



React JS

Facundo Goyena - 2019



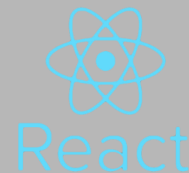
React JS

React is a JavaScript library for building user interfaces.

It is maintained by Facebook and a community of individual developers and companies.

reactjs.org

Tecnologías y herramientas



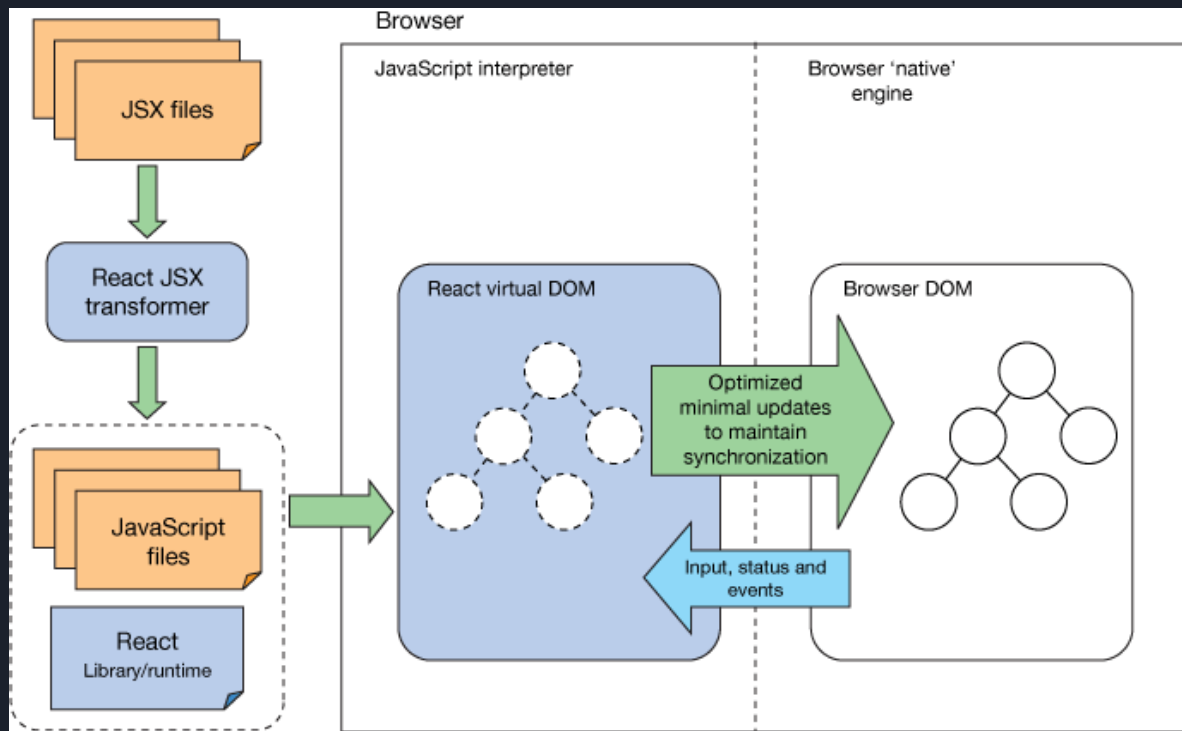


JSX

Extensión de Javascript que combina HTML con JS

```
const element = <h1>Hello, world!</h1>;
```

Funcionamiento





Componentes

Todo es un componente!

```
function Welcome(props) {  
  return <h1>Hello, {props.name}</h1>;  
}
```

```
class Welcome extends React.Component {  
  render() {  
    return <h1>Hello, {this.props.name}</h1>;  
  }  
}
```



Props

Propiedades pasadas por componentes de mayor jerarquía, solo son modificados por los “padres”

```
<Welcome name="World" />
```

```
<Welcome name={this.state.name} />
```



