




a





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Anthony's Roads to Open Source ^{1/n}

The Set Theory



REACT PARIS

Mar. 22nd, 2024

Consider your Target Users

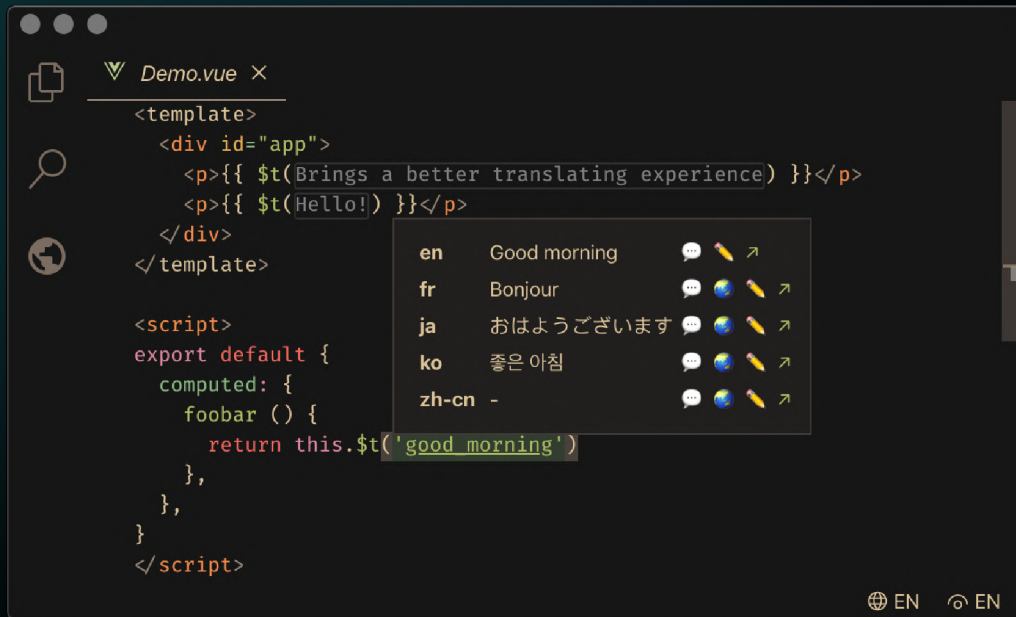


For example

My First Open Source Project ²⁰¹⁹

`antfu/vscode-vue-i18n-ally`



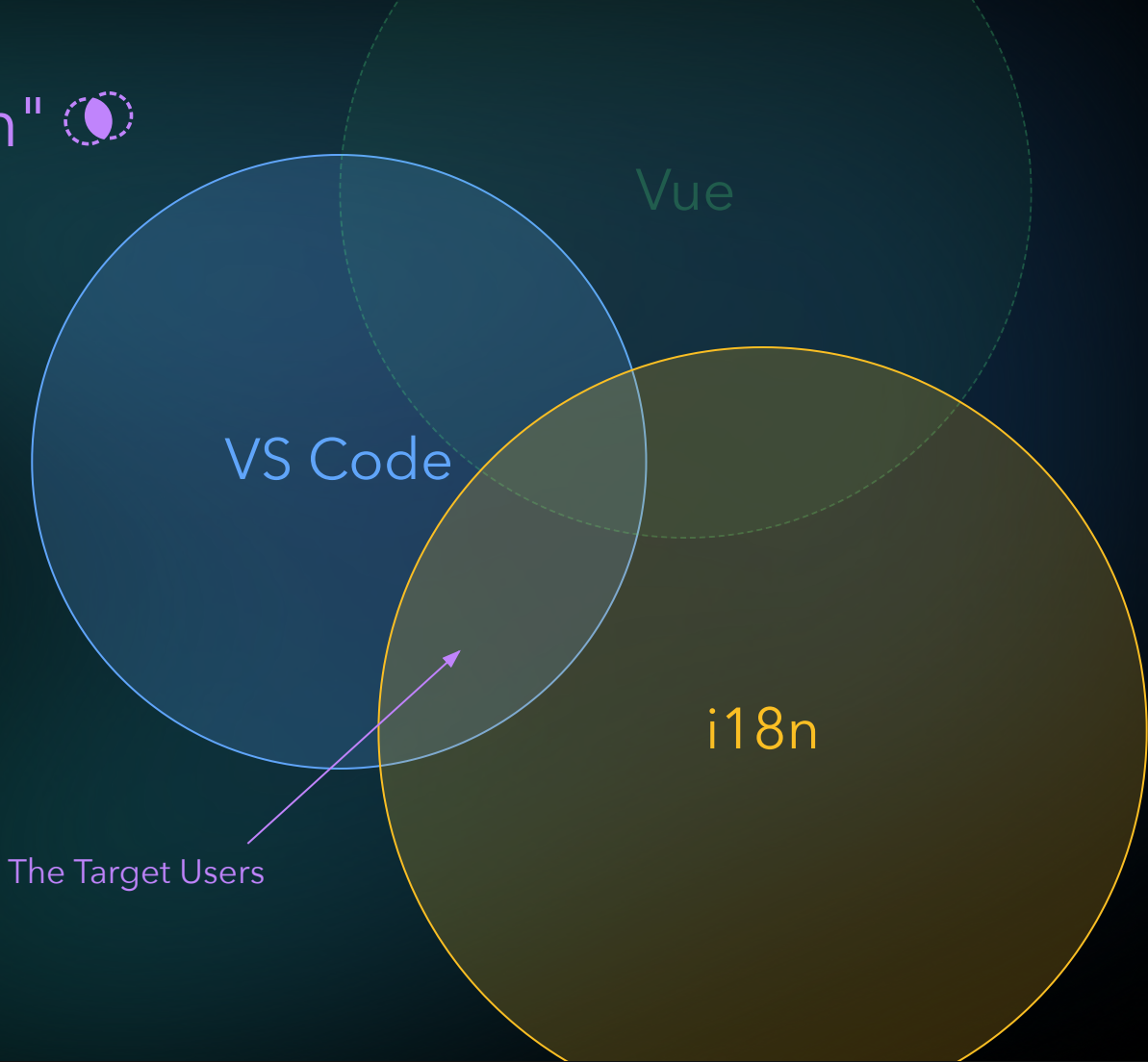


The "Set Intersection"

The project:

