



what's new in nuxt 4?









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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 before?

Yes



18

Not yet



12





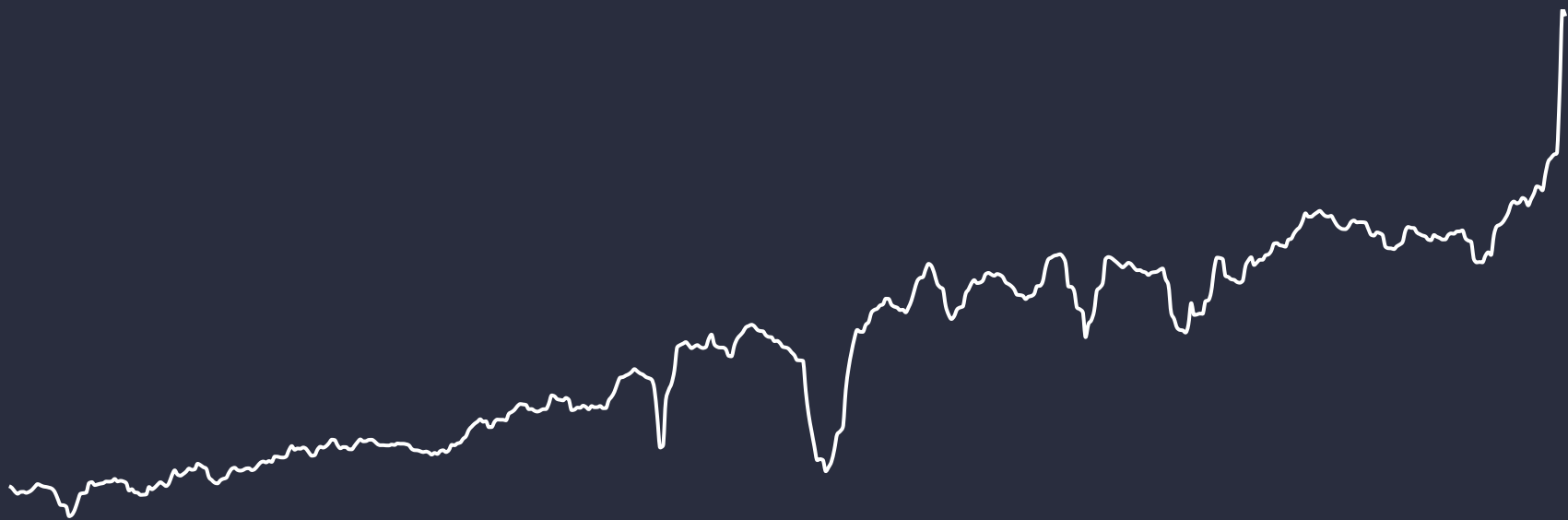
# What is Nuxt?

progressive framework

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







**54.1** k

★ STARS

**31.8** MILLION

📈 DOWNLOADS

**72** %

📊 NUXT 3 VS NUXT 2





# nuxt.com/modules

broader ecosystem

240 +  
MODULES

194  
MAINTAINERS

1,453  
CONTRIBUTORS

17,432,149  
DOWNLOADS

167,902  
STARS

```
const { stats } =  
  await $fetch('https://api.nuxt.com/modules')
```



Docs

Integrations

Resources

Showcase

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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
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- Performance

Search...



### devtools



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





## what's new in nuxt 4?

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

## what's new in nuxt 4?

✨ new default directory structure

separation of scope: build, server, vue, shared

💪 better types

⚡ more performant

```
app/  
  | components/  
  | composables/  
  | layouts/  
  | middleware/  
  | pages/  
  | plugins/  
  | app.vue  
  └─ router.options.ts  
content/  
layers/  
i18n/  
modules/  
public/  
server/  
  | api/  
  | middleware/  
  | plugins/  
  └─ routes/  
shared/  
nuxt.config.ts
```



## what's new in nuxt 4?

🏠 data fetching changes

✦ shared prerender data

✦ deep reactivity

✦ defaults for `data` & `error`

migration

```
export default defineNuxtConfig({
  future: {
    compatibilityVersion: 4,
  },
  srcDir: '.',
  dir: {
    app: 'app'
  },
  experimental: {
    sharedPrerenderData: false,
    compileTemplate: true,
    resetAsyncDataToUndefined: true,
    templateUtils: true,
    relativeWatchPaths: true,
    defaults: {
      useAsyncData: {
        deep: true
      }
    }
  },
  unhead: {
    renderSSRHeadOptions: {
      omitLineBreaks: false
    }
  }
})
```

The screenshot shows the Nuxt.js website interface. At the top, there is a navigation bar with the Nuxt logo and version 'v3.13', and links for 'Docs', 'Integrations', 'Resources', 'Products', and 'Services'. Below the navigation, there is a 'Get Started' section with a list of links: 'Guide', 'API', 'Examples', and 'Community'. A main article titled 'Testing Nuxt 4' is displayed, with a sub-section 'Opting in to Nuxt 4'. The article text discusses the planned release of Nuxt 4 on or before June 14 and provides instructions on how to opt in to Nuxt 4's breaking changes by setting the 'compatibilityVersion' in the nuxt.config.ts file. A code block at the bottom of the article shows the relevant configuration snippet.

