

VUECONF US

state of Nuxt 2024
looking forward









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hello 🖐️

 nuxt.com •  nitro.unjs.io •  page-speed.dev •  regexp.dev
 fontaine.sh •  elk.zone •  firstcommit.is •  react-to-nuxt.com

 Experts  Microsoft
Most Valuable
Professional



Have you used Nuxt 3 in production?

yes



24

only v2



11

not yet

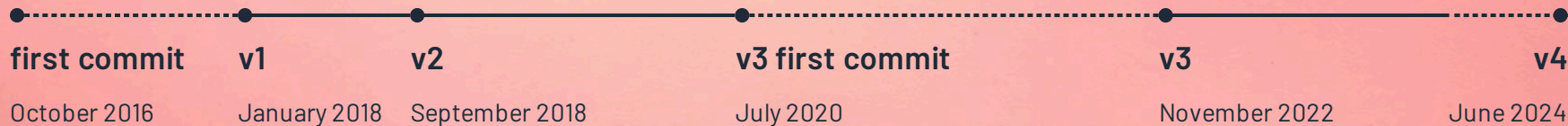


55



what is Nuxt?

- ◆ a **progressive** framework built on **Vue.js** and **Nitro**
- ◆ **zero-effort** start with great DX
- ◆ **best practices** built-in
- ◆ fully **configurable** & easily **extensible**





- ◆ **scope and time**
- ◆ the importance of **ecosystem**

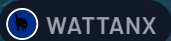
- ◆ reliance on **internals**
- ◆ repairing a **moving car**

the road to Nuxt 3

nuxt/bridge

a forward-compatibility layer to enable migrating to Nuxt 3

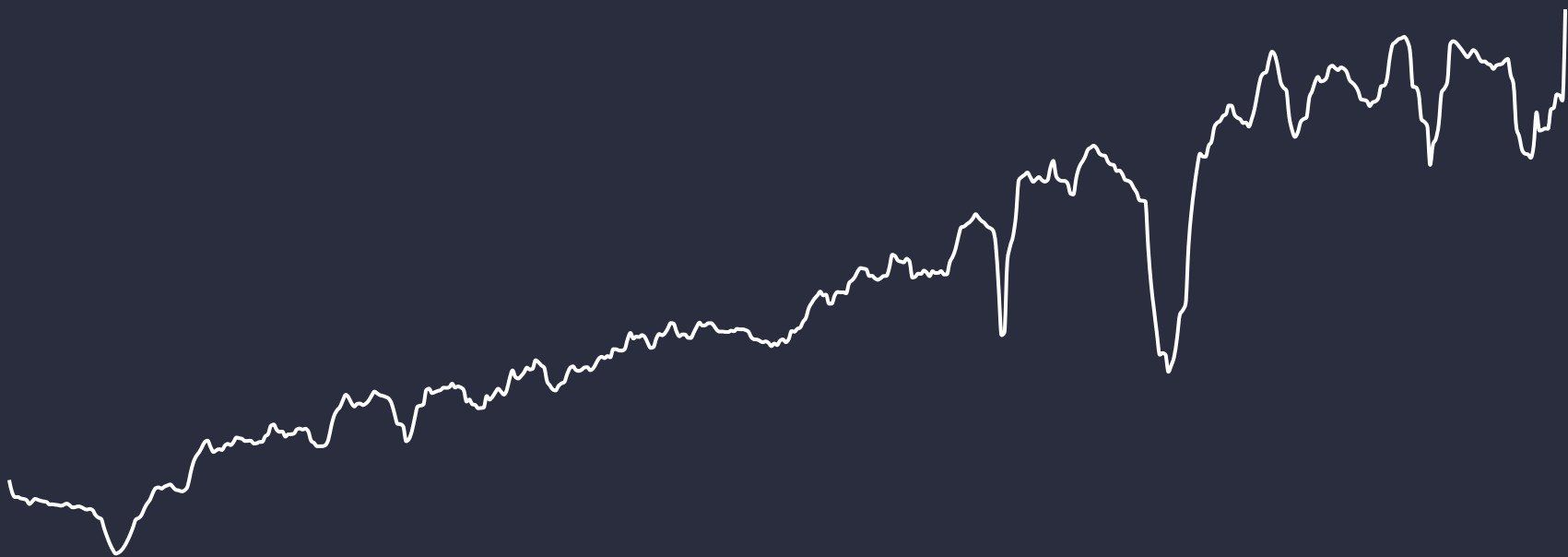
- ◆ Options API → composables + runtime API
- ◆ `webpack` → `vite`
- ◆ `connect` → `nitropack`
- ◆ `vue-meta` → `unhead`

