Decoupling Drupal and the integration with Gatsby

- Gautam Das

About Me

- Working at Genero as a Drupal Developer
- Drupaler for the last 6 years
- Backend tasks for multiple clients and projects.
- Acquia certified Drupal 7 and Drupal 8 developer

Agenda

1. What is decoupled Drupal.
2. Gatsby (React based static site generator)
3. Integrating Drupal with Gatsby

Decoupling Drupal

Decoupling is often a means to enable creating content once and displaying on multiple platforms.

Drupal is used only as a content management system without the presentation layer.

There are no templates and themes, there is only content and admin UI.

Drupal exposes the API for other applications to consume.

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Gatsby

What's Gatsby

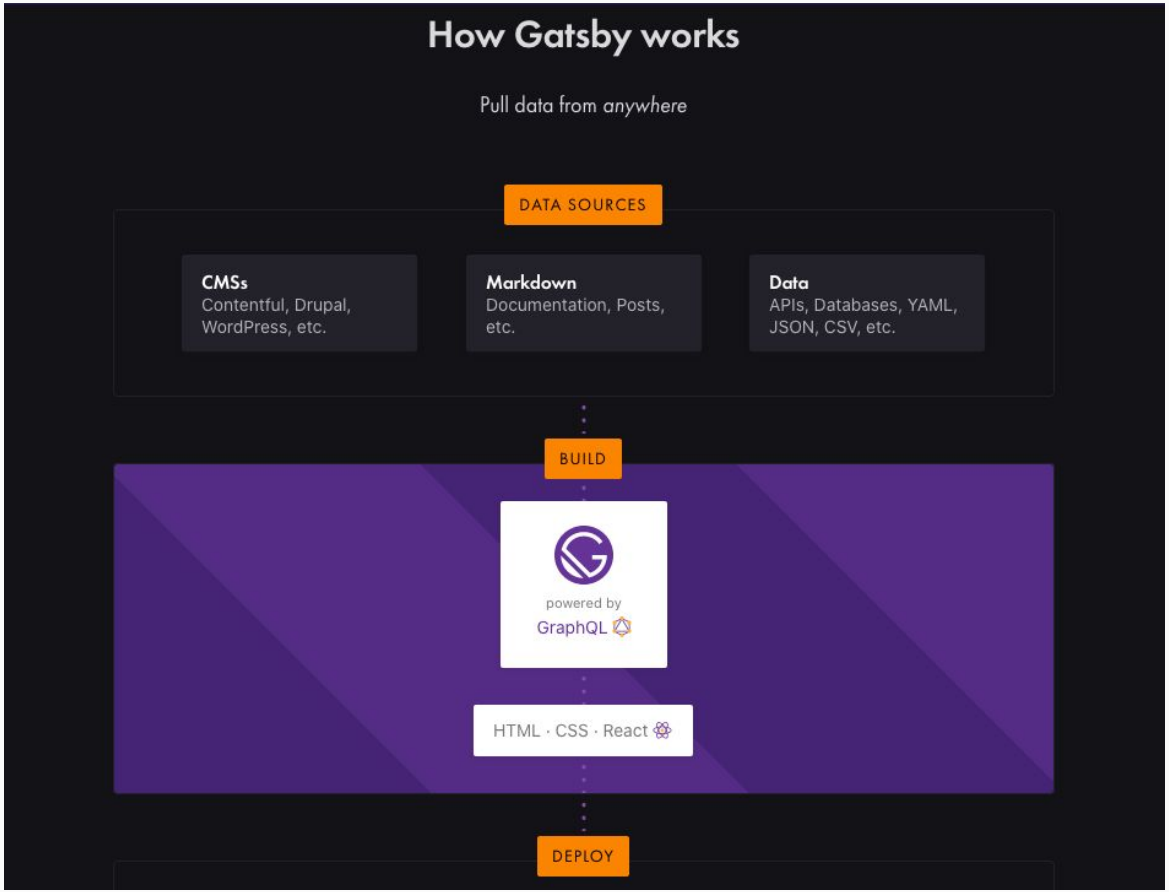
Gatsby is a React-based, GraphQL powered, static site generator.

You code and develop your site, Gatsby transforms it into a directory with a single HTML file and your static assets.

Gatsby collects data from wherever it may be: Markdown, JSON, CMS, third party APIs, anywhere!

The second reason it’s special is the richness of the Gatsby ecosystem. Gatsby has not been around for too long, but already boasts great documentation, and a number of starters to help you get a site up quickly

From: https://www.gatsbyjs.org/



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Drupal + Gatsby

Modules

Drupal core modules and couple of contributed modules JSON API Extras provides some extra features.