`vscode-vue-i18n-ally`

- Break the set circles
- Expand the intersection





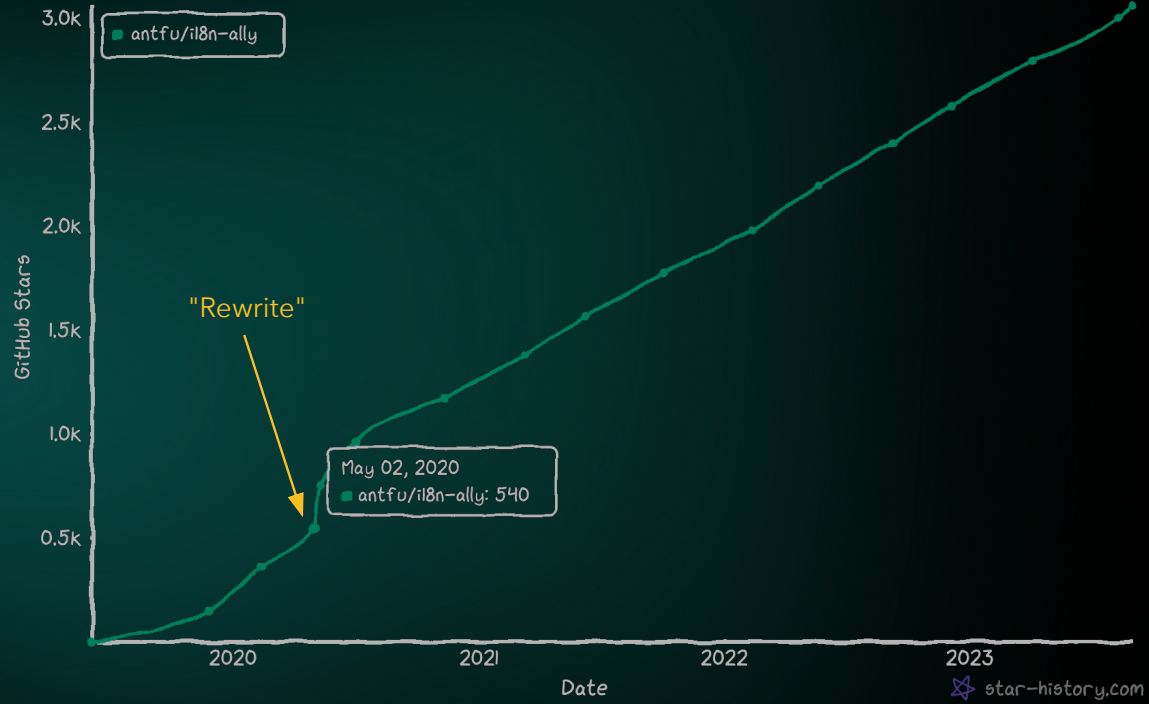
Vue i18n Ally

i18n Ally

Supported Frameworks



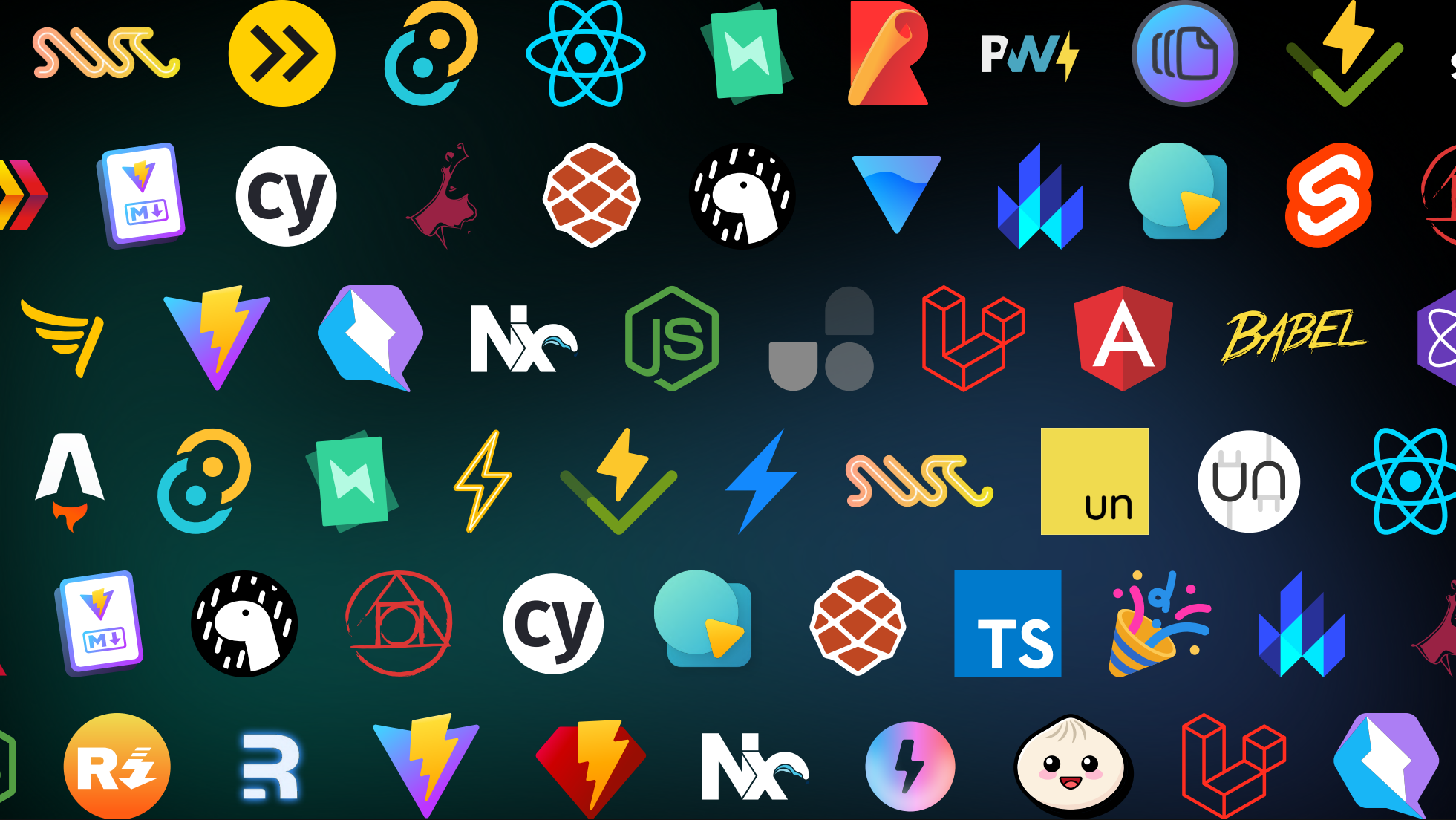
Star History





~~Opinionated Vue Tooling~~

Framework-agnostic Front-end Tooling





React Query



Vue Query



TanStack Query

TanStack Query v5

Q Search

FRAMEWORK

VERSION

React

Latest

React

Solid

Vue

Svelte

Angular



TanStack

High-quality open-source software for web developers.

Headless, type-safe, & powerful utilities for State Management, Routing, Data Visualization, Charts, Tables, and more.

Open Source Libraries

TanStack Query

Powerful asynchronous state management, server-state utilities and data fetching

Fetch, cache, update, and wrangle all forms of async data in your TS/JS, React, Vue, Solid, Svelte & Angular applications all without touching any "global state".

TanStack Table

Headless UI for building powerful tables & datagrids

Supercharge your tables or build a datagrid from scratch for TS/JS, React, Vue, Solid & Svelte while retaining 100% control over markup and styles.

TanStack Router

Type-safe Routing for React applications.

Powerful routing for your React applications including a fully type-safe API and first-class search-param for managing state in the URL.

TanStack Virtual

Headless UI for Virtualizing Large Element Lists

Virtualize only the visible content for massive scrollable DOM nodes at 60FPS in TS/JS, React, Vue, Solid & Svelte while retaining 100% control over markup and styles.

TanStack Form

NEW

Headless UI for building performant and type-safe forms

Headless, performant, and type-safe form state management for TS/JS, React, Solid, Vue, and Lit

React Charts

Simple, immersive & interactive charts for React

Flexible, declarative, and highly configurable charts designed to pragmatically display dynamic data.

TanStack Ranger

NEW

Headless range and multi-range slider utilities.

React ranger supplies the primitive range and multi-range slider logic as a headless API that can be attached to any styles or markup for that perfect design.

TanStack Store

NEW

Framework agnostic data store with reactive framework adapters

The core data store that powers TanStack libraries and their framework adapters. Use it if you dare.

TanStack Config

NEW

Configuration and tools for publishing and maintaining high-quality JavaScript packages

The build and publish utilities used by our other projects. Use it if you dare.

Benefits of being Universal

- Larger user base
- More contributors working together
- Less fragmentation and maintenance cost
- Better abstraction and architecture
- Benefit the whole ecosystem

BUT!