👉 release schedule and end-of-life 

I have used Nuxt Bridge



5



52.3 k

★ STARS

29.8 MILLION

📈 DOWNLOADS

64 %

📊 NUXT 3 VS NUXT 2



680+
CONTRIBUTORS

nuxt.com/modules

... from the public registry at nuxt.com/modules

215+
MODULES

178
MAINTAINERS

1,271
CONTRIBUTORS

13,452,729
DOWNLOADS

141,930
STARS

```
await $fetch('https://api.nuxt.com/modules')
  .then(({ stats }) => console.log(stats))
```



Docs

Integrations

Resources

Showcase

Enterprise

Blog

Nuxt Modules

Discover our list of modules to supercharge your Nuxt project. Created by the Nuxt team and community.

Module Author Guide

List a module

Nuxt Image

Plug-and-play image optimization.

Nuxt DevTools

Visual tools that help you to know your app.

Categories

- Analytics
- CMS
- CSS
- Database
- Devtools
- Ecommerce
- Extensions
- Fonts
- Images
- Libraries
- Monitoring
- Payment
- Performance

Search...



devtools Official

Unleash Nuxt Developer Experience. A set of visual tools that help you t...

1.4M 2.6K 29












pinia









The Vue Store that you will enjoy using

977.8K 12K 26



UI library explosion!

- ✦ nuxt/ui and 💰 nuxt/ui-pro  BENJAMINCANAC
- ✦ primevue  PRIMEFACES
- ✦ element-plus  ELEMENT-PLUS
- ✦ maz-ui  LOUISMAZEL
- ✦ quasar  MAIQUU
- ✦ vuetify  INVICTUS-CODES · USERQUIN
- ✦ tailvue  FUMEAPP
- ✦ ant-design-vue  VUECOMPONENT
- ✦ vuestic  EPICMAXCO

- ✦ vant  VANT-UI
- ✦ inkline  INKLINE
- ✦ ark-ui  IAMDIN
- ✦ arco-design  WIIDEDE
- ✦ vexip-ui  VEXIP-UI
- ✦ vunix  GAETANSENN
- ✦ varlet  VARLETJS
- ✦ 💰 Lunar UI  LEPIKHINB
- ✦ ... and so many more



roe.dev/feedback

60

- Overall Positive Feedback: Many users found Nuxt to be a powerful tool for building web applications, citing its speed, adaptability, and how it's built by a wonderful team.
- Appreciation for Making Dev's Life Easier: Users highlighted the ease-of-use and developer experience (DX) provided by Nuxt.
- Comparison with Other Frameworks: A few users mentioned that they consider Nuxt to be superior to other frameworks, notably Next.
- Desire to Learn and Use: Some users expressed a strong desire to learn more about Nuxt and potentially migrate their existing apps or use it for future projects.
- Random Comments and Emoticons: A range of diverging comments and emoticons were included, demonstrating diverse engagement from users.


In summary, the feedback on Nuxt is highly positive, with users praising its robust features, ease-of-use, and powerful developer experience, and expressing strong interest in learning more about this web application framework.

better it could be using Nuxt

looking back

- ◆ unifying Nuxt codebase
- ◆ focus on key modules + ecosystem
- ◆ developer experience priority
- ◆ stable release cycle
- ◆ migration

