09

Manually Create with Vite

Limitations of react-scripts

👉 Webpack Build Process:

  - Parses entire dependency graph

  - Slow for development and production

👉 Outdated Dependencies:

  - Parses entire dependency graph

  - Has not updated for a long time

What is Vite?

👉 Definition:

- Modern build tool leveraging native ES modules

- Simplified configuration

👉 Comparison:

- **Vite** ≈ react-scripts

- **Create Vite** ≈ Create React App

Why Learn Manual Setup？

👉 Benefits:

- Understand project structure

- Learn configurations and flexibility

- Create streamlined and lightweight projects

Vite Manual Setup

Step 1: Create folders and files:

- index.html in the root directory
- Entry file: main.jsx (not index.js)

Step 2: Initialize project with npm init -y

Step 3: Install dependencies:

- npm i react react-dom
- npm i -D vite

Step 4: Install and Configure React Plugin:

- Install: npm I –D @vitejs/plugin-react
- Configure in vite.config.js

Step 5: Writing the Code:

- Import React manually if JSX is used

Step 6: Run Project:

- npx vite

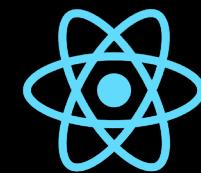**Commonly Used Commands**

dev: Starts Vite's development server
- npm run dev

build: Generates production-ready code
- npm run build

preview: Previews the production version locally
- npm run preview

Thanks for watching

React 19 Full Course