Data Fetchinig

Master API *Data Fetching* Like a Pro!

Whether you're building with **React**, **Next.js**, **React Native**, **Angular**, **or Vue**, we've got the perfect tools and strategies to supercharge your data layer.

FOR REACT

🔗 Best library: TanStack Query

1. 🔭 **fetch** API: Simple, native, no dependencies
2. 🛰️ **axios**: Easy syntax, supports interceptors & base URLs
3. 🧲 **TanStack React Query**: Powerful caching, pagination, retry, background sync
4. 🫧 **SWR** (by Vercel): Stale-while-revalidate, auto-fetch on focus

🪁 **Best Use**: Dynamic UIs, dashboards, real-time apps

FOR NEXT.JS

🔗 Best combo

getStaticProps + SWR or React Query

1. 🧬 **getServerSideProps**: SSR, fetch on every request
2. 🪞 **getStaticProps**: SSG, builds at compile time
3. 🪜 **Client-side Fetching**: Using fetch or axios in useEffect
4. 👏 **SWR**: Lightweight client fetching with cache + auto updates
5. 🚢 **React Query**: Full data layer control in large apps

🪞 **Best Use**: SEO-focused pages, hybrid rendering

FOR REACT NATIVE

🔗 Best combo : Axios + React Query

1. 🧃 **fetch**: Native to RN, works out of the box
2. 🛢️ **axios**: Cleaner API, handles timeouts, headers, etc.
3. 🧭 **React Query**: Offline caching, retry, background updates
4. 🧼 **REST or GraphQL Compatible**: Easy to hook into any API

🐘 **Best Use**: Mobile apps needing state sync with APIs

FOR ANGULAR

🔗 Best combo

HttpClient + RxJS + NgRx (if needed)

1. 🧫 **HttpClientModule**: Angular’s built-in HTTP tool
2. 🫀 **Observables + RxJS**: Reactive, cancellable, composable
3. 🧯 **Interceptors**: Modify requests globally (e.g., auth headers)
4. 🪐 **NgRx/Signal Store**: State management with effects
5. 🔍 **Async Pipe**: Automatically subscribe/unsubscribe

🧩 **Best Use**: Enterprise-scale apps with RxJS streams

FOR VUE.JS / NUXT

🔗 **Best combo**

Axios + TanStack Vue Query or Nuxt features

1. 🧃 **axios**: Most common, easy to use
2. 🦒 **@tanstack/vue-query**: Caching, stale revalidation, loading states
3. 🪁 **Composition API**: Clean integration with async/await
4. 🐚 **Nuxt asyncData / fetch**: Server-side data fetching built-in
5. 🫙 **Pinia + Axios:** Lightweight alternative to Vuex

🧵 **Best Use:** SPAs, SSR apps with dynamic content

Summary

What to pick?

Framework/Library	Recommended Methods
React	fetch, axios, react-query, SWR
Next.js	getServerSideProps, getStaticProps, SWR, axios
React Native	axios, fetch, react-query
Angular	Angular HttpClient, RxJS, NgRx
Vue	axios, @tanstack/vue-query, Nuxt features

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