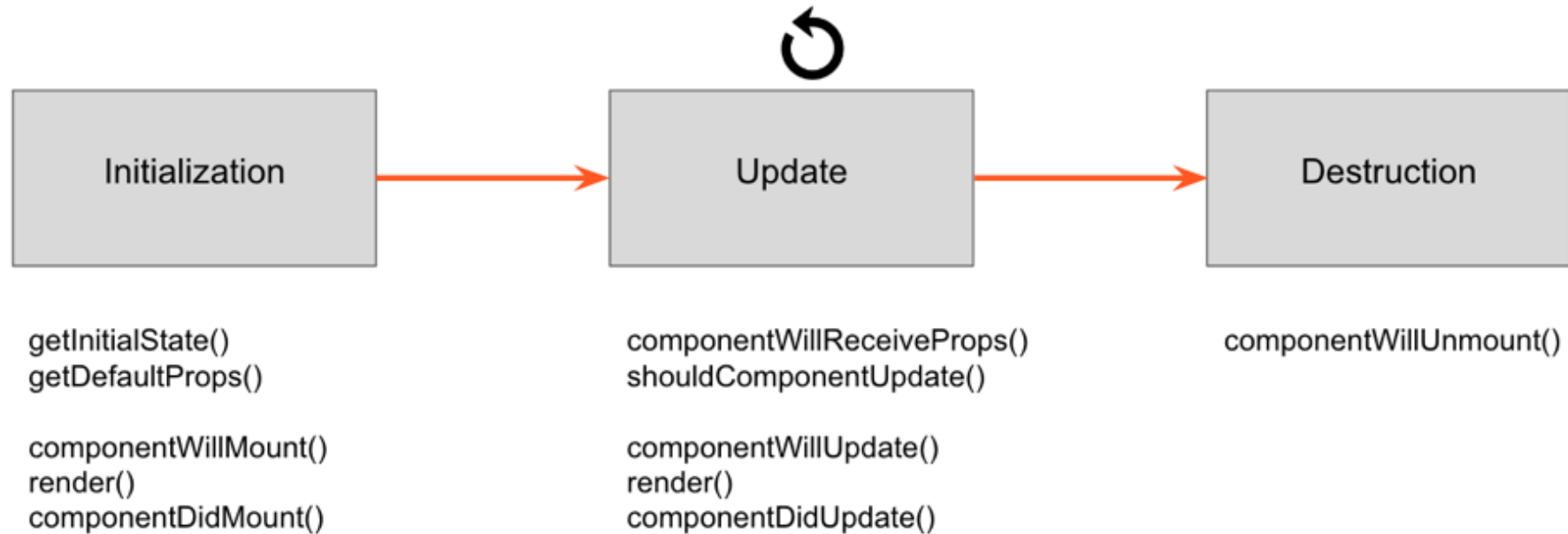
babel

```
$npm i -D babel-loader babel-core babel-preset-es2015 babel-preset-react
```

```
1  {  
2    "presets": ["es2015", "react"]  
3  }
```

```
1  const path = require("path");  
2  
3  module.exports = {  
4    entry: "./src/main.js",  
5    output: {  
6      filename: "bundle.js",  
7      path: path.resolve(__dirname, "dist")  
8    },  
9    devServer: {  
10     contentBase: path.resolve(__dirname, "dist")  
11   },  
12   module: {  
13     rules: [  
14       {  
15         test: /\.jsx$/,  
16         exclude: /node_modules/,  
17         loader: "babel-loader"  
18       }  
19     ]  
20   }  
21 };
```

Ciclo de vida dos componentes





state is used for internal
communication inside a Component



props are received from a parent component and are **read only**