

Full Static with Nuxt



NUXTJS



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Experts



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Nuxt Benefits

Automatic Components

Vue components in Markdown

Live preview in static mode

Regenerate only your content

Why Static?

No server: cheaper, safer

Better offline support

Better performance

Reduces Carbon footprint

But Static is *very* Static

Or is it?

Is static *really* static?

API's

Forms

CMS

Auth

e-commerce

Headless CMS

Contentful

CraftCMS

Storyblok

Sanity

Wordpress

Content Module

Add .md files in a content folder

Fetch your content with queries (where, only, sortBy)

Vue components in your .md files

Full text search

Previous and Next

Content Module

The image shows a development environment with three main panels:

- Left Panel (File Explorer):** Shows the project structure. The 'pages' directory is expanded, showing a file named `_slug.vue`.
- Middle Panel (Code Editor):** Displays the code for `_slug.vue`. The `<nuxt-content :document="doc" />` tag is highlighted in yellow. Below it, the `export default` block contains an `async asyncData` function that fetches content from a database based on the slug.
- Right Panel (Browser):** Shows the rendered output of the page at `localhost:3000`. The text `Hello @nuxtjs/content!` is displayed in a large, bold, black font.

```
<template>
  <nuxt-content :document="doc" />
</template>

<script>
export default {
  async asyncData({ $content, params }) {
    const doc = await $content(params.slug || 'index').fetch()

    return { doc }
  }
}
</script>
```

localhost:3000

Hello @nuxtjs/content!

Nuxt Crawler

Dynamic routes are automatically generated

Not just for blogs

Data

CONFERENCES

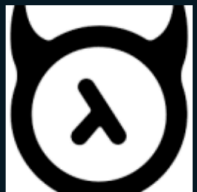
All

Speaker

Lightening Talk

MC

Attendee



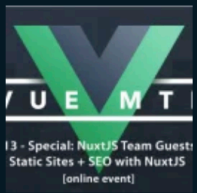
24

June
2020

HasuraConf Virtual

Going static in a dynamic world with Nuxt and Haura

Speaker



16

June
2020

Vue Montreal Virtual

Full static with Nuxt.js

speaker



12

May
2020

Dev Around The Sun Virtual

Static Sites === great performance

Speaker



Get realtime GraphQL APIs *instantly*


Hasura is an [open source](#) engine that connects to your databases & microservices and auto-generates a production-ready GraphQL backend.






Add a new table

The screenshot shows the Hasura GraphQL console interface for adding a new table. The top navigation bar includes the Hasura logo and version (v1.0.0), and menu items for GRAPHQL, DATA (highlighted), REMOTE SCHEMAS, and EVENTS. A security warning 'SECURE YOUR ENDPOINT' is visible on the right. The left sidebar shows the 'public' schema selected, a search bar for tables/views/functions, and a list of existing tables: 'conferences' and 'workshops'. The main area is titled 'Add a new table' and contains the following form fields:

- Table Name:** A text input field containing 'table_name'.
- Columns:** A section with three input fields: 'column_name', 'column_type' (with a dropdown arrow), and 'default_value'. To the right are two checkboxes: 'Nullable' and 'Unique', both currently unchecked.
- Primary Key:** A section with a dropdown menu currently showing '-- select --'.

Browse, Modify, Delete



 **HASURA** v1.2.1

 GRAPHIQL  **DATA**  ACTIONS  REMOTE SCHEMAS  EVENTS

Schema:

Search table/view/function

Tables (2)

-  conferences
-  workshops

SQL

You are here: [Data](#) > [Schema](#) > [public](#) > [conferences](#) > Browse Rows

