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# Anthony Fu

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Anthony's Roads to Open Source <sup>1/n</sup>

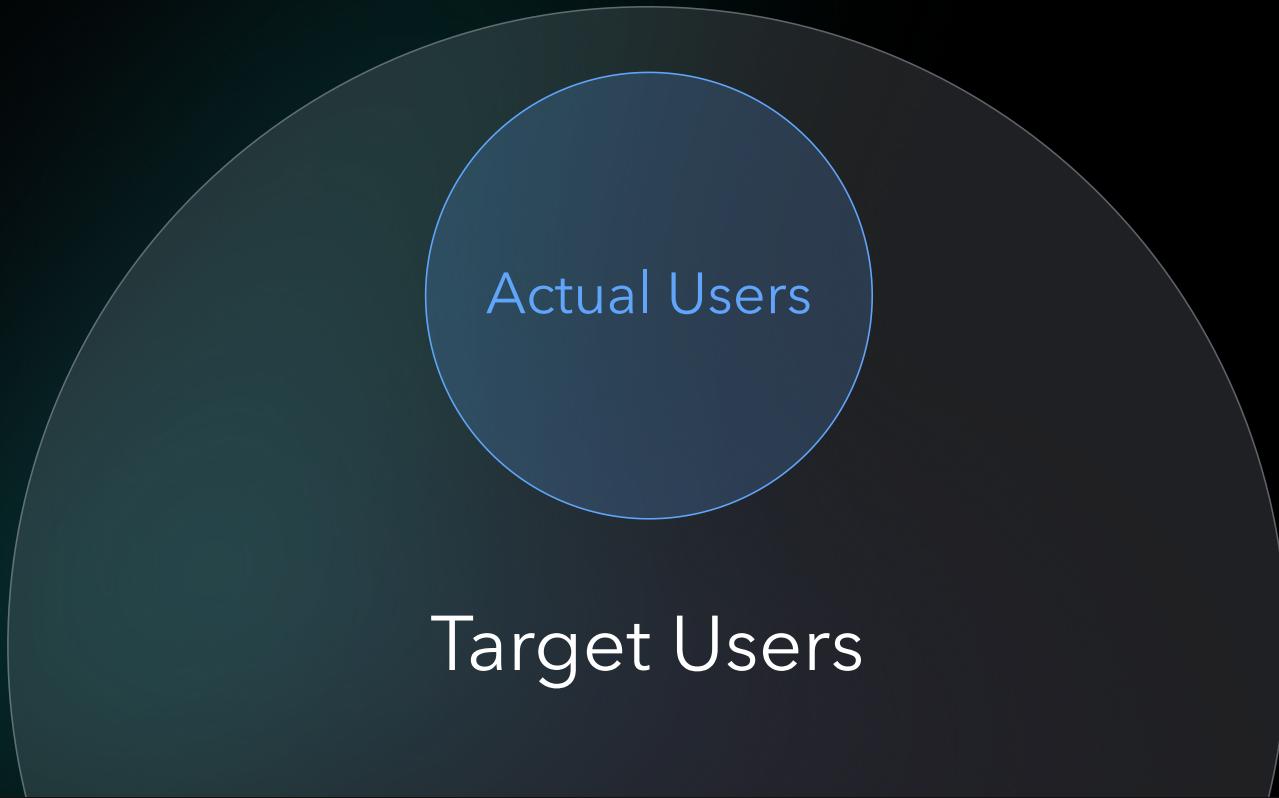
# The Set Theory



REACT PARIS

Mar. 22nd, 2024

# Consider your Target Users



For example  
My First Open Source Project 2019

[antfu/vscode-vue-i18n-ally](#)



```
<template>
  <div id="app">
    <p>{{ $t('Brings a better translating experience) }}</p>
    <p>{{ $t('Hello!) }}</p>
  </div>
</template>

<script>
export default {
  computed: {
    foobar () {
      return this.$t('good morning')
    },
  },
}
</script>
```

