VUE CONF 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

RØDE

Have you used Nuxt 3 in production?

yes

24

only v2

11

not yet

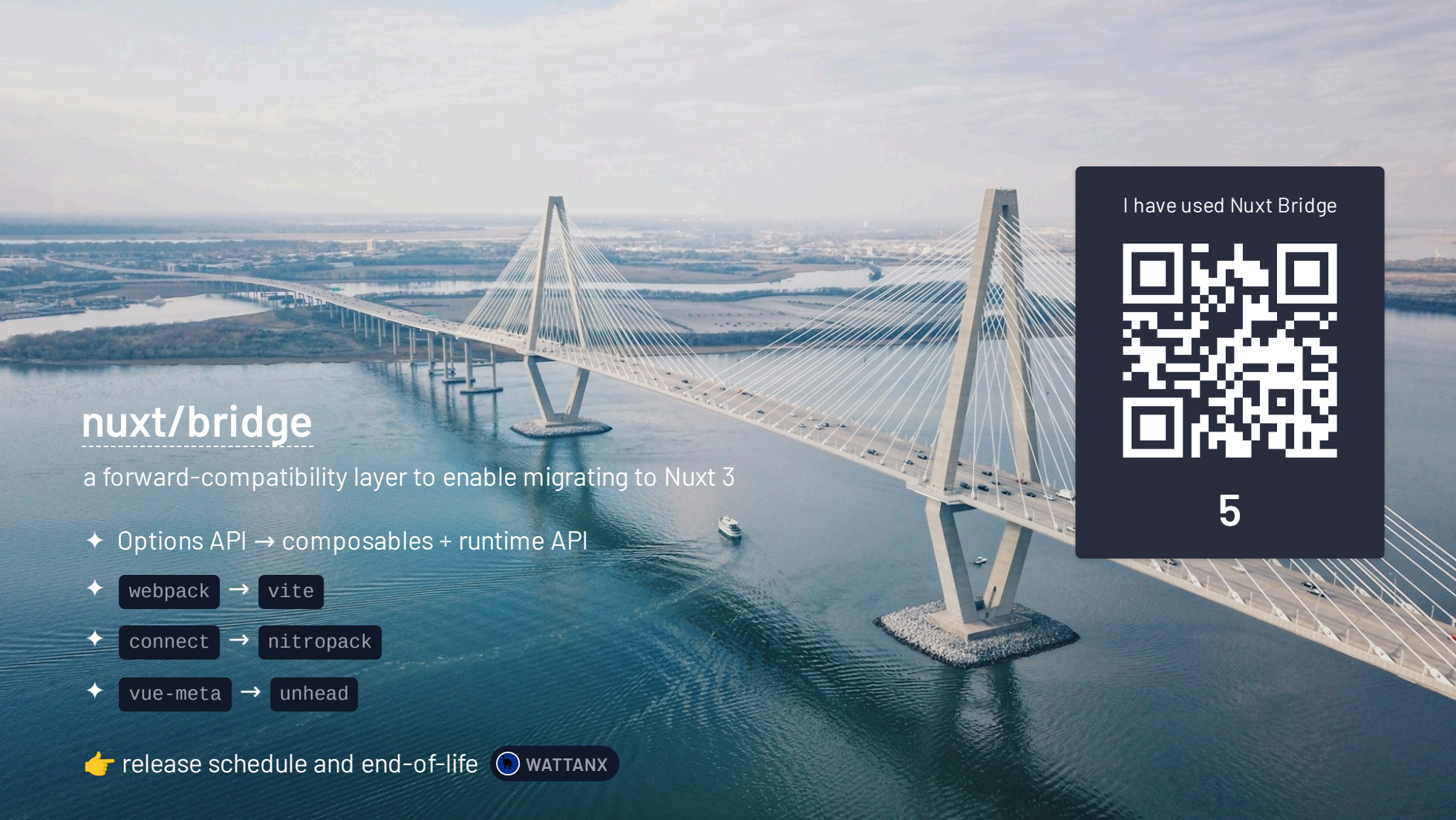
55

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**

first commit	v1	v2	v3 first commit	v3	v4
October 2016	January 2018	September 2018	July 2020	November 2022	June 2024

