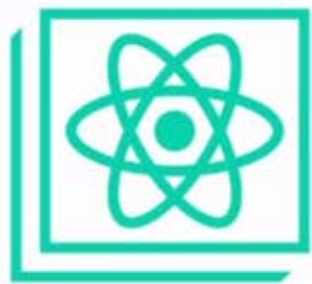




Press Esc to exit full screen



Vite vs CRA



Create React App



Vite

Front-end tools in the ecosystem



what is create react app?



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বাংলা



In English

Create React App is a comfortable environment for learning React, and is the best way to start building a new single-page application in React. It sets up your development environment so that you can use the latest JavaScript features, provides a nice developer experience, and optimizes your app for production.



React

<https://reactjs.org/docs/create-a-new-react-app>

Create a New React App



what is vite



Educative.io

<https://www.educative.io> › answers › what-is-vitejs

What is Vite.js? - Educative.io

Vite.js is a development tool that comes with a dev server and is used for modern web applications. It offers a faster and smoother workflow in terms of ...



SitePoint

<https://www.sitepoint.com> › Blog › JavaScript

What is Vitejs? An Overview of the New Front-end Build Tool

Apr 19, 2021 — Vite is a build tool that significantly improves the front-end development experience. You can use Vite to set up a development environment ...

Vite ->

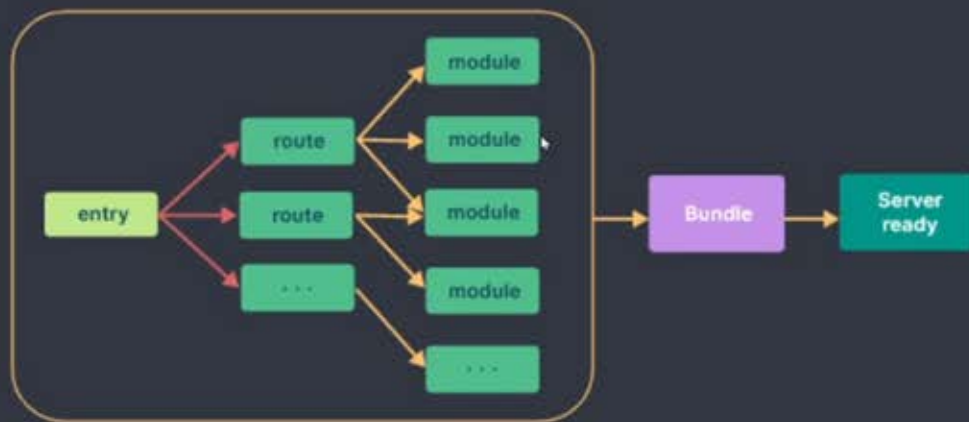
- Created by Evan You
- Written in Go language
- Pre-bundles dependencies using esbuild
- 10 to 100 times faster than JavaScript-based bundlers
- Platform-agnostic: it can develop JS and TS apps with support for React, Svelte, Preact, and vanilla JS

CRA in development - >

- Webpack is used as the entry point (index.js file) and creates a tree from all the modules in the project
- Transpiles the code with Babel
- Bundles the code together
- Serves it with the Express web server
- Sets up sockets that will handle hot module replacement

CRA in development

Bundle based dev server



A Significant Drawback of CRA

=====

Webpack repeats the bundling process every time there is a change in the code. Now think about the performance in large or complex project !!!

A Significant Advantage of Vite

=====

- Doesn't rebuild and reload the entire page like CRA
- Uses route-based code-splitting & determines which part of the code needs to be loaded
- Uses the browser to parse the native ES modules from the app's entry point

Why Use Vite???

- Superior performance
- Extensive plugin compatibility
- Faster updates
-  Faster build time

Why are we learning CRA?

Although Vite is a newer and more advanced tool for building React projects, learning how to use Create React App (CRA) can still be valuable for a few reasons:

- Firstly, many companies and projects still use CRA, so being familiar with it can be useful in terms of collaborating with other developers and working on existing projects.
- Secondly, by learning how to manually set up and configure a project, you can gain a better understanding of the underlying build tools and how they work.
- Lastly, the skills you learn from using CRA, such as setting up a development environment and managing dependencies, can be applied to a wide range of front-end development projects.

— — — FAQ — — —

React এর documentation এ তো CRA
(create-react-app) is not suggested anymore.
তাহলে react project কীভাবে তৈরি করব?

-> Vite দিয়ে করব।

আমরা কি React framework NextJS use করব এখন থেকে Mern stack এর জন্য?

-> No, আমরা basic react ই শিখবো।

React না শিখে এর কোনও framework শিখলেই তো
হয়ে যায় না?

-> A, B, C, D.. না শিখলে sentence বানাতে পারবে শুরুতেই? তাহলে
React না শিখলে কীভাবে React এর framework শিখবে?

আগের কোন প্রোজেক্ট CRA এ করা থাকলে কি করব?

-> চাইলে CRA তে রেখে দিতে পারো / CRA to Vite এ migrate করে ফেলতে পারো। সময়, সুযোগ হলে সামনে দেখিয়ে দিব।

তাহলে CRA কি পুরোপুরি banned?

-> No!!! তুমি CRA দিয়ে project তৈরি করলে সেটা ও কাজ করবে।
সমস্যা নেই।

তাহলে React doc কেন CRA suggest করছে না?

-> করছে না বলতে mainly, CRA তে যা যা gap ছিল সেগুলো react এর framework এ কিছু আছে সেটা বলেছে, Suppose, react-router আলাদা install না করে react এর framework এ অটোমেটিক পাওয়া যাবে।

← → ↻ <https://react.dev/learn/start-a-new-react-project> 📄 ☆ 🛡

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GET STARTED

Installation ▾

- Start a New React Project
- Add React to an Existing Project
- Editor Setup
- React Developer Tools

LEARN REACT > INSTALLATION >

Start a New React Project

If you want to build a new app or a new website fully with React, we recommend picking one of the React-powered frameworks popular in the community. Frameworks provide features that most apps and sites eventually need, including routing, data fetching, and generating HTML.



Thank you!