OBJECTS IN MIRROR ARE
CLOSER THAN THEY APPEAR

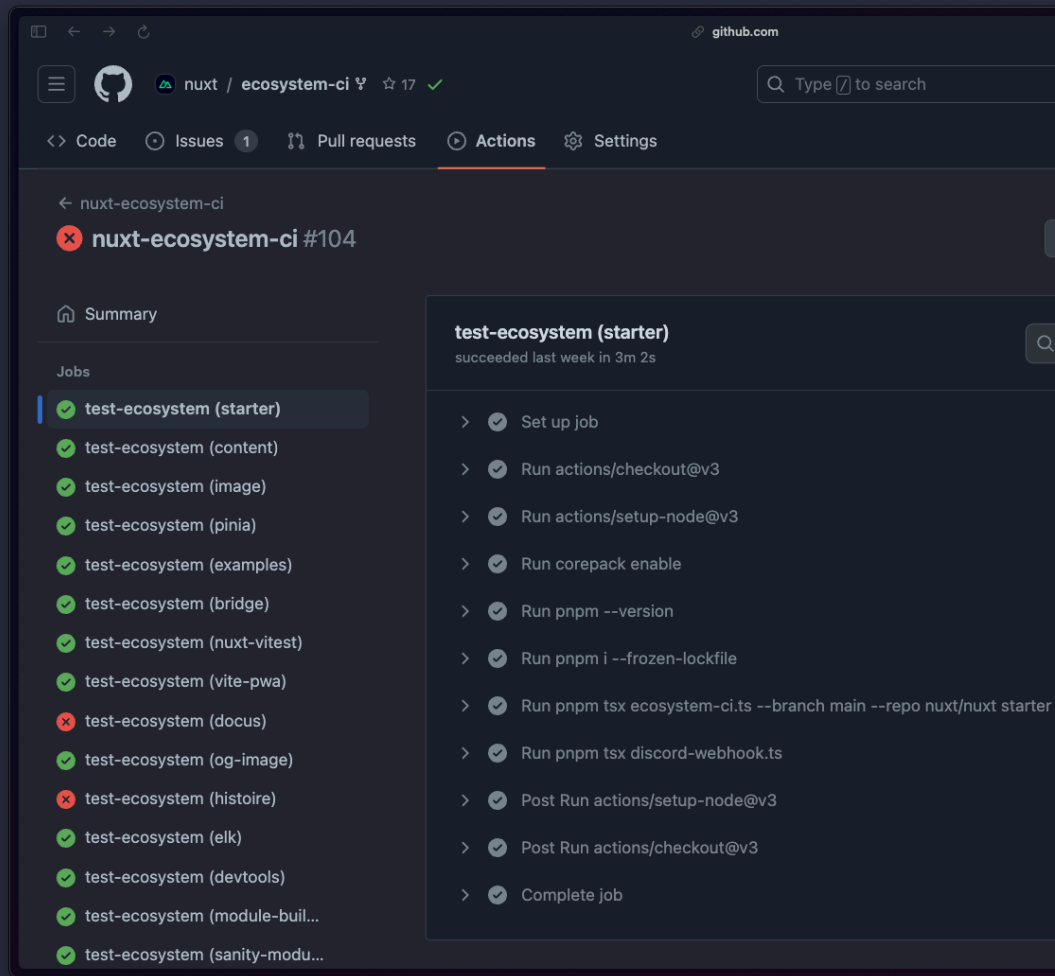
A silhouette of a person wearing a hooded jacket stands on a mountain ridge, looking out over a vast, layered mountain range. The scene is bathed in the soft, hazy light of dawn or dusk, with the sky transitioning from a pale yellow to a light blue. The mountains in the distance are shrouded in a light mist, creating a sense of depth and vastness. The person's figure is dark against the lighter background, emphasizing their presence in the landscape.