Specific is Not a Bad Thing

Deployment



Bundle Tools

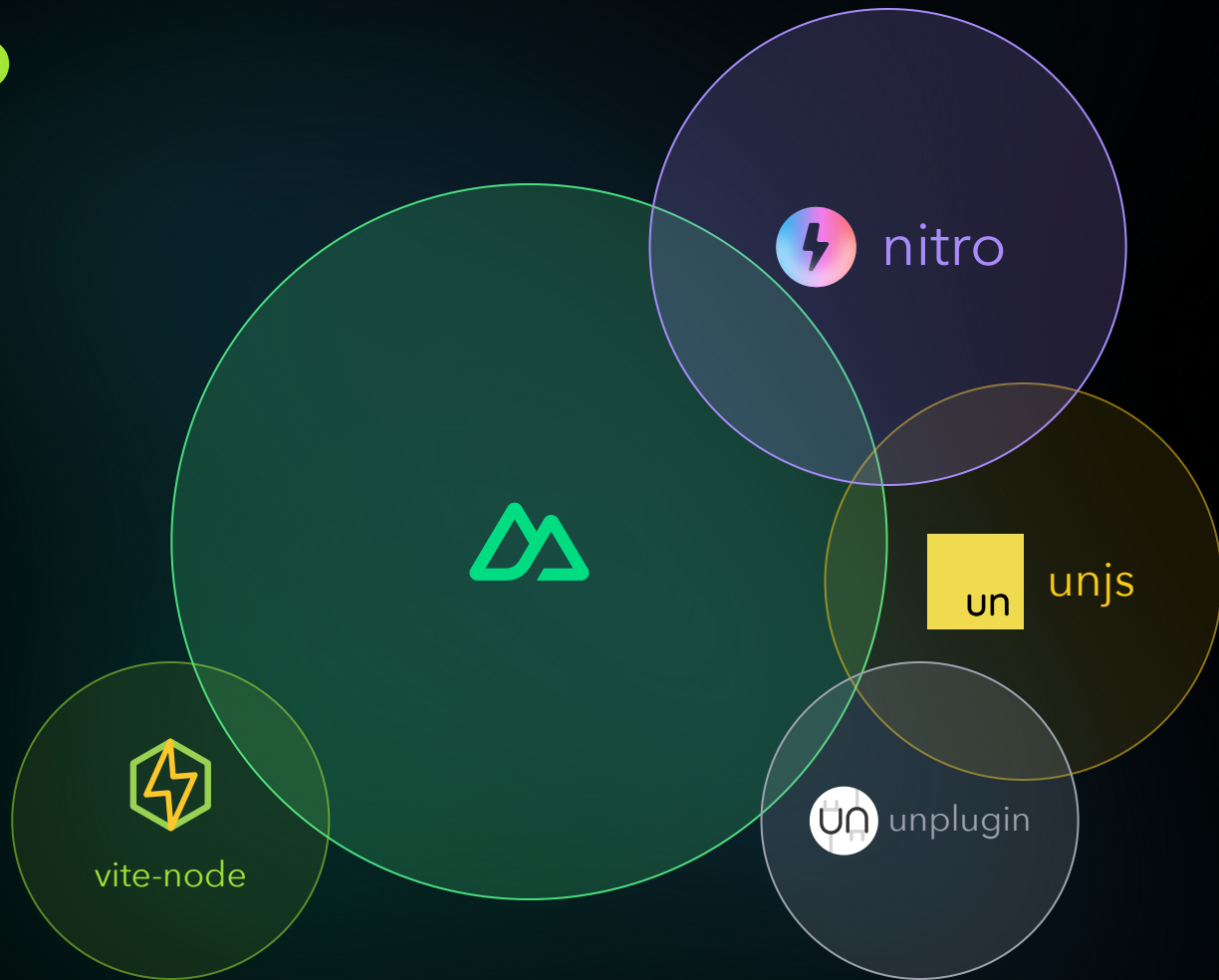


unplugin



The "Set Union"

- Extract the universal parts
- Expand the scopes
- Grow the communities



2019 Chakra UI React

2019 Chakra UI Vue

2021 Zag     ...


2022 Panda CSS      ...

2022 Ark UI   

2024 Chakra v3 migrate to Ark ^{upcoming}



The "Set Theory"

Expand the "Set Intersection" 

- Try making the projects universal
- Break circles, expand the intersection
- Enlarge the scope

Seek for "Set Union" 

- Find the parts that can be universal, and extract them
- Keep specific integrations for better experience
- Expand the communities

Thank You!

Slides on antfu.me