✦ **scope** and **time**
✦ the importance of **ecosystem**
✦ reliance on **internals**
✦ repairing a **moving car**
the road to Nuxt 3



nuxt/bridge

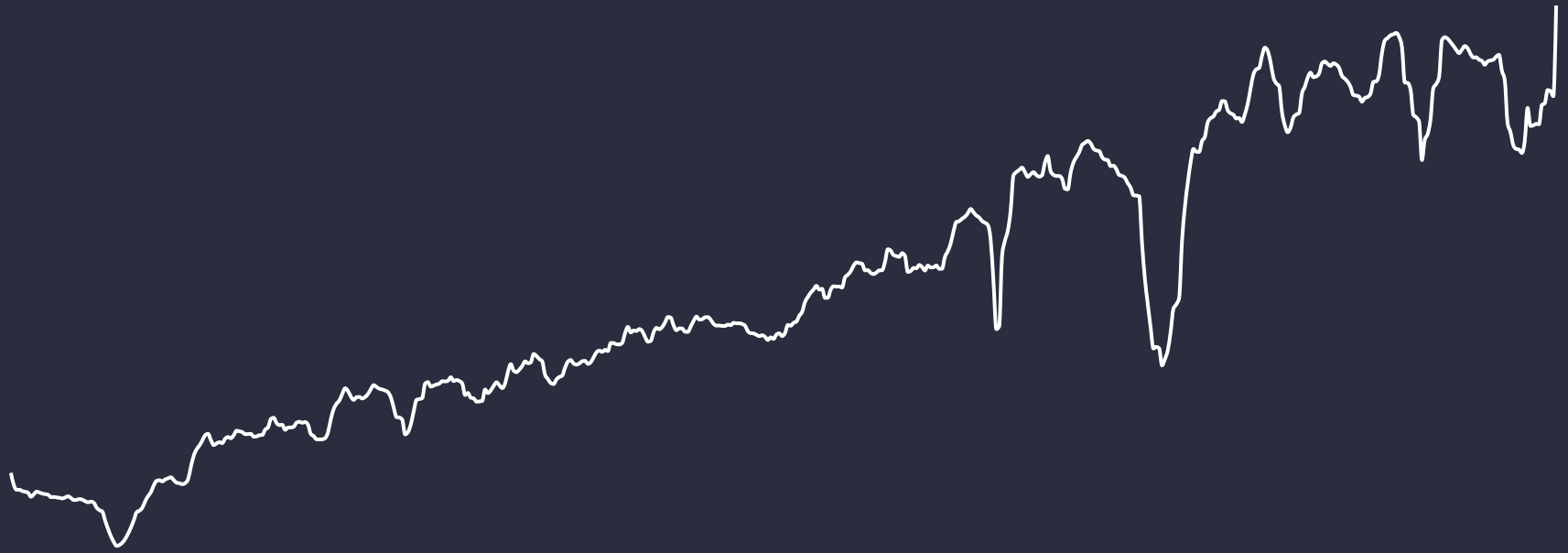
a forward-compatibility layer to enable migrating to Nuxt 3