our forward vision

balancing stability

prioritising planning and reliability

- ✦ reliable release schedule
- ✦ tested with nuxt/ecosystem-ci



github.com

nuxt / ecosystem-ci 17 ✓

Code Issues 1 Pull requests Actions Settings

nuxt-ecosystem-ci

nuxt-ecosystem-ci #104

Summary

Jobs




- ✓ **test-ecosystem (starter)**
- ✓ test-ecosystem (content)
- ✓ test-ecosystem (image)
- ✓ test-ecosystem (pinia)
- ✓ test-ecosystem (examples)
- ✓ test-ecosystem (bridge)
- ✓ test-ecosystem (nuxt-vitest)
- ✓ test-ecosystem (vite-pwa)
- ✗ test-ecosystem (docus)
- ✓ test-ecosystem (og-image)
- ✗ test-ecosystem (histoire)
- ✓ test-ecosystem (elk)
- ✓ test-ecosystem (devtools)
- ✓ test-ecosystem (module-buil...)
- ✓ test-ecosystem (sanity-modu...)

test-ecosystem (starter)
succeeded last week in 3m 2s




- > ✓ Set up job
- > ✓ Run actions/checkout@v3
- > ✓ Run actions/setup-node@v3
- > ✓ Run corepack enable
- > ✓ Run pnpm --version
- > ✓ Run pnpm i --frozen-lockfile
- > ✓ Run pnpm tsx ecosystem-ci.ts --branch main --repo nuxt/nuxt starter
- > ✓ Run pnpm tsx discord-webhook.ts
- > ✓ Post Run actions/setup-node@v3
- > ✓ Post Run actions/checkout@v3
- > ✓ Complete job

balancing stability with innovation ✨

allowing space for new development
















- ✦ server components  HUANG-JULIEN with deep reactivity
- ✦ app manifests  DANIELROE and build caching  PIO
- ✦ View Transitions API and automatic reload and state restoration
- ✦ zero-JS and zero-Vue runtime modes ⚡
- ✦ inline route rules (with `defineRouteRules`) and build-time metadata extraction
- ✦ 👉 multi-app support, a.k.a Nuxt 'module federation'

balancing stability with innovation ✨


- ✦ nuxt/test-utils  DANIELROE · ANTFU working within `vitest` ecosystem  SHEREMET-VA
- ✦ collaborating with  ECOSYSTEM-CI
- ✦ forward compatibility: `future` and `features` namespaces
- ✦ 👉 downstream testing action
- ✦ 👉 incremental code migration
- ✦ 🙏 an invitation to feedback + testing

balancing stability with innovation ✨

'Baseline features' and  WEB-PLATFORM-DX

 Baseline Widely available	    ^
 Baseline 2022 NEWLY AVAILABLE	    v
 Limited availability	    v

balancing stability with innovation ✨

- ✦ built-in, cross-platform WebSocket support
- ✦ WebAssembly possibilities
- ✦ new JS runtimes and deployment targets
- ✦ collaborating with  GOOGLECHROMELABS Aurora team on performance

Balancing stability with innovation ✨

- ◆ informative usage information with

[nuxt/telemetry](#)



PI0 · DANIELROE · ATINUX

- ◆ evaluating impact from real-world projects

http.
archive

The screenshot shows the NuxtOSS interface. On the left is a sidebar with navigation options: Overview, Data Flow, Playground, Time Series, Tokens, and a section for DATA PROJECT containing Pipes (16) and a list of tables including environment_per_day, nuxt_devtools_active_tabs, nuxt_devtools_events, nuxt_devtools_versions, nuxt_devtools_3, nuxt_projects_per_version, nuxt_sessions, nuxt_sessions_per_month, nuxt2_sessions_per_day, nuxt2_sessions_per_month, nuxt3_modules_projects, nuxt3_modules_and_date, nuxt3_sessions_per_day, nuxt3_sessions_per_month, and os_per_day.

The main content area displays the 'nuxt_devtools' data project. It includes a description field, a note that there are no dynamic parameters, and a button to learn how to add a parameter. Below this is the 'nuxt_devtools_active_tabs' table, with a field for inserting node comments.

A query editor shows the following SQL query:

```
1 SELECT
2   tab,
3   count(tab) as total,
4   count(distinct(context_projectHash)) as total_projects
5 FROM telemetry_v1_event_devtools where event == 'tab'
6 group by tab
7 order by total desc
```

Below the query, it indicates that 35.01MB was processed, resulting in 662.33k rows x 3 columns in 24.69ms. There are links to 'View chart in Vega'.

tab	total	total_projects
modules-pages	10199	4014
modules-components	8918	3717



minimal philosophy

... and maximal possibility.



what about nuxt 4?

