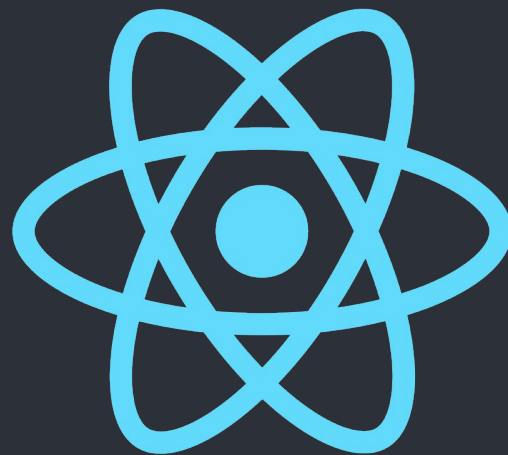


O que há de novo no React@16?



GDG





João Lavoier

Front-End Engineer na iClinic

Ciência da Computação

Trabalho na área há ~9 anos

Experiência com React mais de 2 anos

Contribuo para comunidade open-source quando preciso

Casado

Sou apaixonado por música

Toco violão e guitarra quando tenho tempo

O que é React?

React is a declarative, efficient, and flexible JavaScript library for building user interfaces.

Component-Based

React@16

Fiber

Reconciliation

- Pausar o trabalho e voltar depois
- Definir prioritariamente os diferentes tipos de trabalhos
- Reutilizar previamente os trabalhos completados
- Abortar trabalho se ele não for mais necessário

What is a fiber?

"Fibers are a much lower-level abstraction than application developers typically think about. If you find yourself frustrated in your attempts to understand it, don't feel discouraged."

Fragments

React@15

```
<div>  
  <li>Item 1 da lista</li>  
  <li>Item 2 da lista</li>  
</div>
```

```
<span>  
  <td>Coluna 1</td>  
  </td>Coluna 2</td>  
</span>
```

```
<span>Era pra ser somente uma string</span>
```

Novos tipos permitidos

Arrays

Strings

Numbers

Portals

React@16

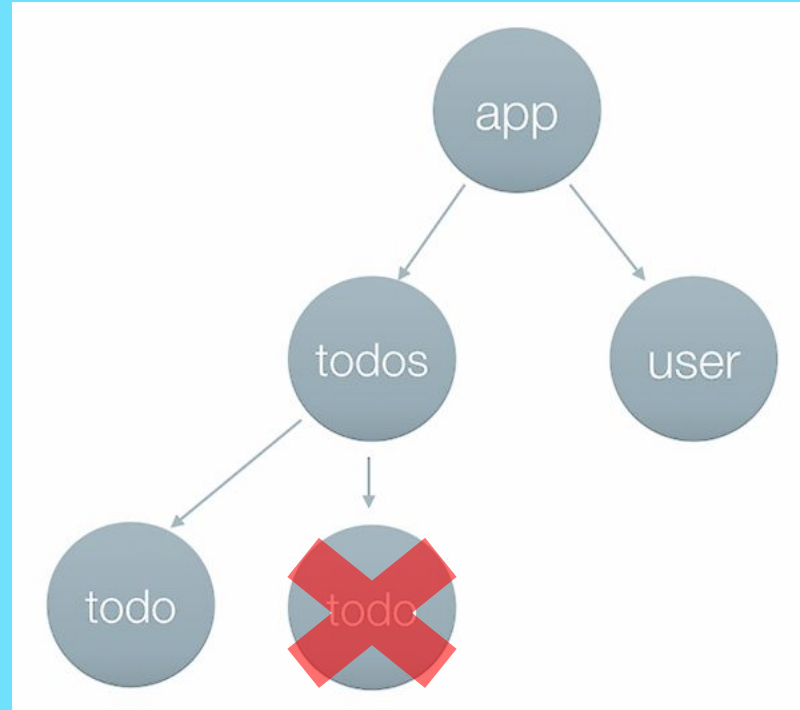
```
const OtherColumns = () => ([
  <td>Likes</td>,
  <td>Points</td>
]);
```

```
const OtherColumns = () => (
  <React.Fragment>
    <td>Likes</td>
    <td>Points</td>
  </React.Fragment>
);
```