en Good morning

fr Bonjour

ja おはようございます

ko 좋은 아침

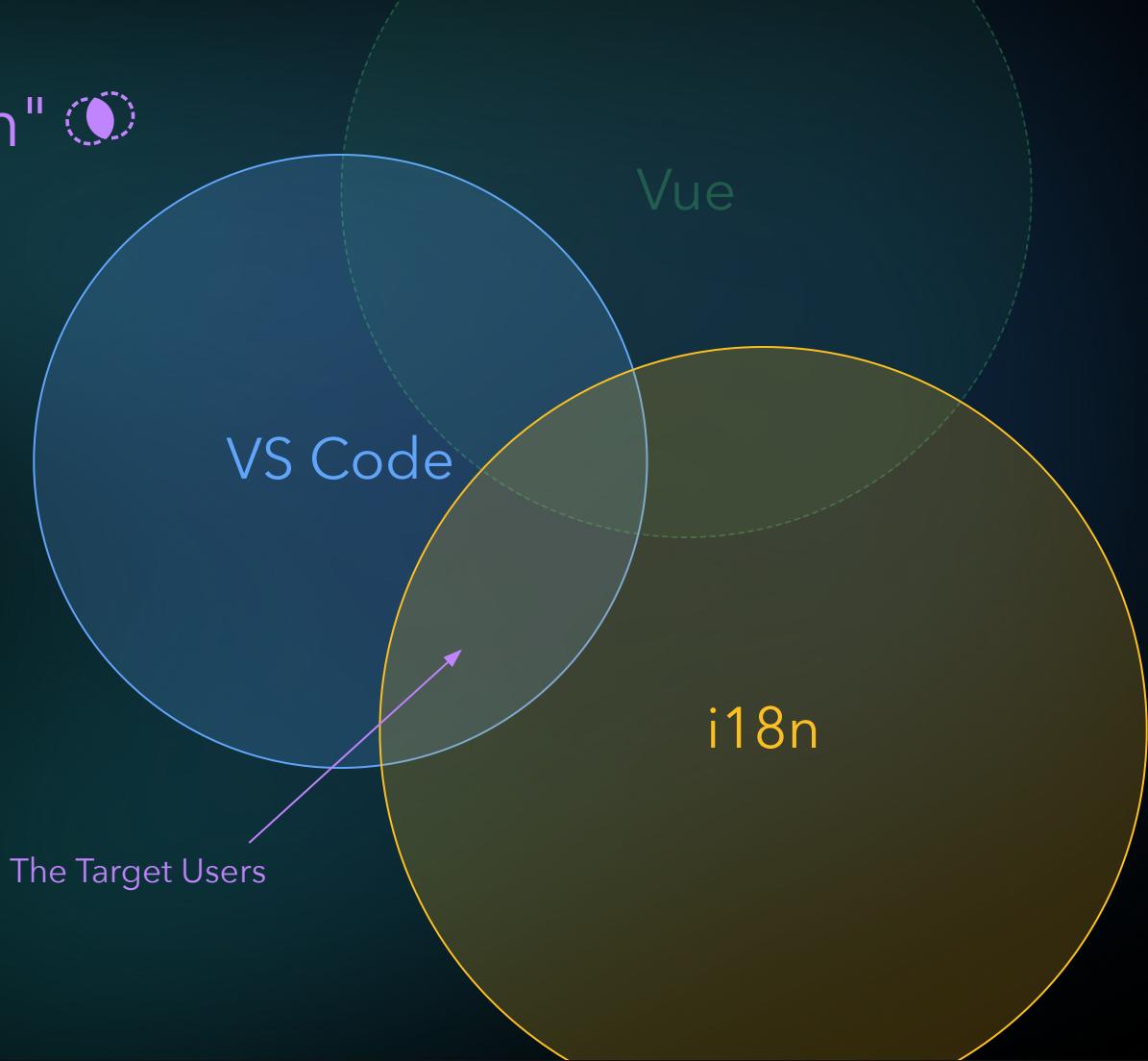
zh-cn -

# The "Set Intersection" ☀

The project:

`vscode-vue-i18n-ally`

- Break the set circles
- Expand the intersection



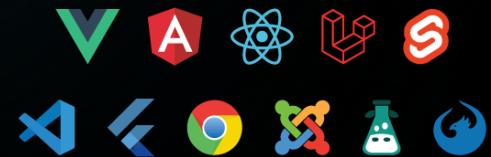


Vue i18n Ally

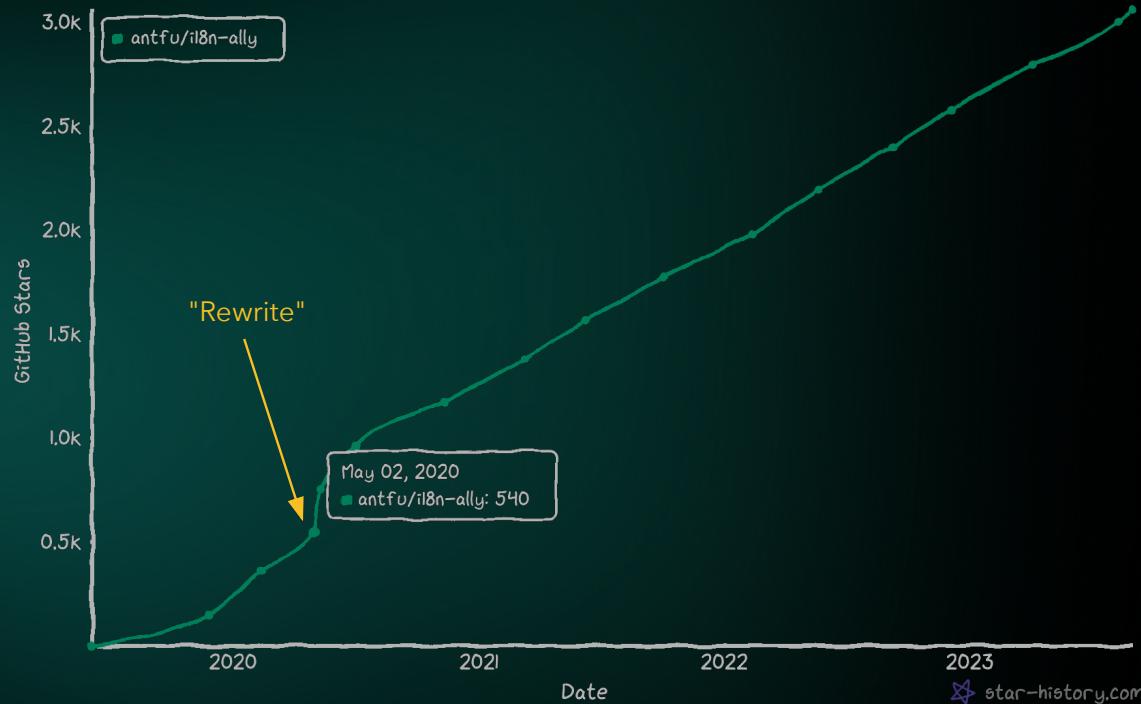


i18n Ally

Supported Frameworks



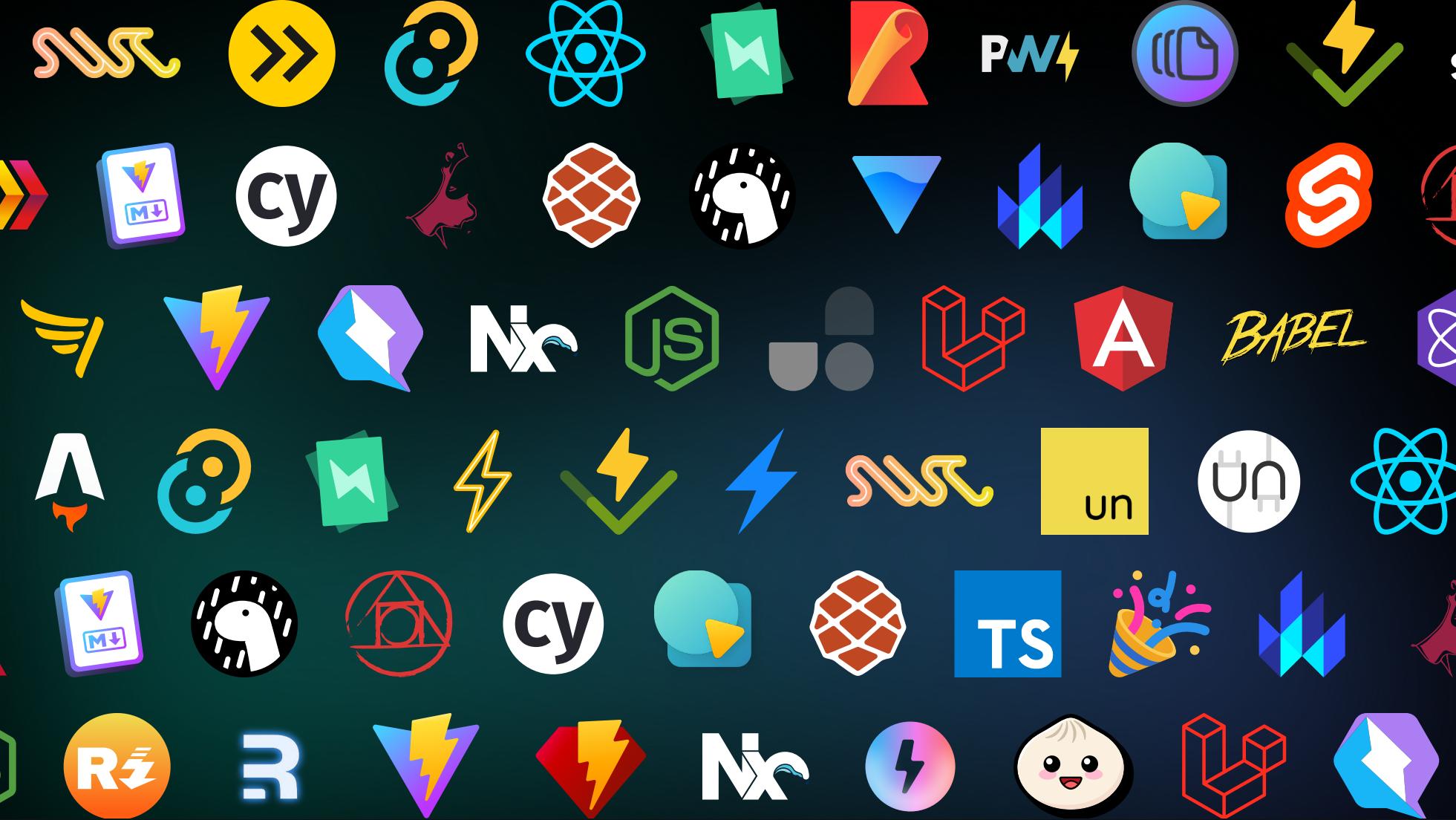
## Star History





Opinionated ~~Vue~~ Tooling

Framework-agnostic Front-end Tooling





# React Query



# Vue Query



# TanStack Query

## TanStack Query v5

Q Search [ ]

FRAMEWORK

React

VERSION

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 adatagrid 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

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

Headless range and multi-range slider utilities.

TanStack 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

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

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.