State

Guarda el estado del componente, solo puede ser modificado por el mismo

```
class Clock extends React.Component {
  constructor(props) {
    super(props);
    this.state = {
      date: new Date()
    };
  }

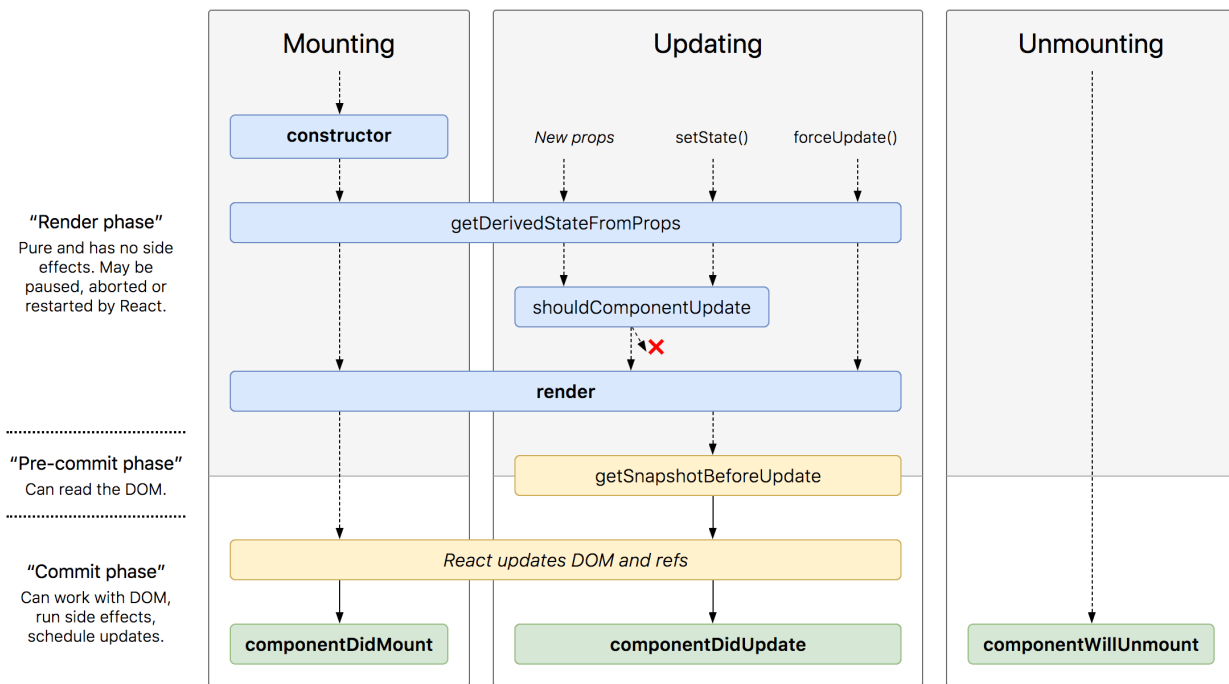
  componentDidMount() {
    this.timerID = setInterval( () => this.tick(), 1000 );
  }

  componentWillUnmount() {
    clearInterval(this.timerID);
  }

  tick() {
    this.setState({ date: new Date() });
  }

  render() {
    return (
      <div>
        <h1>Hello, world!</h1>
        <h2>It is {this.state.date.toLocaleTimeString()}.</h2>
      </div>
    );
  }
}
```


Lifecycle methods





Eventos

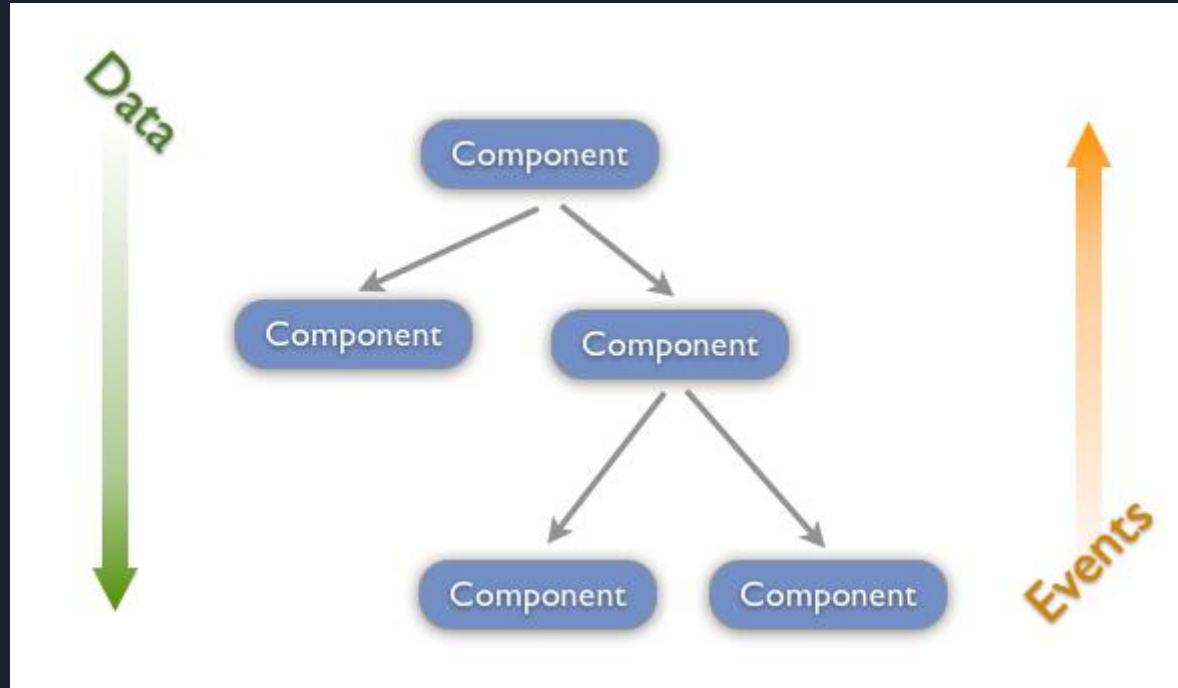
HTML

```
<button onclick="activateLasers()">  
  Activate Lasers  
</button>
```

React

```
<button onClick={activateLasers}>  
  Activate Lasers  
</button>
```

Componentes: Data/Event Flow



Componentes



Cabecera

Noticia

Noticias