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

👉 release schedule and end-of-life WATTANX

I have used Nuxt Bridge

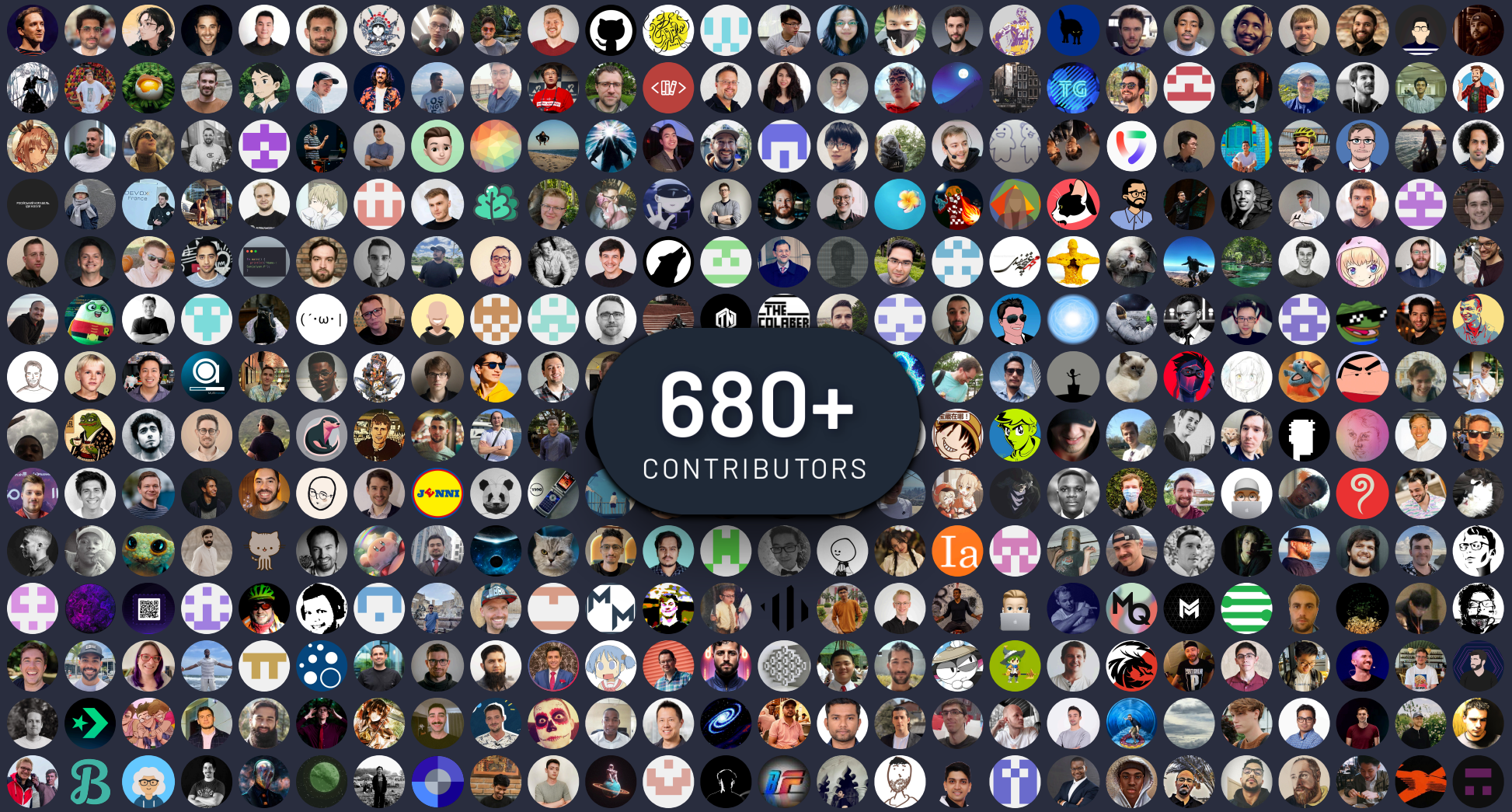
5



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/modules**

215+ MODULES

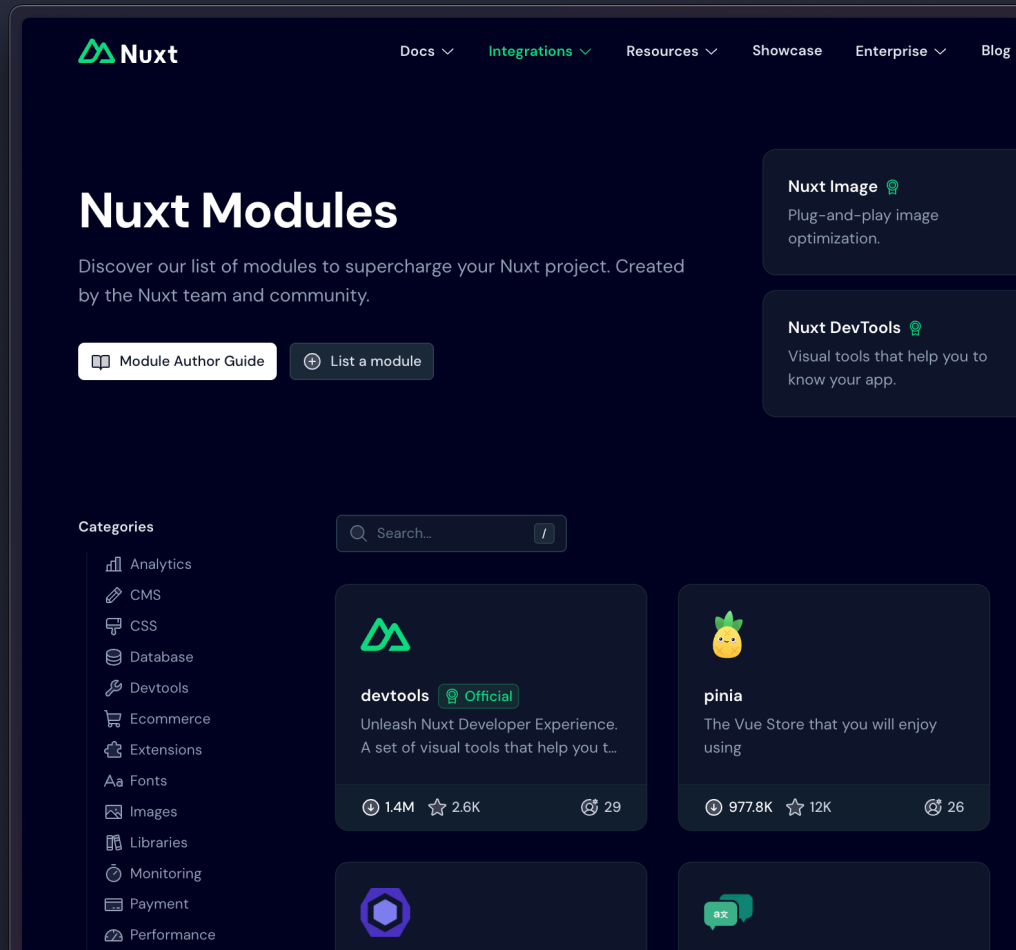
178 MAINTAINERS

1,271 CONTRIBUTORS

13,452,729 DOWNLOADS

141,930 STARS

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



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

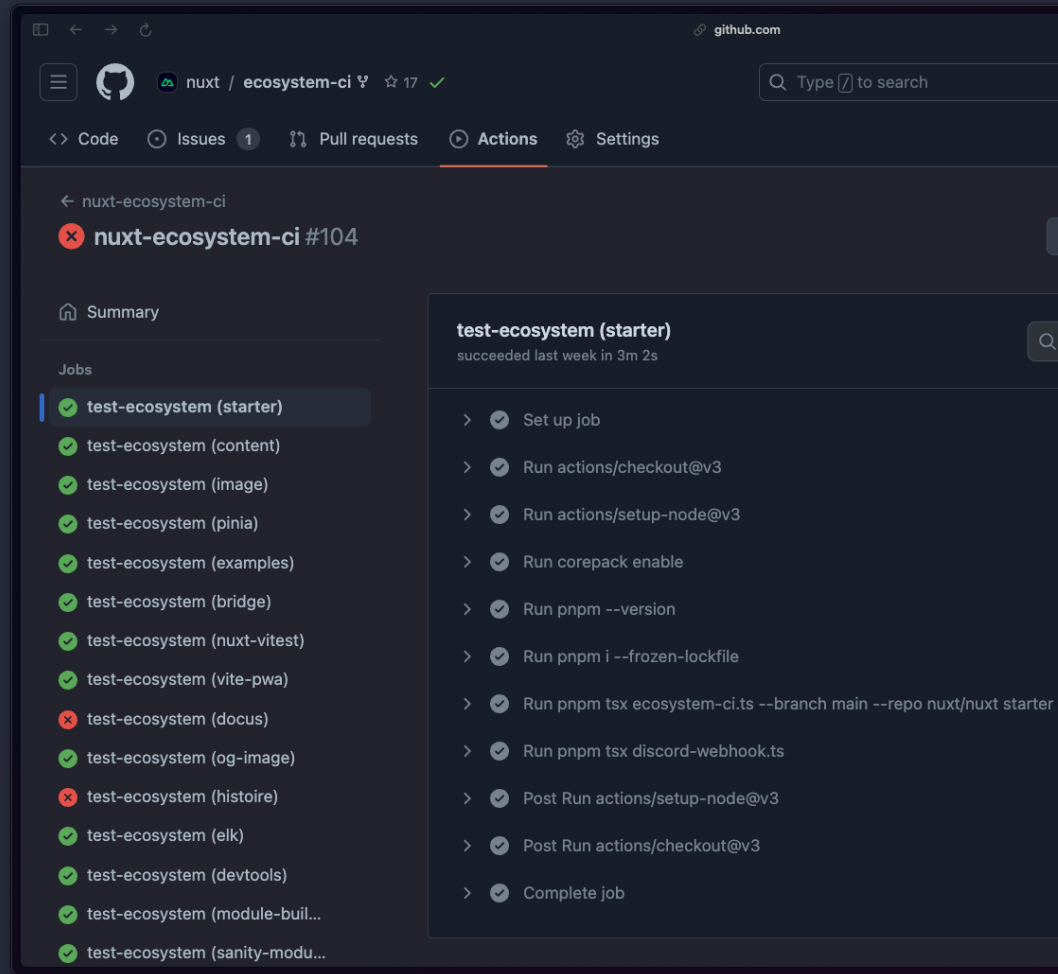
- unifying Nuxt codebase
- focus on key modules + ecosystem
- developer experience priority
- stable release cycle
