



DrupalCon
PRAGUE**2022**
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Drupal - A Tool for JavaScript developers?

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Open Web Community - Drupalcon Prague 2022

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Contributions

- Drupal 8 Entity API & Typed Data API
- Contrib: Lupus CE Renderer, Custom Elements, Rules, Entity API, Field Collection, Profile2

drupal.org/u/fago

@the_real_fago at Twitter





JavaScript Frontends
are popular.



Web framework popularity

A new generation of
web developers.

... how do they relate to Drupal?

Could JavaScript frontend developers be Drupal sitebuilders?



“

Drupal is for ambitious site builders

”

— Dries Buytaert

<https://dri.es/drupal-is-for-ambitious-site-builders>

May 4, 2022

Ambitious sitebuilders ...

- sit in between the developer and content authors
- get a lot of things done by installing and configuring modules & by using Drupal through the UI.
- ~~→ when needed, they can use custom code to make their site exactly how they want it to be~~

They are not proficient in PHP

Customizations by sitebuilders

- Most customizations happen close to the user, in UI
- For decoupled sites this mostly affects the frontend



- Typical needs should require zero-code

JavaScript developer needs

- Configure Drupal as headless CMS
 - ◆ Configurable data model
 - ◆ Great editing experience out of the box
- Quick results
 - ◆ SAAS / Cloud hosting?
 - ◆ Pleasant frontend DX (API?)

Popular CMS options

→ SAAS

- ◆ Contentful
- ◆ Prismic
- ◆ Storyblok
- ◆ Sanity
- ◆ Magnolia
- ◆ ButterCMS
- ◆ ...

→ OpenSource

- ◆ Strapi
- ◆ Directus (& SAAS as well)
- ◆ Tina(& SAAS as well)
- ◆ Cockpit
- ◆ ...



“ Strapi is the leading open-source headless CMS. It’s 100% JavaScript, fully customizable and developer-first. ”

Source: <https://strapi.io>

September, 2022

Build apps fast.

Building self-hosted, customizable, and performant content API has never been easier.



Open Source

Forever. The entire codebase is available on GitHub and maintained by hundreds of contributors.



Customizable

Easily customize the admin panel as well as the API. Extend your content management with custom plugins, in seconds.



RESTful or GraphQL

Consume the API from any client (React, Vue, Angular), mobile apps or even IoT devices, using REST or GraphQL.





Self-hosted

Don't give up on data privacy or lock yourself in. Keep control of your data and your costs at all time.

Headless Drupal ... done fast!

→ Quick results

- ◆ SAAS / One-click setup hosting options 
- ◆ Quick test-drive (DrupalPod, Simplytest.me) 

→ Pleasant frontend DX

- ◆ JSON API (+ extras?)
- ◆ GraphQL (v3, v4, compose)
- ◆ Lupus Custom Elements Renderer (no UI)

Possible hurdle: Config staging

- Is it even wanted? Skip it?
- If so - where to export changes?
 - ◆ It should work without a Drupal localdev env!
- Auto-create PRs from Drupal
 - ◆ https://www.drupal.org/project/config_pr
 - ◆ https://www.drupal.org/project/config_patch

But... How to get started?

- There are plenty of options! (Hosting, APIs, Auth...)

- We have guides!

<https://www.drupal.org/docs/develop/decoupled-drupal>

- but its WIP and leaves more questions than answers



→ <https://www.drupal.org/docs/develop> ?

on windows

Running core development checks (≥ 9.2.x)

Usability testing

Guidelines for conducting and recording usability tests and communicating their results. Also, the findings of previous tests.

Usability testing

Recording a usability test

Drupal usability test results

Communicate the results effectively with the community

Tutorial how-to conduct usability testing

Profiling Drupal

Benchmarking and profiling Drupal.

Benchmarking and profiling Drupal

Dummy content and common gotchas

Apache Bench (ab)

Profiling memory usage

Decoupled Drupal

???