conferences

































Filter

-- column -- -- op -- -- value --

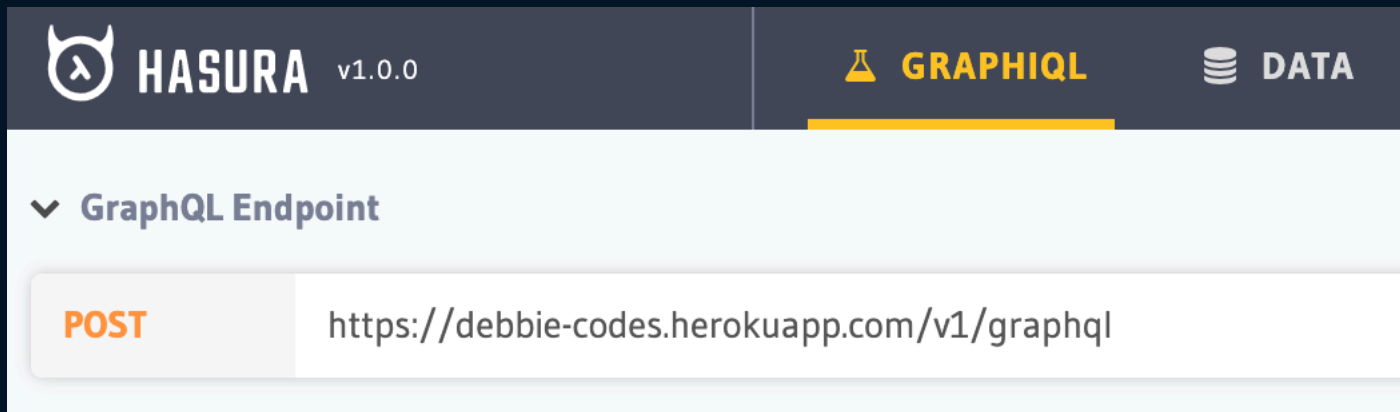
Sort

date Desc

-- column -- --

	<input type="checkbox"/>	<input type="text" value="id"/>	<input type="text" value="name"/>	<input type="text" value="place"/>	<input type="text" value="date"/>	<input type="text" value="url"/>
   	<input type="checkbox"/>	35	HasuraConf		2020-06-24	https://hasura.io/events/hasura-con-2020/
   	<input type="checkbox"/>	36	Vue Montreal		2020-06-16	https://www.meetup.com/Vue-js-Montreal/events/270995442/
   	<input type="checkbox"/>	32	Dev Around The Sun		2020-05-12	https://devaroundthesun.org/
   	<input type="checkbox"/>	34	Vue Zurich Meetup	Virtual	2020-05-11	https://www.meetup.com/vue_zurich/events/270195605/
   	<input type="checkbox"/>	31	JSVidCon		2020-05-07	https://jsvidcon.com/
   	<input type="checkbox"/>	30	MagnoliaJS Conference	Remote	2020-04-16	https://magnoliajs.com/
   	<input type="checkbox"/>	29	BuildStuff Virtual Meetup	Remote	2020-04-09	https://www.buildstuff.events/meetups
   	<input type="checkbox"/>	25	Switzerland Meetup	Remote	2020-04-07	https://particular.zoom.us/webinar/register/8115840413004/WN_BSGi3BQPQdY73ixEs0MqA

GraphQL Endpoint



The screenshot shows the Hasura v1.0.0 interface. At the top, there are three tabs: 'HASURA v1.0.0' (with a cat logo), 'GRAPHIQL' (with a flask icon), and 'DATA' (with a database icon). The 'GRAPHIQL' tab is selected and highlighted with a yellow underline. Below the tabs, there is a section titled 'GraphQL Endpoint' with a downward arrow. Underneath this section, there is a row representing a configuration entry. The first cell in this row is labeled 'POST' in orange text. The second cell contains the URL 'https://debbie-codes.herokuapp.com/v1/graphql'.

Method	Endpoint
POST	https://debbie-codes.herokuapp.com/v1/graphql

Create a Plugin

```
export default function ({ $http }, inject) {
  const $hasura = $http.create({
    prefixUrl: 'https://debbie-codes.herokuapp.com/v1/graphql'
  })

  inject('hasura', $hasura.$post.bind($hasura, ''))
}
```

Call the GraphQL API

```
async asyncData ({ app }) {  
  const { data } = await app.$hasura({  
    query: print(QUERY)  
  })  
  return {  
    conferences: data.conferences  
  }  
},
```

GraphQL Playground

The screenshot displays the GraphQL Playground interface. On the left, the 'Explorer' panel shows a tree view of the query structure. The main editor contains the following query:

```
1 query MyQuery {  
2   conferences(order_by: {date: desc}) {  
3     date  
4     country  
5     name  
6   }  
7 }  
8
```

Below the query editor is the 'QUERY VARIABLES' section, which is currently empty.

On the right, the JSON response is displayed:

```
{  
  "data": {  
    "conferences": [  
      {  
        "date": "2020-06-24",  
        "country": "Virtual",  
        "name": "HasuraConf"  
      },  
      {  
        "date": "2020-06-16",  
        "country": "Virtual",  
        "name": "Vue Montreal"  
      },  
      {  
        "date": "2020-05-12",  
        "country": "Virtual",  
        "name": "Dev Around The Sun"  
      },  
      {  
        "date": "2020-05-11",  
        "country": "Switzerland",  
        "name": "Vue Zurich Meetup"  
      },  
      {  
        "date": "2020-05-07",  
        "country": "Virtual",  
        "name": "JSVidCon"  
      }  
    ]  
  }  
}
```

Add our Query

```
import gql from 'graphql-tag'
import { print } from 'graphql/language/printer'

const QUERY = gql`
  query {
    conferences(order_by: { date: desc }) {
      date
      country
      name
    }
  }
`
```

Call the Static Folder

Request URL: `https://debbie.codes/_nuxt/static/1592051970/conferences/payload.js`

Preview Changes



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Static Sites === great performance



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Vue Zurich Meetup Virtual, Switzerland