- migration

our forward vision

balancing stability

prioritising planning and reliability

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



balancing stability with innovation ✨

allowing space for new development

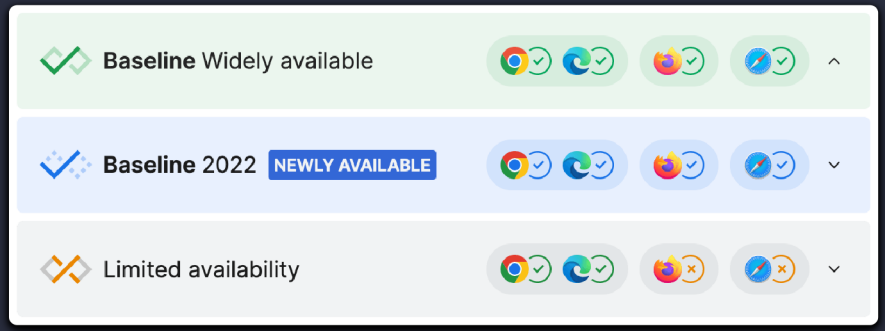
- ✦ server components HUANG-JULIEN with deep reactivity
- ✦ app manifests DANIELROE and build caching PIO
- ✦ View Transitions API and automatic reload and state restoration
- ✦ zero-JS and zero-Vue runtime modes ⚡
- ✦ inline route rules (with `defineRouteRules`) and build-time metadata extraction
-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