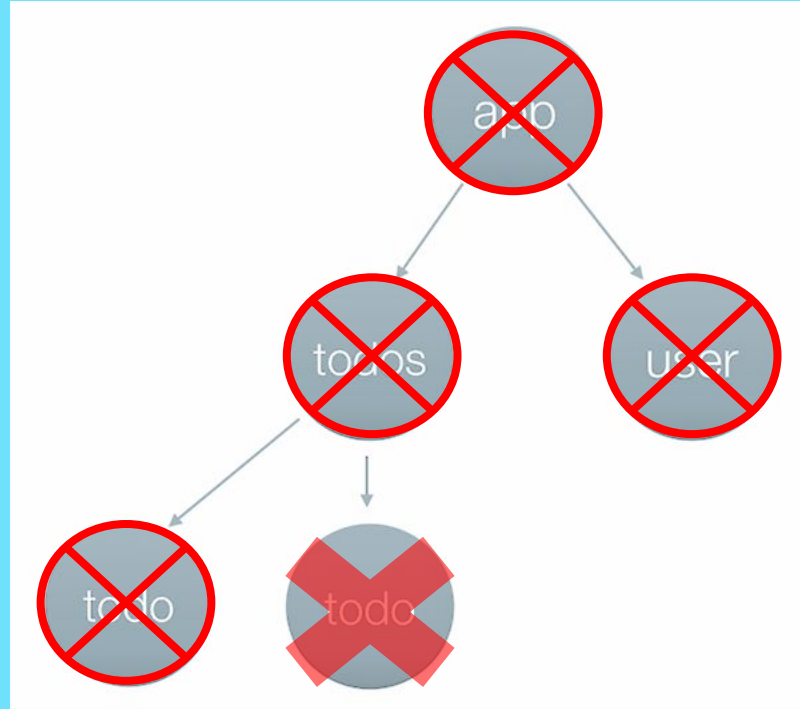
```
const Name = () => "João Lavoier" || 2018;
```

Error boundaries

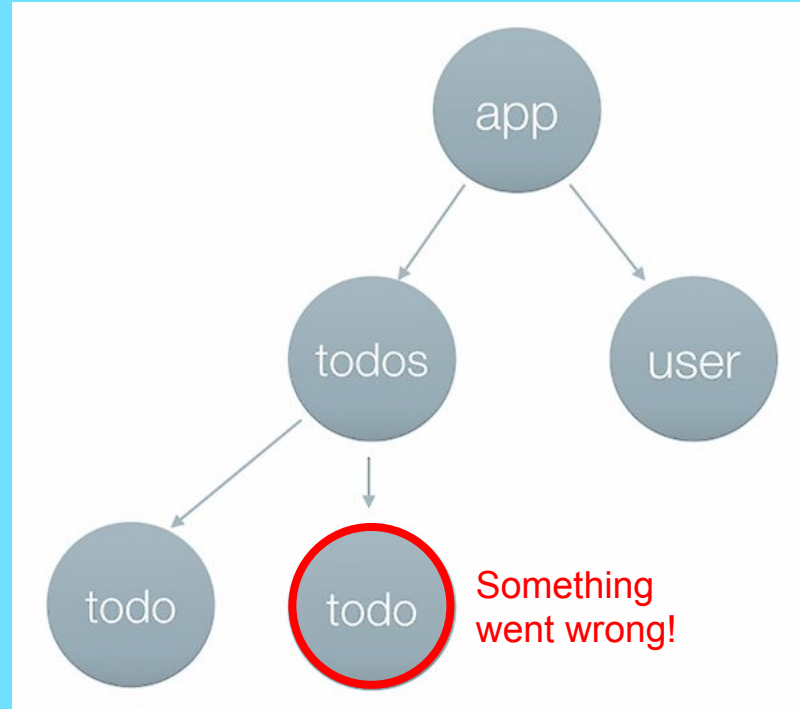
React@15



React@15



React@16



componentDidCatch(error, info)

Portals

Support for custom DOM Attributes

CODE?

