

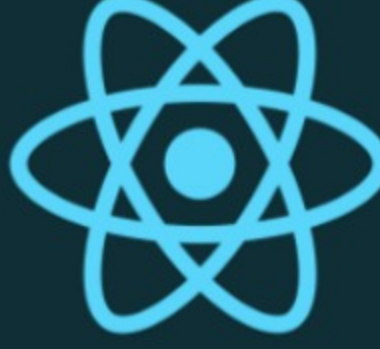
How to use React's Context API like a Redux Store



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Redux



React Context API

image src: <https://blog.bitsrc.io/react-context-api-a-replacement-for-redux-6e20790492b3>

So, before starting, let's first discuss WHY?

As you know, Context API saves us from things like Props Drilling and other similar sort of stuff but the things is, it does that but in some sort of odd way i.e. we have to include a function in between the `<AppContext.Consumer>` everytime we use it. As shown below

```
render() {  
  return (  
    <AppContext.Consumer>  
      ({ { loginUser } }) => {  
        return (  
          <div className="add-login-wrapper container">  
            {  
              // Some code here which makes use of loginUser function  
            }  
          </div>  
        );  
      }  
    </AppContext.Consumer>  
  );  
}
```

image courtesy: ecehub.in

I don't know about you but I really don't like it. So the question is how it can be improved ?

Here are the steps to do the same :

1. Read [this](#) post to make the Provider and Consumer available to your app
2. Then, make a file named **renderWithContext.js** (it can be located in a general purpose folder like utils or any other according to your preference. I have assumed that, it's in *utils* folder)
3. Now, the content of renderWithContext should look like this:

```
src ▸ utils ▸ JS renderWithContext.js ▸ connect  
1  import React from "react";  
2  
3  export const connect = Component => {  
4    return AppContext => {  
5      return props => {  
6        return (  
7          <AppContext.Consumer>  
8            {context => <Component {...context} {...props} />}  
9          </AppContext.Consumer>  
10         );  
11       };  
12     };  
13   };  
14
```

image courtesy: ecehub.in

Here, connect is basically a HOC which accepts a Component which will act as consumer and as a second argument, it will accept the AppContext and then just return another function.

Now, you might be thinking where do the **props** in the third function input parameter come from.

Actually, they are passed by react or any other library like react-router automatically when a component is rendered using the routes.

Now, how to use this :

1. Open the component which you want to access the contextAPI
2. Then, do something like this:

```
src ▸ components ▸ Dashboard ▸ Dashboard.react.jsx ▸ ...  
1  import React from "react";  
2  
3  
4  import AppContext from "../../AppProvider/AppContext";  
5  import { connect } from "../../utils/renderWithContext";  
6  
7  import "./Dashboard.style.scss";  
8  
9  class Dashboard extends React.Component {  
10  
11  
12    render() {  
13      return (  
14        <div className="dashboard-wrapper container-fluid">  
15          {  
16            // Something to be rendered  
17          }  
18        </div>  
19      );  
20    }  
21  }  
22  
23  
24  export default connect(Dashboard)(AppContext);  
25  
26
```

image courtesy: ecehub.in

Here, as per the architecture of **connect** function, we have passed first, the Component which will make use of ContextAPI, and then the App's context.


AppContext is a parameter here because, the app could have multiple context so, in order to make the connect fully customisable, the context is included as a second parameter.

One more thing, to access the whole project, check it out on github:

Avchhikara/add-article

Contribute to Avchhikara/add-article development by creating an account on GitHub.

github.com



Any suggestion or contribution to the project is highly appreciated!!

Thanks for reading.

Connect to me on [LinkedIn](#) , [Twitter](#) for any discussion.

React Redux Contextapi Appcontext Appprovider



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