balancing stability with innovation ✨

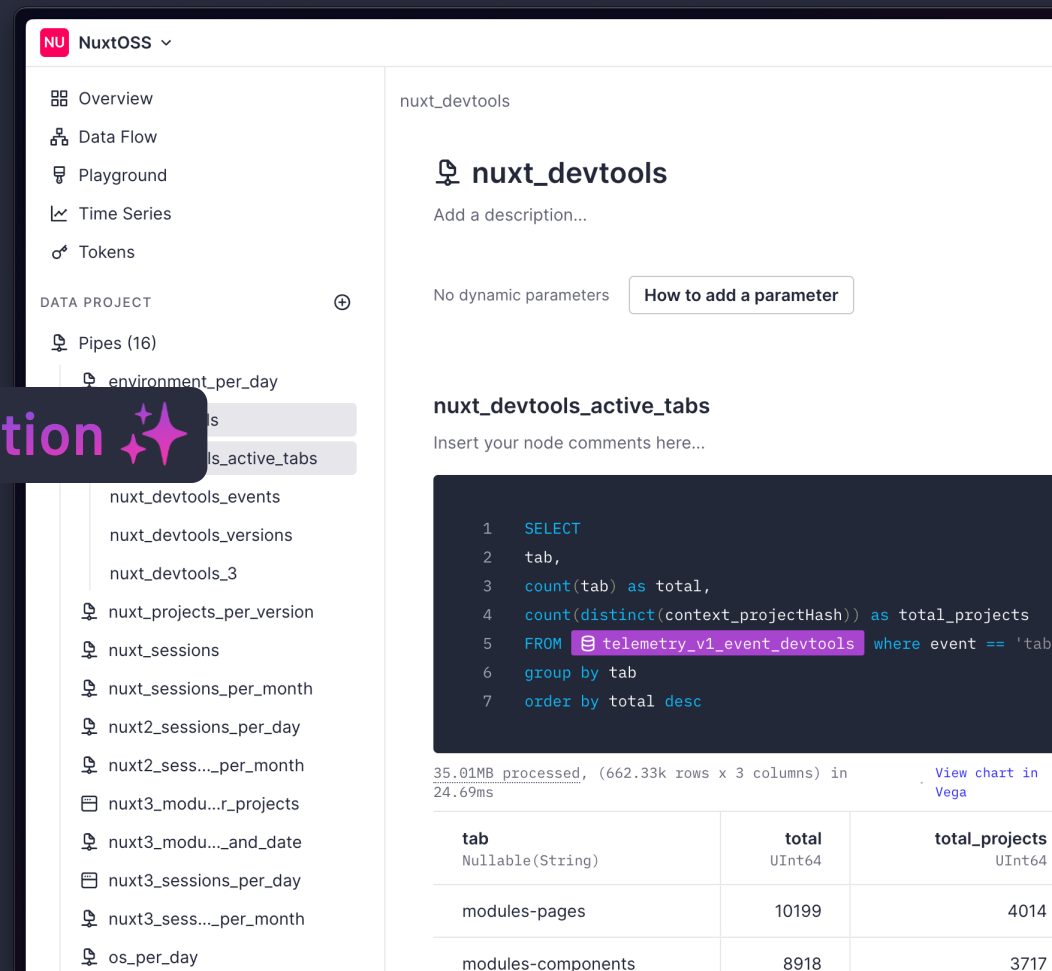
- built-in, cross-platform WebSocket support
- WebAssembly possibilities
- new JS runtimes and deployment targets
- collaborating with

Aurora team on performance

Balancing stability with innovation ✨

- ✦ informative usage information with **nuxt/telemetry** PIO · DANIELROE · ATINUX
- ✦ evaluating impact from real-world projects

http archive



minimal philosophy
... and maximal possibility.

what about nuxt 4?