Process and docs for how JavaScript front-ends can render a Drupal menu

What is decoupled

Getting Started Guide (Backend)

Info for Decision makers / evaluators

Decoupled menus

Getting Started Guide (Frontend)

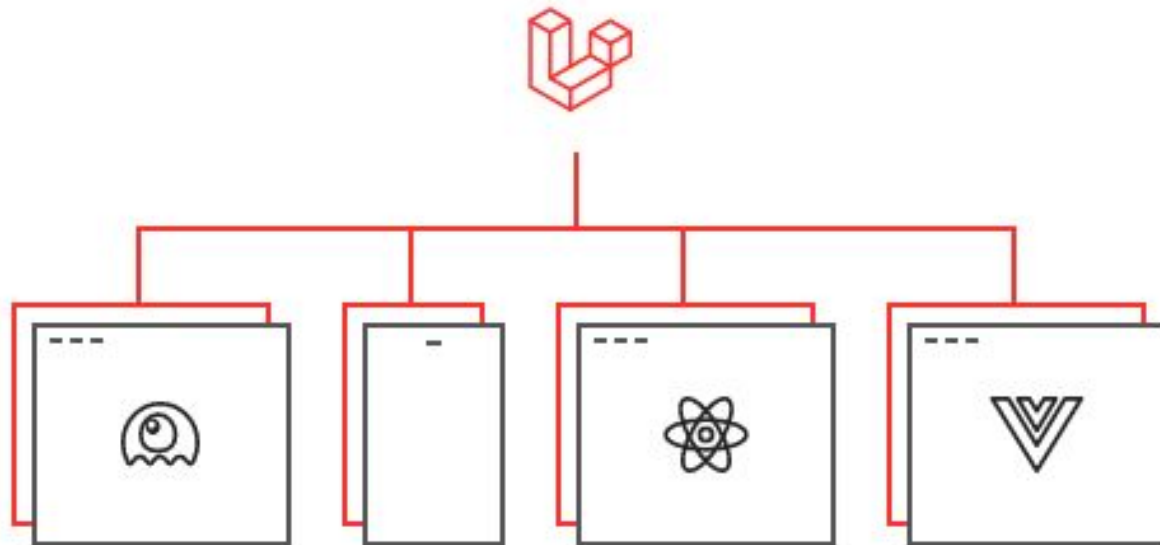
Report as spam

But still... How to get started?

- Promote: Decoupled Drupal Stacks
- We got some.
 - ◆ <https://next-drupal.org>
 - ◆ <https://www.drupal.org/project/gatsby>
 - ◆ https://www.drupal.org/project/lupus_decoupled
 - ◆ <http://druxtjs.org>

Idea: Decoupled Drupal Stacks (2/2)

- Make getting started with stacks easy:
 - ◆ Leverage distribution recipes!
 - ◆ Integrate with project browser
- Promote well-supported stacks
 - ◆ Install-time selection of frontend stacks



Monolith or API — the choice is yours.

Build robust, full-stack applications in PHP using Laravel and [Livewire](#). Love JavaScript? Build a monolithic React or Vue driven frontend by pairing Laravel with [Inertia](#).

Or, let Laravel serve as a robust backend API for your Next.js application, mobile application, or other frontend. Either way, our starter kits will have you productive in minutes.

STARTER KITS



Thank you!

Your thoughts?

Join us for contribution opportunities

20-23 September, 2022
Room C2 + C3

Mentored Contribution

23 September: 09:00 - 18:00
Room C2 + C3

First Time Contributor Workshop

20 September: 17:15 - 18:00
Room D9
21 September: 10:30 - 11:15
Room D9
23 September: 09:00 - 12:30
Room C2

General Contribution

20 - 22 September: 9:00 - 18:00
Room C3
23 September: 9:00 - 18:00
Room C2 + C3

#DrupalContributions

What did you think?

Please fill in this session survey directly from the Mobile App.



Thank you!



We appreciate your **feedback!**
Please take a moment to fill out:

1

the general
conference survey

Flash the QR code

OR

It will be sent by email

2

the **Individual**
session surveys

(located under each session description)