- ✦ HYPE
- ✦ **thoughtful** breaking changes
- ✦ opt-in and out
- ✦ focus on **migration** experience

what about nuxt 4?

✨ new default directory structure

```
app/
├ components/
├ composables/
├ layouts/
├ middleware/
├ pages/
├ plugins/
└ app.vue

modules/
public/

server/
├ api/
├ middleware/
├ plugins/
└ routes/

layers/

nuxt.config.ts
```



what about nuxt 4?

- 🔥 opting-in to more performant defaults
- ✦ shallow reactive payloads + asyncData
- ✦ non-reactive runtime configuration
- ✦ using native browser cache



what about nuxt 4?

🚧 implementing best practices

- ✦ absolute paths in `builder:watch` hook
- ✦ removing `pending` boolean in favour of `status`
- ✦ namespacing `window.__NUXT__`
- ✦ improving consistency in composables



what about nuxt 4?

👉 you can try it **today** on the nightly channel

```
export default defineNuxtConfig({  
  // https://nuxt.com/docs/getting-started/upgrade  
  future: {  
    compatibilityVersion: 4  
  }  
})
```



friendly collaboration

'centre-bounded'





ecosystem

ROUTING

- ✦ vue-router
- ✦ universal routing

DEPLOY

- ✦ alwaysdata
- ✦ aws lambda
- ✦ aws amplify
- ✦ azure
- ✦ cleavr
- ✦ cloudflare
- ✦ deno deploy
- ✦ digitalocean
- ✦ edgio
- ✦ firebase
- ✦ flightcontrol
- ✦ github pages
- ✦ heroku
- ✦ iis

- ✦ koyeb

- ✦ netlify
- ✦ platform.sh
- ✦ render.com
- ✦ stormkit
- ✦ vercel
- ✦ zeabur

TESTING

- ✦ jest
- ✦ vitest
- ✦ playwright
- ✦ cypress
- ✦ cucumber

STORIES

- ✦ storybook
- ✦ histoire

KV AND CACHE

- ✦ azure
- ✦ browser
- ✦ capa
- ✦ pref
- ✦ cloud
- ✦ filesystem
- ✦ github
- ✦ http
- ✦ lru cache
- ✦ memory
- ✦ mongodb
- ✦ netlify blobs
- ✦ overlay
- ✦ planetscale

- ✦ redis

- ✦ vercel kv

DATABASES

- ✦ bun sqlite
- ✦ cloudflare d1
- ✦ postgresql
- ✦ sqlite
- ✦ turso
- ✦ vercel

IMAGES

- ✦ aliyun
- ✦ aws amplify
- ✦ bunny
- ✦ caisy
- ✦ cloudflare
- ✦ cloudimage
- ✦ cloudinary
- ✦ contentful
- ✦ directus
- ✦ edgio
- ✦ fastly
- ✦ glide
- ✦ gumlet
- ✦ hygraph
- ✦ imageengine
- ✦ imagekit
- ✦ imgix
- ✦ ipx

- ✦ netlify

- ✦ prepr
- ✦ prismic
- ✦ sanity
- ✦ sirv
- ✦ storyblok
- ✦ strapi
- ✦ twicpics
- ✦ unsplash
- ✦ uploadcare
- ✦ vercel
- ✦ weserv