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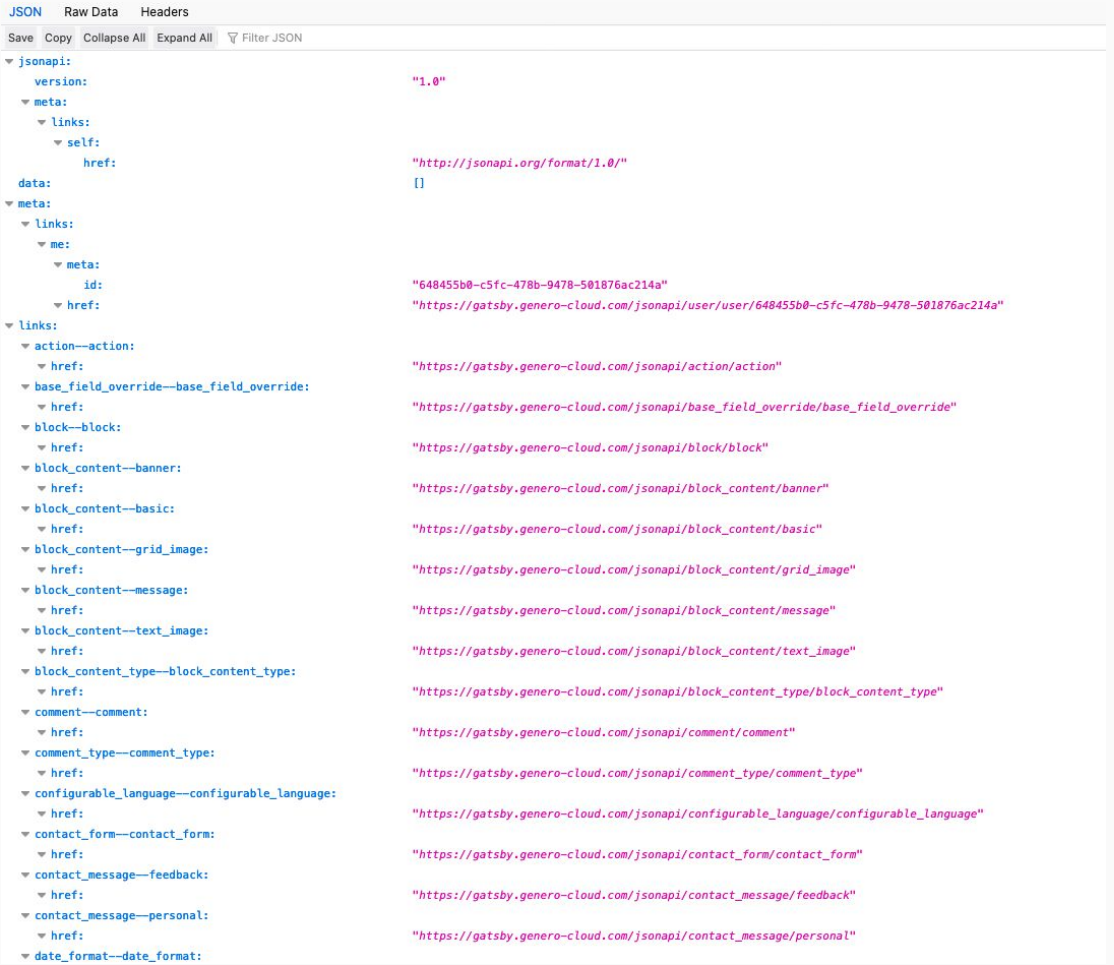
JSON Data

After enabling the modules the output which will be available.



Integrating

Requires a gatsby plugin to integrate with Drupal

gatsby-config.js

```
module.exports = {
  siteMetadata: {
    title: `DEN`,
    description: `DEN 2019.`,
    author: `@den`,
  },
  plugins: [
    `gatsby-plugin-react-helmet`,
    `gatsby-plugin-sass`,
    `gatsby-plugin-catch-links`,
    {
      resolve: `gatsby-source-filesystem`,
      options: {
        name: `images`,
        path: `${__dirname}/src/images`,
      },
    },
    `gatsby-transformer-sharp`,
    `gatsby-plugin-sharp`,
    `gatsby-image`,
    {
      resolve: `gatsby-plugin-manifest`,
      options: {
        name: `gatsby-starter-default`,
        short_name: `starter`,
        start_url: `/`,
        background_color: `#663399`,
        theme_color: `#663399`,
        display: `minimal-ui`,
        icon: `src/images/favicon.png`, // This path is relative to the root of the site.
      },
    },
    {
      resolve: `gatsby-source-drupal`,
      options: {
        baseUrl: `https://den-2019-drupal.com/`,
        apiBase: `jsonapi`
      }
    },
    // this (optional) plugin enables Progressive Web App + Offline functionality
    // To learn more, visit: https://gatsby.dev/offline
    // `gatsby-plugin-offline`,
  ],
}
```