**Nuxt** v3.13 [Docs](#) [Integrations](#) [Resources](#) [Products](#) [Services](#)

**Get Started**

- Guide
- API
- Examples
- Community

## Testing Nuxt 4

Nuxt 4 is planned to be released **on or before June 14** (though obviously dependent on having enough time after Nitro's major release to be proper for the community, so be aware that this is not an exact date).

Until then, it is possible to test many of Nuxt 4's breaking changes from Nuxt 3.12+.

Watch a video from Alexander Lichter showing how to opt in to Nuxt 4's breaking changes already.

### Opting in to Nuxt 4

First, upgrade Nuxt to the **latest release**.

Then you can set your `compatibilityVersion` to match Nuxt 4 behavior.


```
nuxt.config.ts
```

```
export default defineNuxtConfig({
  future: {
```



# migration

 [nuxt.com/docs/getting-started/upgrade](https://nuxt.com/docs/getting-started/upgrade)








 `npx codemod@latest nuxt/4/migration-recipe`

 [danielroe/roe.dev/pull/1408](https://github.com/danielroe/roe.dev/pull/1408)

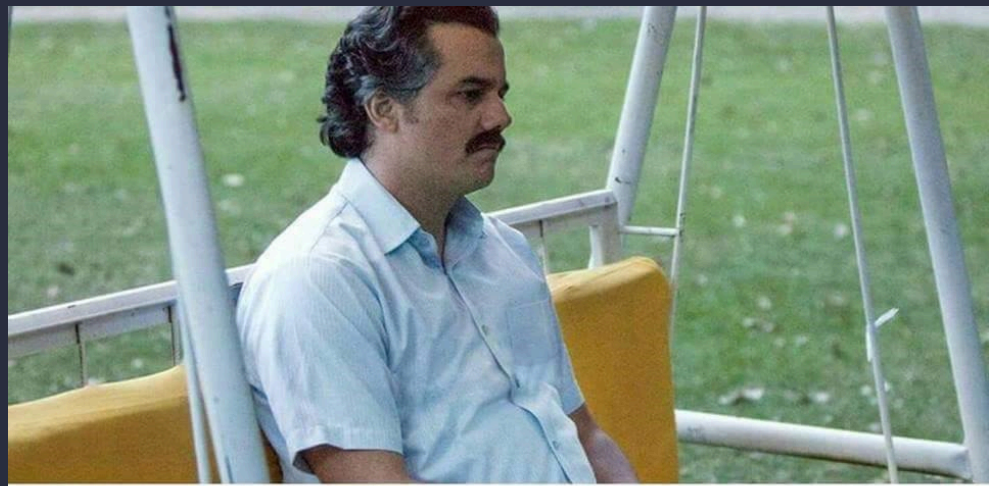
```
# start a new nuxt project using v4-compatible template
```

```
npx nuxi@latest init -t v4-compatible nuxt-app
```

## what's coming next?

- ✦  environment API for vite/nitro
- ✦  reworking of typed fetch
- ✦  multi-app support
- ✦  component cache
- ✦  parallel island rendering
- ✦  service worker layer
- ✦  nuxt a11y

when will nuxt 4 be out?



# when will nuxt 4 be out?

unjs releases

- ✦ ⚡ nitro v2.10: structure changes and features: [unjs/nitro/issues/2522](https://github.com/unjs/nitro/issues/2522)
- ✦ 🍟 jiti v2
  - ▶ native import/resolution support
  - ▶ performance improvements
- ✦ ⚡ h3 v2: [unjs/h3/issues/787](https://github.com/unjs/h3/issues/787)
  - ▶ fully decoupled `event.node`


# when will nuxt 4 be out?

ecosystem migration

- ✦ 🛣️ migrate ecosystem ecosystem to unjs breaking changes (~1 month)
- ✦ 🚦 stabilise, e2e test + update docs (~1 week)
- ✦ 🏠 final v3 nitro release
- ✦ 🏁 final v4 nuxt release



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## Interested ... ?

- ◆ check out the docs on [nuxt.com](https://nuxt.com) and [nitro.unjs.io](https://nitro.unjs.io)
- ◆ follow [@nuxt\\_js](https://twitter.com/nuxt_js) on Twitter or [@nuxt@webtoo.ls](https://mastodon.social/@nuxt@webtoo.ls) on Mastodon
- ◆ join [chat.nuxt.dev](https://chat.nuxt.dev) to discuss
- ◆ and a final offer 🙏

[roe.dev/chat](https://roe.dev/chat)