Server-Side Rendering

Server-Side

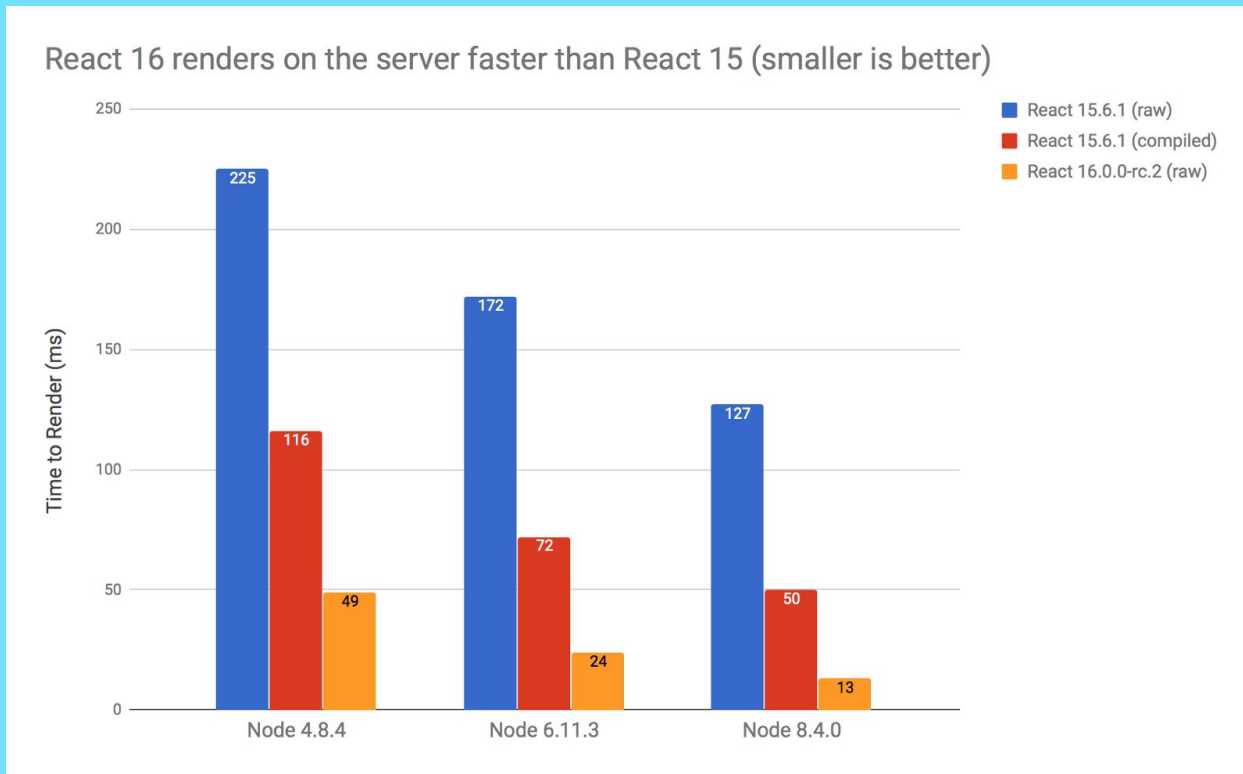
```
import { renderToString } from "react-dom/server";
```

Client-Side

```
import { render } from "react-dom";
```

```
import { hydrate } from "react-dom";
```


Fiber no Server-Side renderiza muito rápido



File Size

Muito mais leve

Pacotes	Tamanho React@15	Tamanho React@16
react	20.7 kb (6.9 kb gzipped)	5.3 kb (2.2 kb gzipped)
react-dom	141 kb (42.9 kb gzipped)	103.7 kb (32.6 kb gzipped)
react + react-dom	109 kb (34.8 kb gzipped)	161.7 kb (49.8 kb gzipped)



Obrigado!

Referências



@jmlavoier



@joao.lavoier

<https://reactjs.org/blog/2017/09/26/react-v16.0.html>

<https://github.com/acdlite/react-fiber-architecture>

<https://reactjs.org/blog/2017/09/26/react-v16.0.html>

<https://hackernoon.com/whats-new-with-server-side-rendering-in-react-16-9b0d78585d67>