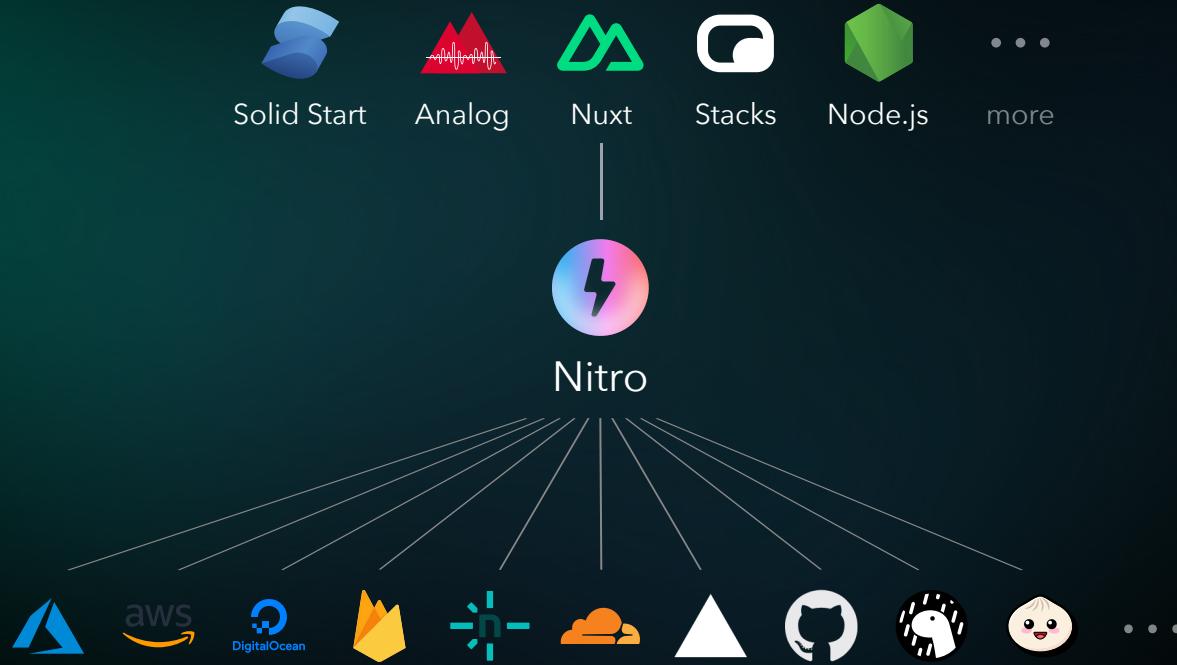
# Benefits of being Universal

- 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



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unplugin

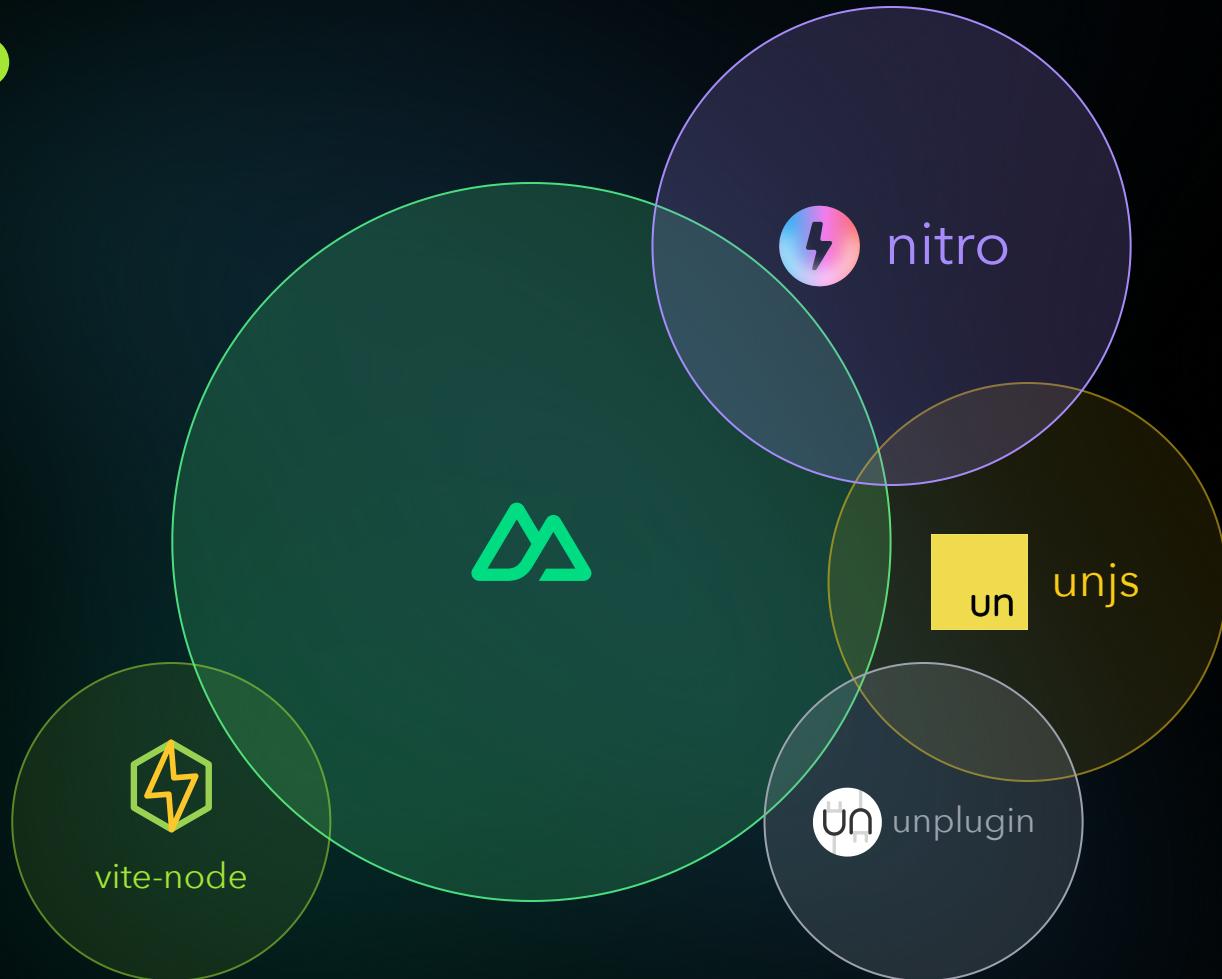
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# The "Set Union"

- 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](http://antfu.me)