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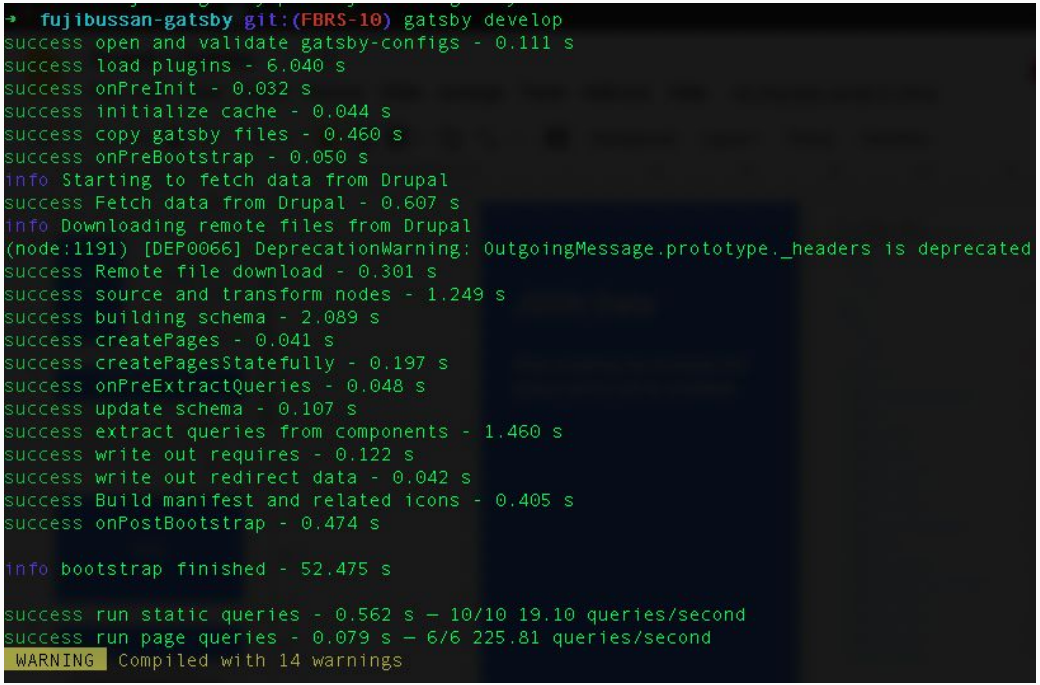
Gatsby CLI

- gatsby develop
- gatsby build



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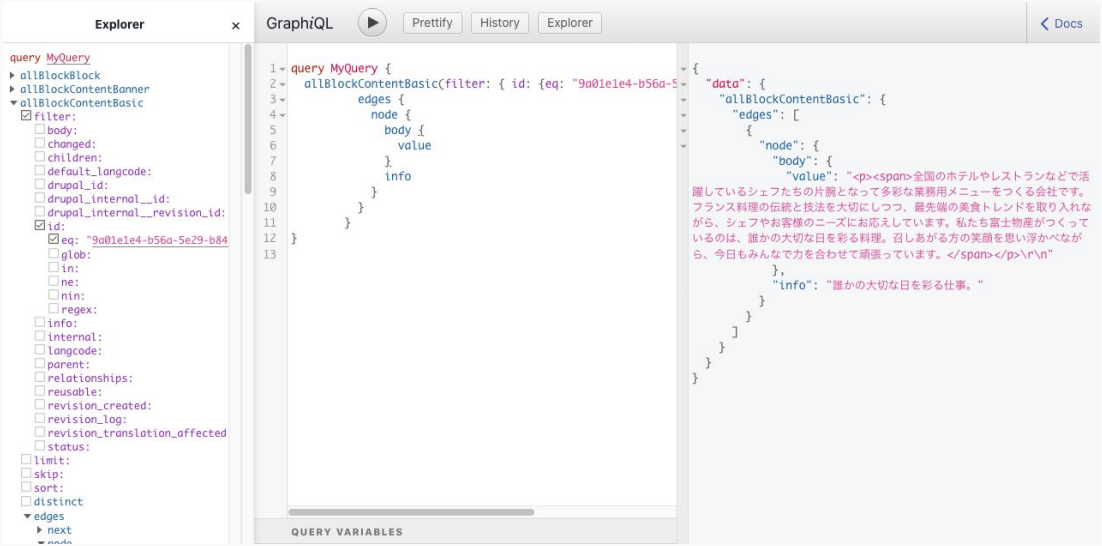
GraphQL

Use GraphQL to query drupal and data and use to build pages.