Static Sites === great performance



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May
2020

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JSVidCon Virtual

Static Sites === great performance

Elements Console Sources **Network** Performance Memory Application >>

Preserve log Disable cache Online

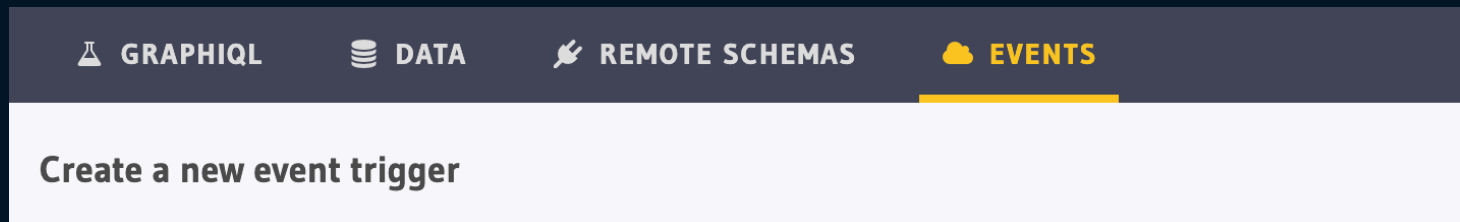
Filter Hide data URLs All XHR JS CSS Img Media Font Doc WS Manifest Other

Has blocked cookies Blocked Requests

Name	Status	Type	Initiator	Size	Time	Waterfall
<input type="checkbox"/> conferences/	200	fetch	workbox-core.pro...	9.9 kB	52 ms	
<input type="checkbox"/> runtime.86677b2.js	200	fetch	workbox-core.pro...	1.6 kB	60 ms	
<input type="checkbox"/> commons.app.da7db99.js	200	fetch	workbox-core.pro...	66.8 kB	166 ms	
<input type="checkbox"/> vendors.app.5af6ddf.js	200	fetch	workbox-core.pro...	25.8 kB	213 ms	
<input type="checkbox"/> app.fa77eb2.js	200	fetch	workbox-core.pro...	26.0 kB	221 ms	
<input type="checkbox"/> index.818beef.js	200	fetch	workbox-core.pro...	2.2 kB	64 ms	
<input type="checkbox"/> index.e988f46.js	200	fetch	workbox-core.pro...	33.4 kB	274 ms	
<input type="checkbox"/> state.js	200	fetch	workbox-core.pro...	518 B	274 ms	
<input type="checkbox"/> payload.js	200	fetch	workbox-core.pro...	2.7 kB	274 ms	
<input type="checkbox"/> 26.5adb43a.js	200	fetch	workbox-core.pro...	1.7 kB	74 ms	
<input type="checkbox"/> index.3e503f8.js	200	fetch	workbox-core.pro...	909 B	57 ms	
<input type="checkbox"/> payload.js	200	fetch	workbox-core.pro...	868 B	60 ms	
<input type="checkbox"/> icon_64.07b772.png	200	fetch	workbox-core.pro...	9.8 kB	62 ms	

13 / 54 requests | 182 kB / 332 kB transferred | 613 kB / 1.5 MB resources | Finish: 731 ms | **DOMContentLoaded: 418 ms** | Load: 642

Generate on Update



Create your trigger

trigger_name

Schema/Table ?

public Select table

Trigger Operations ?

Insert Update Delete Via console ? [\(Know more\)](#)

Webhook URL ?

URL

Netlify Build Hooks

Build hooks

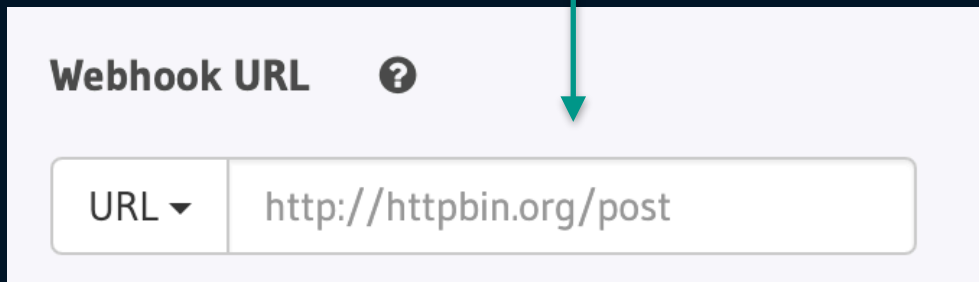
Build hooks give you a unique URL you can use to trigger a build.

Branch to build

[Learn more about build hooks in the docs ↗](#)

Add the URL to Hasura

`https://api.netlify.com/build_hooks/5e4c190828324653346571ad`




Webhook URL ?

URL ▼

Netlify Deploys

Production deploys

Production: master@HEAD **Published**

Feb 18: Deploy triggered by hook: hasura-event-trigger 

Nuxt Static Module

~~Call the **API** on page change~~

Call the **payload** on page change

Nuxt Static Module

You don't have to **expose** your **API** to the public

Decide when to publish **new content** from your API by **re-generating** your content only

Fully static is much **faster**

API calls have latency - always takes longer

Payload files are **cached** and **offline** support with PWA module

Convert to a static site

target: 'static',

nuxt build && nuxt export

SPA inside a Static site

```
generate: {  
  fallback: '404.html', // for netlify  
  exclude: [/booking/]  
}
```

Why Static Sites

Why Static?

No server: cheaper, safer

Better offline support

Better performance

Reduces Carbon footprint

Think Static

Are you
NUXT?

Thank you

Debbie O'Brien



**Head of Learning and
Developer Advocate**

Open Source Contributor

<https://github.com/debs-obrien/nuxt-boilerplate-project>

