

Welcome to `gatsby@2.32.0` release (February 2021 #1)

Key highlights of this release:

- [Stable API in beta image plugin](#)
- [Support for beta image plugin in Contentful](#)
- [Default sharp settings in beta image plugin](#)
- [Support for art direction in beta image plugin](#)
- [Performance improvements for larger sites \(10000+ pages\)](#)

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](#)

Stable API in beta image plugin

With this release, [the API for gatsby-plugin-image](#) can be considered stable. We do not expect any breaking changes to be made before general release, upcoming work will focus on bugfixes and minor updates. You can start to [migrate your sites to use the new plugin](#), and benefit from the improved performance, new components, and cleaner API.

Support for beta image plugin in Contentful

This release includes initial support for the beta image plugin in `gatsby-source-contentful`. This adds a new `gatsbyImageData` resolver to ContentfulAsset nodes, allowing you to use the new image components with your Contentful data. This is a first release and does not yet have proper documentation, but please try it out and report back in [the gatsby-plugin-image RFC](#).

Default sharp settings in beta image plugin

Do you always want to generate AVIF images? Should your hero image breakpoints support 8K monitors? Until now you needed to pass [the relevant options](#) for every image. This release adds support for default options, meaning you can set most options once in `gatsby-config` and they will apply by default to both dynamic and static images. Add a `defaults` object to your `gatsby-plugin-sharp` config, and pass it any valid option. Note that sizing options, e.g. width and height, are not supported as they're image specific.

Support for art direction in beta image plugin

Art direction is a browser feature that allows you to specify different images to be displayed at different screen sizes. This is different from responsive images, which provides different image resolutions. Until now this feature has been missing in the new image plugin, but this release adds a new `useArtDirection` hook, which allows you to art direct your images. It does not have full docs, but see [the PR](#) for more information and a video featuring a pug in a raincoat.

Performance improvements for larger sites (10000+ pages)

We landed two PRs that improve build performance for larger sites.

- <https://github.com/gatsbyjs/gatsby/pull/29240>
- <https://github.com/gatsbyjs/gatsby/pull/29219>

On our [minimal benchmark site](#), these improved build times by ~15% for a 10,000 page site and 30% for a 100,000 page site!

Notable bugfixes

- gatsby-plugin-sharp: The `failOnError` is correctly passed to sharp, allowing the build to proceed when there are corrupt images, via [PR #29254](#)
- gatsby-plugin-sharp: Fixes a bug that caused build failures on Windows when generating traced SVGs, via [PR #29246](#)
- gatsby-plugin-manifest: Fixes to plugin options validation, via [PR #29242](#) and [PR 29193](#)
- gatsby-source-contentful: Correctly handle env-specific API key validation, via [PR 29228](#)
- babel-plugin-remove-graphql-queries: Make sure imports are POSIX-compliant, via [PR #29144](#)

Contributors

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

- [nathanchu](#)
 - chore(docs): Fix grammar in add-404-page [PR #29079](#)
 - fix(gatsby-plugin-styled-components): add `namespace` option [PR #29095](#)
- [Grsmto](#): fix(gatsby-plugin-image): pass down missing sizes attribute to `<sources>` [PR #29092](#)
- [StefanSelfTaught](#): Update creating-a-local-plugin.md [PR #28072](#)
- [Simply007](#): Update plugin option schema validation code sample [PR #28904](#)
- [ediblecode](#): fix(gatsby): Add missing prev location TS property for RouteUpdateArgs [PR #29125](#)
- [k4y4k](#): docs: fix a small typo [PR #29117](#)
- [Himanshu-27](#): chore(docs): Netlify CMS added branch to backend settings [PR #29162](#)
- [mottox2](#): docs: fix broken link [PR #29163](#)
- [yonatanLehman](#): chore(docs): Update debugging-the-build-process [PR #29067](#)
- [alexleventer](#): chore(docs): Add cassandra to list of database sources [PR #29137](#)
- [johanneswuerbach](#): fix: sync crash with error response [PR #29212](#)
- [jeverson](#): chore(docs): Update TypeScript Unit Testing Docs [PR #29227](#)
- [domvo](#) fix(gatsby-plugin-sharp): make sure to pass the failOnError option to base64 generation [PR #29254](#)