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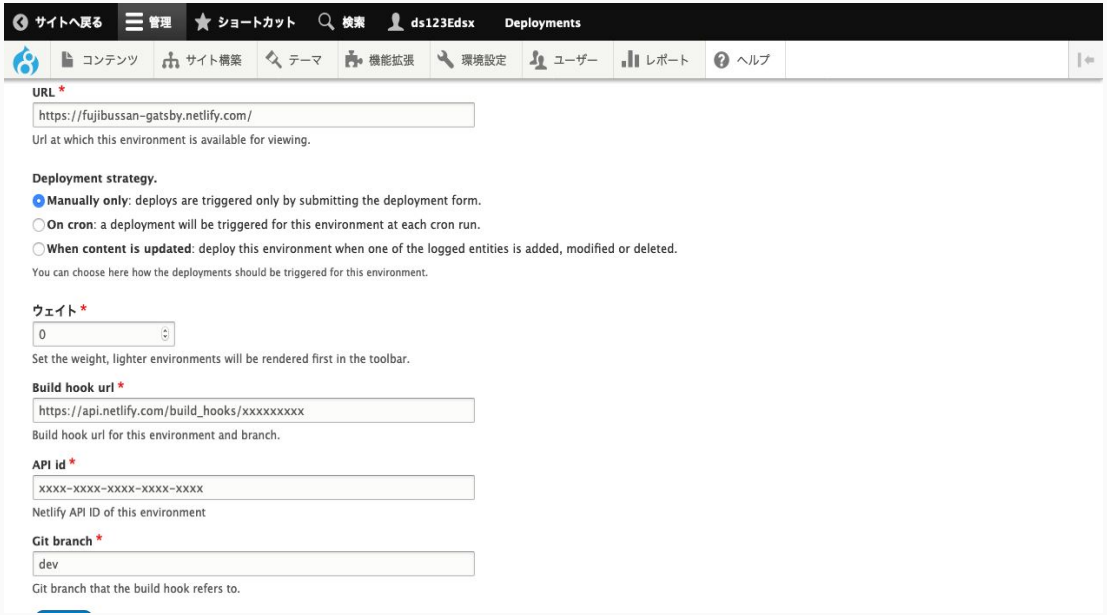
Automated Deployments

Using Build hook modules



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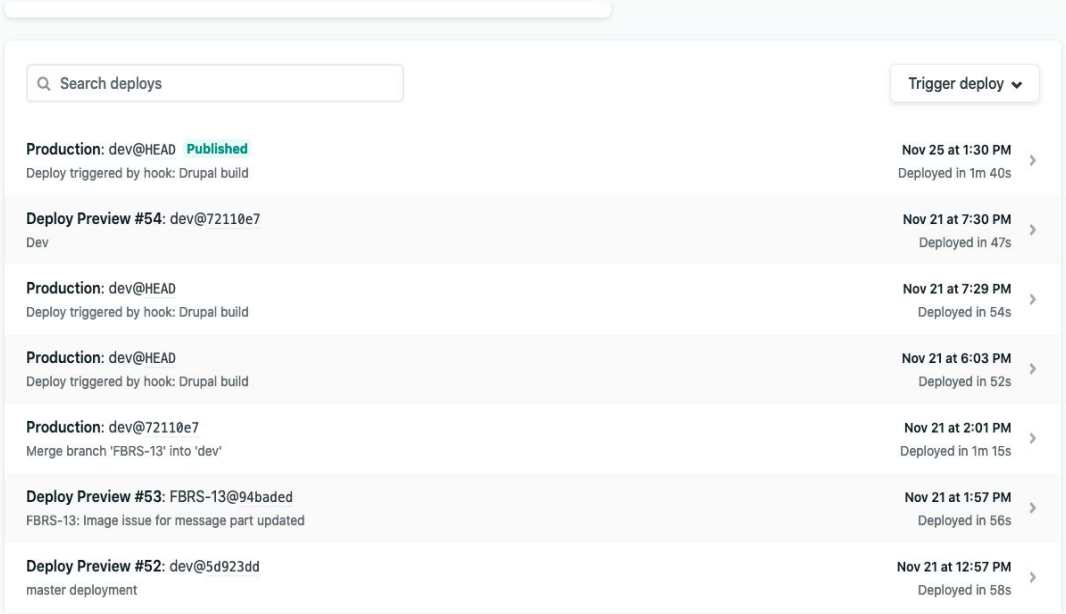
Netlify



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Conclusion

Together, Gatsby and Drupal form a powerful combination that makes an excellent case for decoupling your next project.

Questions ?

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