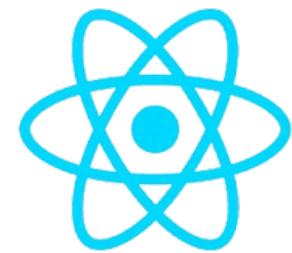


The game changing features of

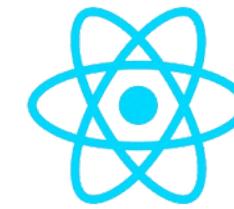


REACT 19

At a glance

Samiul Islam

THE COMPILER

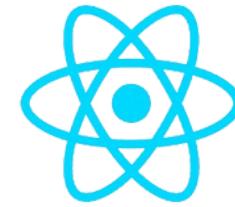


This tool changes **React** code **into** regular **JavaScript**, making things run up to **twice** as fast.

It will replace or reduce the unnecessary re-renders and usage of the **useMemo**, **useCallback**, and **memo** APIs to memoize. It is said to be enabled **automatic** memoization for **reducing re-rendering**

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ACTIONS



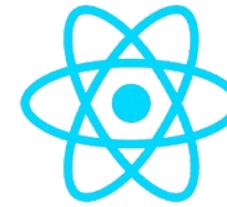
Actions allow you to **pass a function to DOM elements** such as **<form/>** for handling **form interactions** on your website.

Update page information **seamlessly** when users fill out forms simplifying the user experience.

So, now submission, **loading states, error handling** for forms **becomes** much **easier**. And there might be way more to it.

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SERVER COMPONENTS

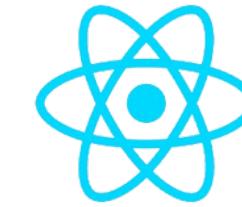


These components **do** their **job on the server before sending** the finished **page** to the **user**. This means your **website** loads **quicker**, is **better** for **SEO**, and **handles** data more **smoothly**.

It gives “**use server**” and “**use client**” derivatives which are **similar** features like we use in **NEXTJS**

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ASSET LOADING

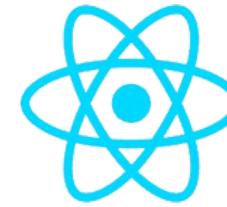


React is considering **adding APIs to preload** and load **external assets seamlessly** across environments, with support for **Suspense** to **prevent layout shifts** during **loading**.

In other words react lets you preload external stuff with Suspense, so your layout stays smooth during loading

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DOCUMENT METADATA

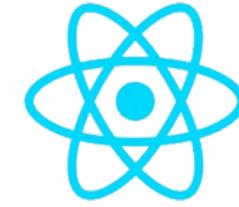


Adding **built-in support for rendering metadata** like **<title>**, **<meta>**, and **<link>** tags **anywhere** in your **component** tree.

This **makes** it universally **compatible** across **client-side**, **server-side rendering**, and future Streaming Server Renderer.

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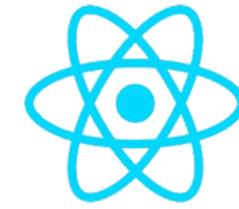
WEB COMPONENTS INTEGRATION



Flexible element mixing React now seamlessly **works with Web Components**, making it **easier to mix** and **match** website **elements** for more **flexibility**.

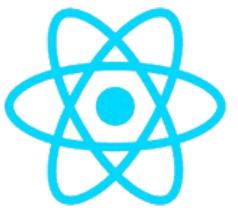
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ENHANCED HOOKS



React 19 **enhances Hooks for better control** over code **execution** and **updates**, resulting in a **smoother** website **experience** and **simpler** coding.

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**For more details and other features
please visit their official doc.**

react.dev/blog/

Save or share if found informative

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