FONTS

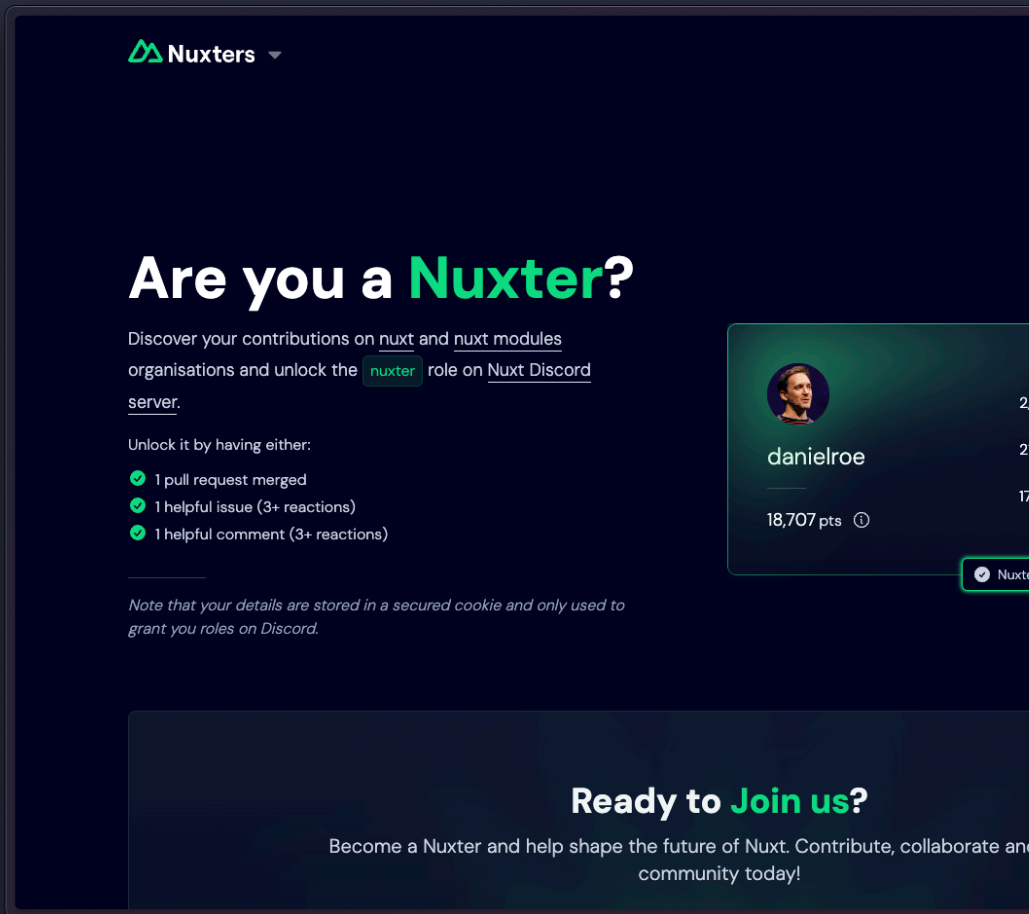
- ✦ google
- ✦ adobe
- ✦ bunny
- ✦ fontshare
- ✦ fontsource
- ✦ local

90+

PROVIDERS

a welcoming community

- ✦ docs with syntax + API usage  ATINUX · ANTFU
- ✦ Discord and GitHub for help and contribution
- ✦ we want to recognise you at nuxters.nuxt.com
- ✦ ... and a final offer 🙏
roe.dev/chat



Nuxters ▾


Are you a Nuxter?

Discover your contributions on [nuxt](#) and [nuxt modules](#) organisations and unlock the [nuxter](#) role on [Nuxt Discord server](#).

Unlock it by having either:

- ✔ 1 pull request merged
- ✔ 1 helpful issue (3+ reactions)
- ✔ 1 helpful comment (3+ reactions)

Note that your details are stored in a secured cookie and only used to grant you roles on Discord.



danielroe


18,707 pts ⓘ

Ready to Join us?

Become a Nuxter and help shape the future of Nuxt. Contribute, collaborate and join our community today!


what's next?

◆ [nuxt/fonts](#)  DANIELROE

◆ [nuxt/ally](#)  ANTFU · DANIELROE


◆ [nuxt/auth](#)  ATINUX · PIO

◆ [nuxt/hints](#)  BAROSHEM · DANIELROE

◆ [nuxt/scripts](#)  HARLAN-ZW · HUANG-JULIEN · FLASHDESIGNORY · HOUSSEINDJIRDEH

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... thank you from the whole Nuxt team ❤️

✦ core  PIO · ATINUX · ANTFU · HARLAN-ZW · HUANG-JULIEN · LIHBR · MANNIL · DANIELROE

✦ insiders 