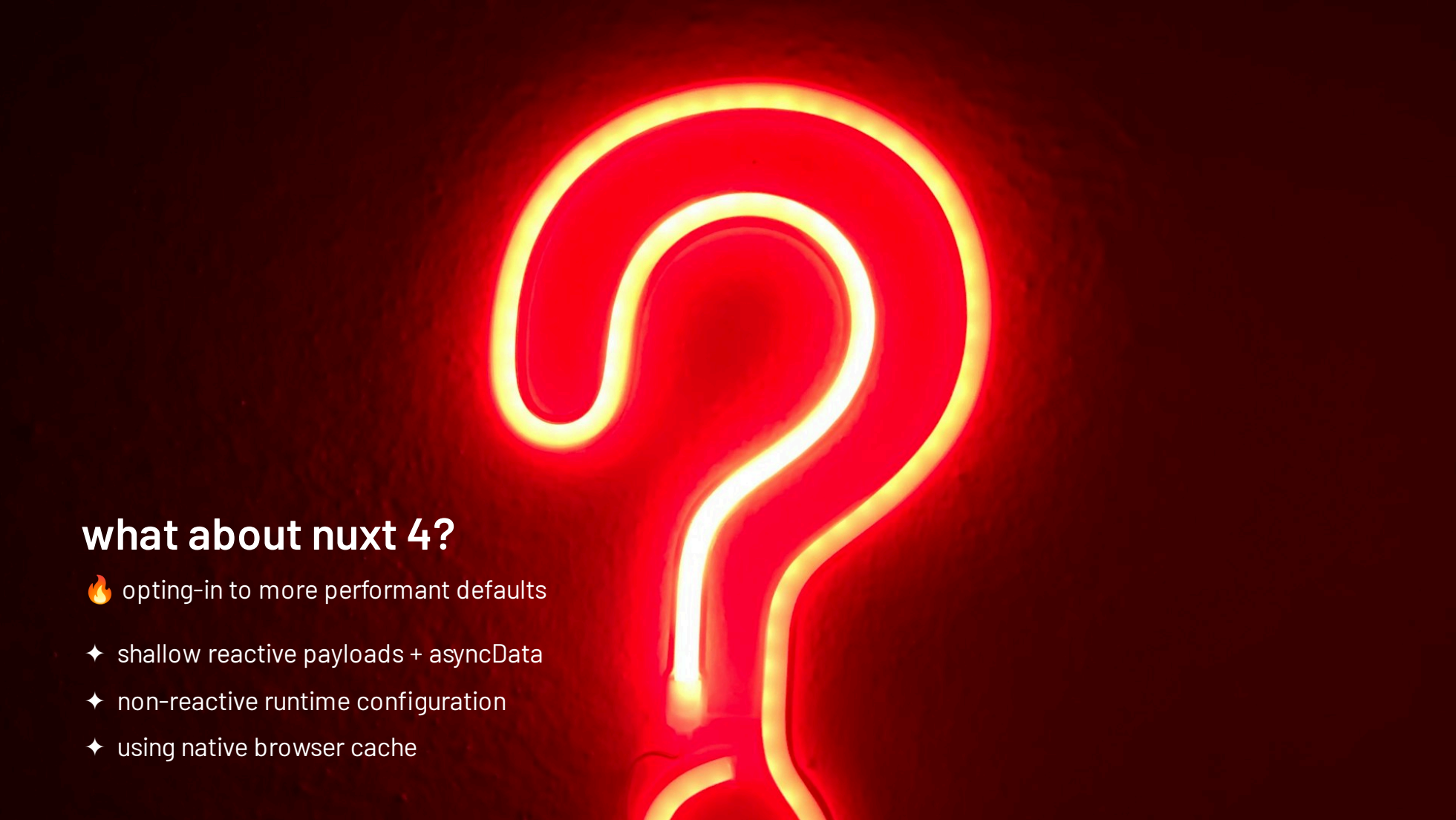
- ~~HYPE~~
- **thoughtful** breaking changes
- opt-in **and out**
