

Connect Data-Layer to View-Layer: Introducing React Apollo

An introduction to the ApolloProvider component to connect data-layer to view-layer.

WE'LL COVER THE FOLLOWING ^

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All we've done thus far has been the **framework agnostic** part of Apollo Client. However, without connecting React to it, we'd have a hard time making effective use of GraphQL. That's why there is an official library to connect both worlds: [react-apollo](#).

The great thing about those connecting libraries is that there are solutions for other view-layer solutions like *Angular* and *Vue*, too, so you can use the Apollo Client in a framework agnostic way.

After we have installed the library, we import **ApolloProvider** component from the library and use it as a composing component around our `App` component in the `src/index.js` file. Under the hood, it uses [React's Context API](#) to pass the Apollo Client through your application.

Environment Variables ^

Key:	Value:
REACT_APP_GITHUB...	Not Specified...
GITHUB_PERSONAL...	Not Specified...

```
import React from 'react';
import ReactDOM from 'react-dom';
import { ApolloProvider } from 'react-apollo';
import { ApolloClient } from 'apollo-client';
import { HttpLink } from 'apollo-link-http';
import { InMemoryCache } from 'apollo-cache-inmemory';
```



...

```
ReactDOM.render(  
  <ApolloProvider client={client}>  
    <App />  
  </ApolloProvider>,  
  document.getElementById('root')  
);
```

src/index.js

Now we have implicit access to the Apollo Client in our React view-layer. It says implicit because most often we will not use the client explicitly. You will see in the next lesson what this means. Run the application below to see if everything is running fine up till now:

Environment Variables



Key:

Value:

REACT_APP_GITHUB...

Not Specified...

GITHUB_PERSONAL...

Not Specified...

```
import React from 'react';  
  
import Link from '../..//Link';  
  
import './style.css';  
  
const Footer = () => (  
  <div className="Footer">  
    <div>  
      <small>  
        <span className="Footer-text">Built by</span>{' '  
        <Link  
          className="Footer-link"  
          href="https://www.robinwieruch.de"  
        >  
          Robin Wieruch  
        </Link>{' '  
        <span className="Footer-text">with &hearts;</span>  
      </small>  
    </div>  
    <div>  
      <small>  
        <span className="Footer-text">  
          Interested in GraphQL, Apollo and React?  
        </span>{' '  
        <Link  
          className="Footer-link"  
          href="https://www.getrevue.co/profile/rwieruch"  
        >  
          Get updates  
        </Link>{' '  
      </small>  
    </div>  
  </div>  
)
```

```
    <span className="Footer-text">
      about upcoming articles, books &
    </span>{' '}

    <Link className="Footer-link" href="https://roadtoreact.com">
      courses
    </Link>
    <span className="Footer-text">.</span>
  </small>
</div>
</div>
);

export default Footer;
```

Exercise

1. Confirm your [source code for the last section](#).

Reading Task

1. Read more about [configuring and connecting Apollo Client to React](#)