

React

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React - Optimize Performance

Case 1 - Preventing Wasted Renders with Complex Props

Create new object reference before delete a key.

[new-object-reference-before-delete.png](#)

Class

[class.png](#)

Function

[function1.png](#)

[function2.png](#)

Case 2 - Preventing Wasted Renders in a Simple Component

Class

[pure.png](#)

Function

Before

[before.png](#)

[useCallback.png](#)

After

[after.png](#)

Caching Expensive Operation Results

[usememo.png](#) und or type unknown

Lazy Loading Components

[lazy1.png](#) und or type unknown

Component:

[lazy2.png](#) und or type unknown

Fallback:

[lazy3.png](#) und or type unknown

[lazy4.png](#) und or type unknown

React - Testing

[1.png](#) Image not found or type unknown

[2.png](#) Image not found or type unknown

[3.png](#) Image not found or type unknown

[4.png](#) Image not found or type unknown

React - HOC (Higher Order Component)

```
import React, {ReactElement} from 'react';

const withAds = (Component: React.ComponentType) => {
  return (props): ReactElement => {

    // Write logic here.....

    return <Component {...props} />;
  };
};

export default withAds;
```