- focus on **migration** experience

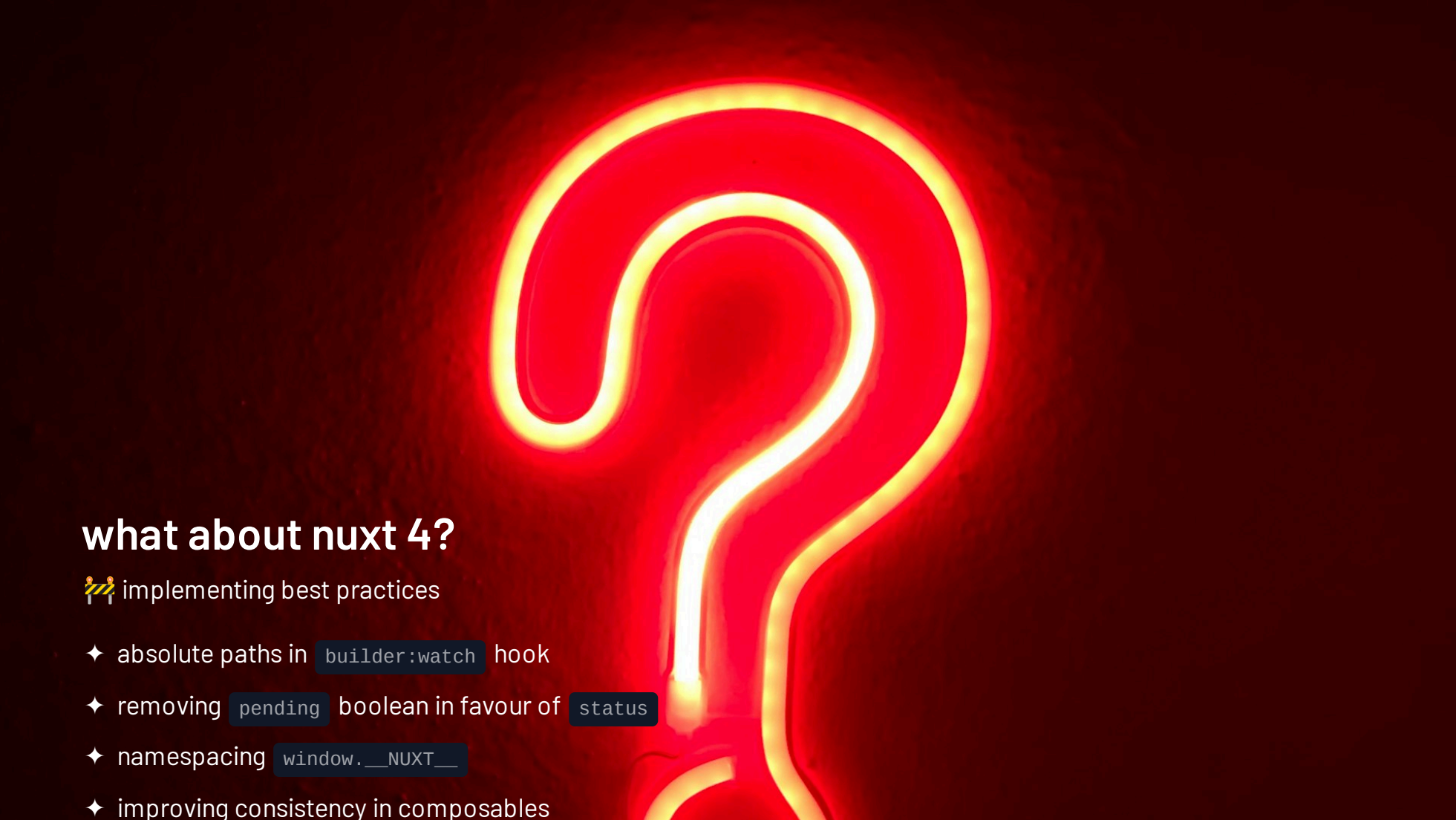
what about nuxt 4?

