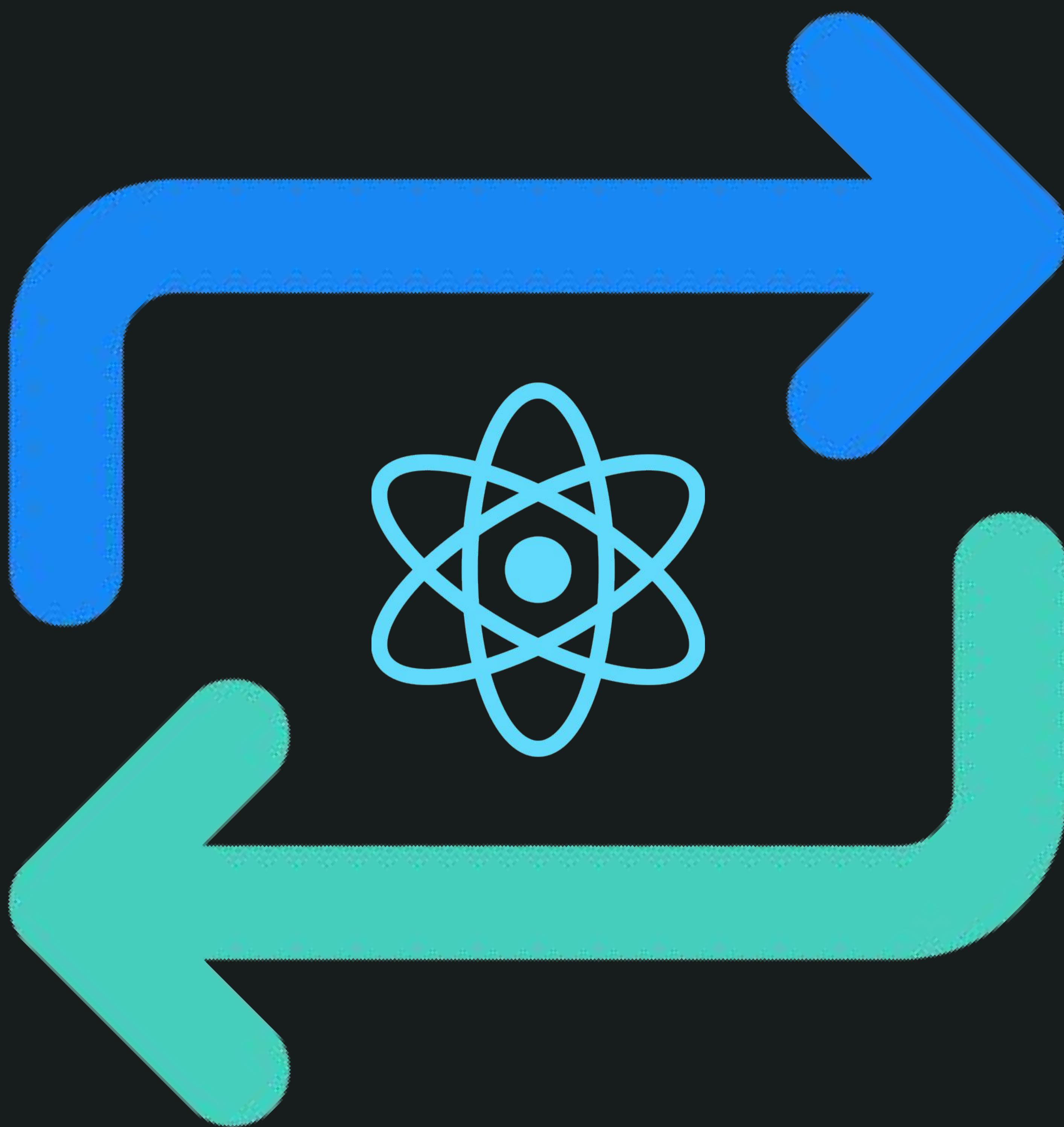


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Reconciliation IN REACT



Reconciliation

Ever wonder how React keeps your web app **lightning fast**, even with constant changes?

It's not magic, but a masterclass in efficiency called **reconciliation**.

Reconciling ensures that changes in the **virtual representation** of components are seamlessly **reflected in the DOM**.

React **reconciles virtual components** and ensuring you a fluid user experience.



Reconciling helps developers grasp the inner workings of React **efficient rendering process**, elevating their ability to craft dynamic and responsive interfaces.

Reconciliation ensures your React app stays **smooth & responsive**, even with updates.

It's the **silent hero** behind the scenes, keeping your UI a well-oiled machine & **save** it from **slow performance**.

It Fix

The Messy DOM

↳ The DOM is the behind-the-scenes **structure** of your web page. Think of it as your cluttered apartment updating it directly can be a chore.

The Virtual Savior

↳ Enter the virtual DOM, a **lightweight**, in-memory copy of your messy apartment. It's like a blueprint – easy to modify without the physical hassle.

The Change Detect

↳ React, with its eagle eyes, **spots the change**. It creates a brand new, pristine virtual DOM reflecting the update.

Diffing

↳ Like a detective comparing fingerprints, React meticulously **compares** the new virtual DOM with the old one. It figures out exactly what's different.

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Minimal Updates

↳ React, the ultimate strategist, crafts the most efficient plan to update the real DOM.

Only the **parts** that **truly changed** get a **makeover**, leaving the **rest untouched**.

Imagine cleaning only the spilled juice in your apartment, not the entire place!

RESULT

↳ A Blazing **Fast UI**.



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