

Welcome to `gatsby@3.5.0` release (May 2021 #1)

Key highlights of this release:

- [Performance improvements](#) - up to 20% faster CLI startup, up to 20% faster query running, 70% speedup to creating pages
- [gatsby-graphql-source-toolkit v2](#) - Compatibility with Gatsby v3
- [New SSR in Develop overlay](#) - the experimental SSR in Develop feature got a new overlay
- [Documentation updates](#) - new docs: Functions, CSS, and our image plugins

Also check out [notable bugfixes](#).

Bleeding Edge: Want to try new features as soon as possible? Install `gatsby@next` and let us know if you have any [issues](#).

[Previous release notes](#)

[Full changelog](#)

Performance Improvements

We're always working hard on making Gatsby faster. In this release we shipped three improvements:

- Speedup CLI startup by lazily requiring some modules. [PR #31134](#)
- Create page object & `SitePage` node in same action creator. In our synthetic [create-pages](#) benchmark (for 100K pages) this reduced the `createPages` activity from 16s to 4.5s (70% drop) and peak RSS memory from 1.4gb to 0.7gb (50% drop). [PR #31104](#)
- Up to ~20% improvement to running queries by switching to a faster queue library ([fastq](#)). The improvements are most noticeable if you use the fastest query filters (e.g. `eq` filter on the `id` property) and don't do CPU intensive work in query running e.g. process markdown or MDX. [PR #31269](#)

gatsby-graphql-source-toolkit v2

The [gatsby-graphql-source-toolkit](#) simplifies data sourcing from remote GraphQL APIs into Gatsby. While it's not a source plugin by itself, it helps you writing custom GraphQL source plugins by providing a set of convenience tools and conventions. [Craft CMS](#) or [GraphCMS](#) use it for their source plugins.

The bump to a new major version ensures compatibility with `gatsby@^3.0.0`. No breaking changes were in this release.

New SSR in Develop overlay

Previously the error overlay (when the page didn't successfully SSR) consisted out of a HTML page served by express. But that wasn't tied into our already existing [Fast Refresh](#) overlay we use throughout Gatsby. The information on the page stays the same but it now has the look & feel of all our other errors:

Failed to server render (SSR)
src/pages/index.js

Open in editor

React Components in Gatsby must render both successfully in the browser and in a Node.js environment. When we tried to render your page component in Node.js, it errored.

Source

```
6 | <title>Home Page</title>
7 | <h1>Index Page</h1>
> 8 | <p>{window.location.pathname}</p>
   |      ^
9 |   {/* <p>{window.location.pathname}</p> */}
10 | </main>
11 | )
```

See our docs page for more info on SSR errors: [Debugging HTML Builds](#)

If you fixed the error, saved your file, and want to retry server rendering this page, please reload the page.

Reload page

Skip SSR

If you don't wish to fix the SSR error at the moment, press the button below to reload the page without attempting to do SSR.

Skip SSR

Note: This error will show up during "gatsby build" so it must be fixed before then. SSR errors in module scope, e.g. outside of your own React components can't be skipped.

Documentation Updates

- [New Functions docs](#) — [PR #31066](#)
- [New top-level CSS doc](#) - [PR #31138](#)
- [Architecture of Gatsby's image plugins](#) - [PR #31096](#)
- If you're maintaining a plugin, please subscribe to [this GitHub discussion](#) to receive information about changes that may require updates to the plugins you maintain

Notable bugfixes & improvements

- Fix support of theme shadowing in monorepo [PR #30435](#)
- Fix scroll restoration for layout components [PR #26861](#)
- `gatsby-plugin-mdx` : make HMR work again for MDX [PR #31288](#)
- `gatsby-plugin-preact` : enable error-overlay [PR #30613](#)
- `gatsby-plugin-sitemap` : allow writing sitemap to the root of the public folder [PR #31130](#)
- `gatsby-transformer-remark` : restore support for footnotes [PR #31019](#)
- Add `ImageDataLike` as an exported type of `gatsby-plugin-image` [PR #30590](#)
- Update the public plugin API types [PR #30819](#)

Contributors

A big **Thank You** to [our community who contributed](#) to this release 💙

- [micha149](#): fix(gatsby-react-router-scroll): scroll restoration for layout components [PR #26861](#)
- [hoobdeebbla](#): chore(renovate): update typescript as its own group [PR #30909](#)
- [P177](#): fix(docs): replace invalid style prop with emotion css prop in tutorial [PR #31062](#)
- [fshowalter](#): fix(gatsby-transformer-remark): Activate footnotes by default & remove included options with remark v13 [PR #31019](#)
- [axe312ger](#)
 - test(e2e-contentful): add schema.sql for comparison with later updates [PR #31074](#)
 - fix(gatsby): upgrade css-minimizer-webpack-plugin to v2 [PR #31176](#)
- [joshua-isaac](#): chore(docs): Update sourcing from agility cms [PR #30966](#)
- [Auspicus](#): fix(gatsby-source-drupal): remove computed fields before running createNode on existing node [PR #28682](#)
- [mjameswh](#): fix(webpack-theme-component-shadowing): Support shadowing in yarn-style workspaces with Webpack 5 [PR #30435](#)
- [ben-xD](#): Update Cloudflare Workers Sites deployment documentation [PR #31173](#)
- [pedrolamas](#): Allows sitemap output on root of public folder [PR #31130](#)
- [nrandell](#): Don't remove gatsby-source-filesystem [PR #31069](#)
- [ridem](#): fix(gatsby-plugin-netlify-cms): Fix typo in semver [PR #31177](#)
- [benomatis](#): chore(docs): GATSBY_ACTIVE_ENV is undefined by default [PR #31136](#)
- [donno2048](#): chore: Fix grammar error in README [PR #31186](#)
- [junaidilyas](#): fix(gatsby): add generic type to GatsbyFunctionResponse [PR #31182](#)
- [MorrisonCole](#): fix(gatsby-plugin-image): add @babel/core peer dependency [PR #31188](#)
- [kimbaudi](#): fix(gatsby): rehydration issue in Dev404Page with DEV_SSR [PR #30581](#)
- [FlxAlbroscheit](#): docs: Updates file name suggestion in babel.md [PR #31198](#)
- [dev-szymon](#): added breakpoints to sharp_attributes set in babel-helpers [PR #30451](#)
- [tobyglei](#): chore(docs): Update 21yunbox guide [PR #28848](#)
- [pypg](#): chore(docs): Update sourcing-from-prismic [PR #29237](#)
- [gabo2192](#): docs: Update example to apollo-client v3 [PR #29737](#)
- [Js-Brecht](#): fix(gatsby): update plugin api types [PR #30819](#)
- [cobraz](#): feat(gatsby-plugin-image): Export ImageDataLike type [PR #30590](#)
- [Hannah-goodridge](#): chore(docs): Update MDX frontmatter for programmatic pages [PR #29798](#)
- [alowdon](#): chore(docs): Update "Adding Search with Algolia" guide [PR #29460](#)
- [YehudaKremer](#): fix(gatsby-plugin-image): print error details [PR #30417](#)
- [kelvindcosta](#): docs(gatsby-plugin-image): Add docs for customizing default options [PR #30344](#)