✨ new default directory structure

```
app/                    modules/
 ├ components/          public/
 ├ composables/
 ├ layouts/             server/
 ├ middleware/           ├ api/
 ├ pages/                ├ middleware/
 ├ plugins/              ├ plugins/
 └ app.vue               └ routes/

layers/                 nuxt.config.ts
```

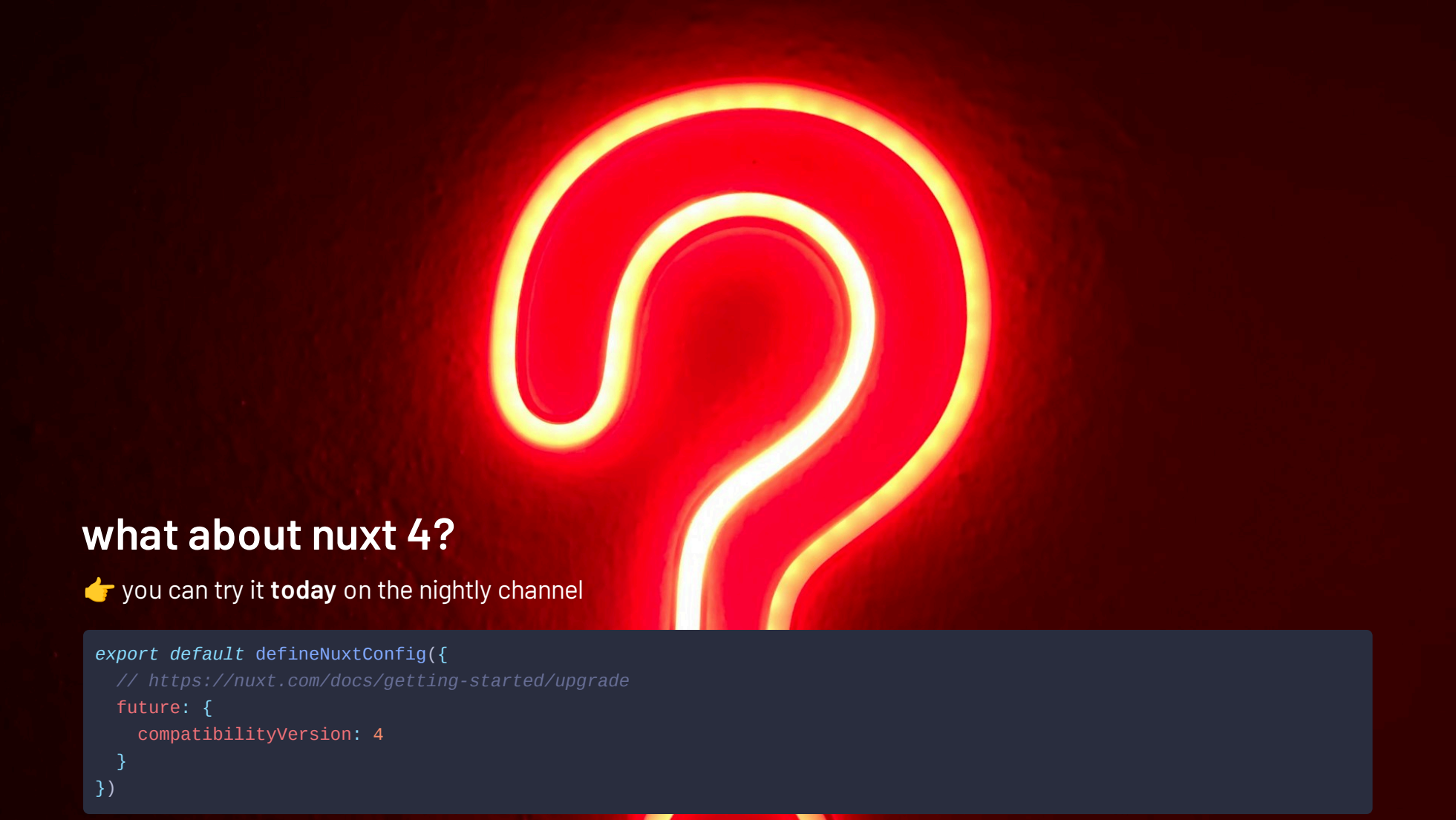

what about nuxt 4?
🔥 opting-in to more performant defaults
✦ shallow reactive payloads + asyncData
✦ non-reactive runtime configuration
✦ using native browser cache



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
- prefe
- cloudi
- filesystem
- github
- http
- lru cache
- memory
- mongodb
- netlify blobs
- overlay
- planetscale
- redis
- vercel kv

DATABASES

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

90+

PROVIDERS

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

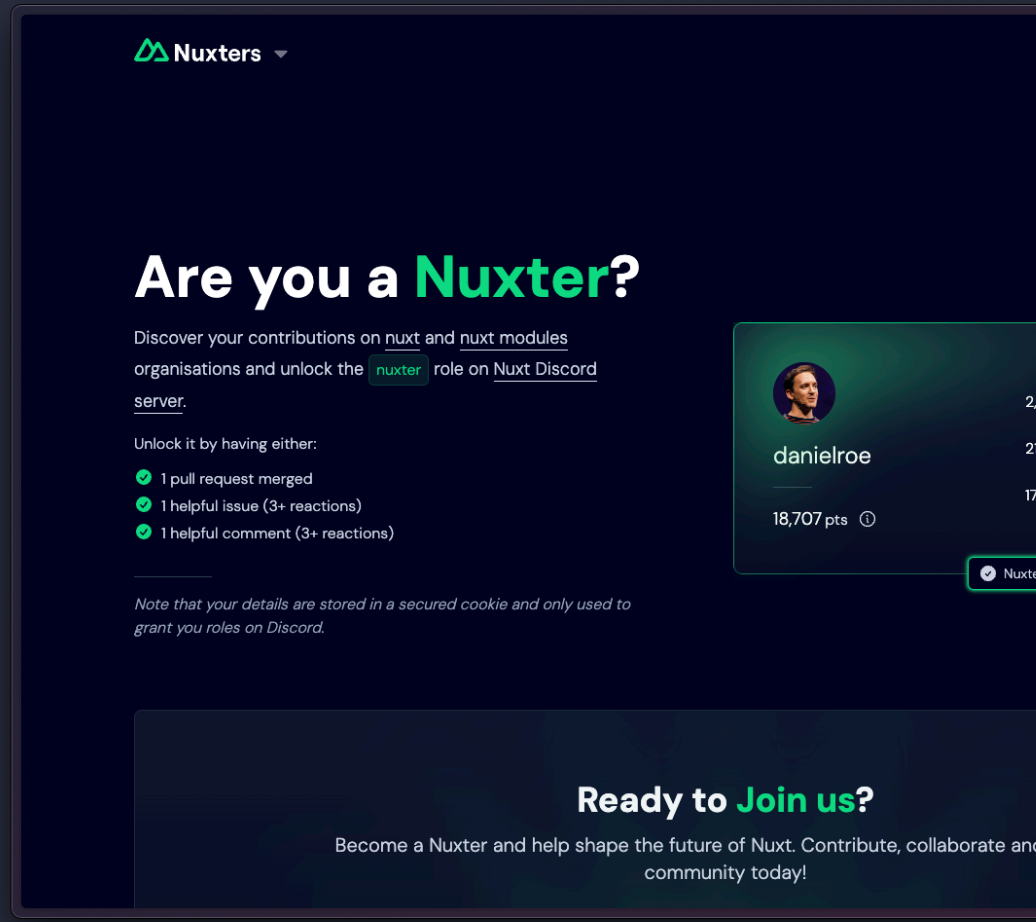
FONTS

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

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



what's next?
nuxt/fonts DANIELROE
nuxt/a11y 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