# The future of React Cosmos

New look, features and more \_\_\_\_\_





DX tool for designing React components

• Render components in isolation

• Edit state and props with live feedback



### Then...





#### ...and now





#### **New features**

Scroll to selected fixture

• Filter components & fixtures

**DEMO!** 

Resizable editor

Enhance editor



# ReactDOM polyfill (I)

Tiny wrapper for ReactDOM

Provides full React 0.12 - 15 compatibility through a common interface

Makes your project available to large codebases that use old React versions

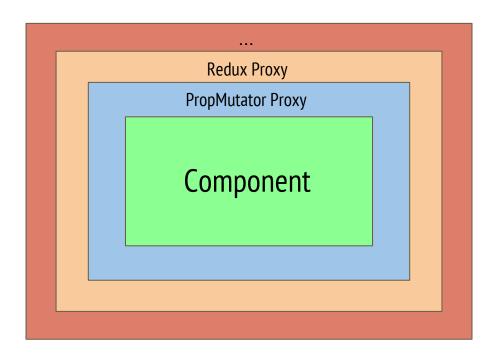


### ReactDOM polyfill (II)

```
module.exports = (React) => {
       const version = parseFloat(React.version);
       if (version >= 0.14) {
        // Let bundlers (e.g. webpack) know react-dom won't always be there
        try {
           return require('react-dom');
        } catch (e) {
           return null;
10
       } else {
12
        const { render, unmountComponentAtNode } = React;
13
         return {
          findDOMNode: (reactElement) => (
14
             typeof reactElement.getDOMNode === 'function' ?
15
               reactElement getDOMNode() : reactElement
16
           ).
17
18
           render,
           unmountComponentAtNode,
20
         };
```



# **Introducing proxies**





## A simple proxy example





**Background problem:** Cosmos couldn't render components that used state container frameworks (Flux/Redux).



**Solution:** *Redux proxy* 

Passes a fake store to the component via context.

Store state is defined in each fixture, so different components/fixtures can be provided with different stores.



### The first proxy (II)

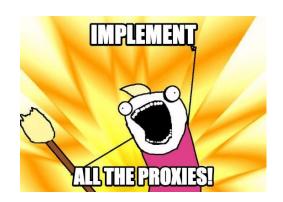
```
class ReduxProxy extends React.Component {
       constructor(fixture) {
        super();
        this.store = createStore((state) => state, fixture[storeKey]);
       getChildContext() {
        return {
           store: this store,
10
        };
12
       render() {
14
        const { type, props, ref } = this.props.children;
         return (
17
          <div>
             {React createElement(type, _ assign({}, _ omit(props, storeKey), { ref }))}
           </div>
         );
21
```





**Proxies are the future** 

- Split non-mandatory Cosmos logic to proxies
- Add more proxies to help users: Resize, Drag, Fixed size, ...
- Make Cosmos easier to integrate and setup
- The dream: 1 command to run Cosmos





# Help and feedback always welcome!

github.com/skidding/react-cosmos

github.com/bogdanjsx

Q & A

Thank you!