



# Headless WordPress with React



Kumar Abhirup

# @kumar\_abhirup

## Headless WordPress with React



Kumar Abhirup



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kumar.now.sh

# Headless WordPress with React




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**Headless WordPress**


# WordPress without Frontend

UNCATEGORIZED

# Hello world!

 By demo

 November 15, 2019

 1 Comment

Welcome to WordPress. This is your first post. Edit or delete it, then start writing!

 Edit

# Hello world!

Welcome to WordPress. This is your first post. Edit or delete it, then start writing!

 Edit

WordPress

Cloudy Fairy

0

New

Howdy, demo

Dashboard

Home

Updates

Jetpack

Posts

Media

Pages

Comments

Appearance

Plugins

Users

Tools

Settings


Collapse menu

Screen Options

Help

Dashboard

Jetpack



Simplify your site security and performance with Jetpack

Jetpack protects you against brute force attacks and unauthorized logins. Basic protection is always free, while premium plans add unlimited backups of your whole site, spam protection, malware scanning, and automated fixes.

Activate site accelerator tools and watch your page load times decrease—we'll optimize your images and serve them from our own powerful global network of servers, and speed up your mobile site to reduce bandwidth usage.

Set up Jetpack

By clicking the **Set up Jetpack** button, you agree to our [Terms of Service](#) and to [share details](#) with WordPress.com.

At a Glance

1 Post

1 Page

1 Comment

WordPress 5.3 running Twenty Twenty theme.

Quick Draft

Title

Content


# WordPress




- Dashboard
- Home
- Updates
- Jetpack
- Posts
- Media
- Pages
- Comments
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- Users
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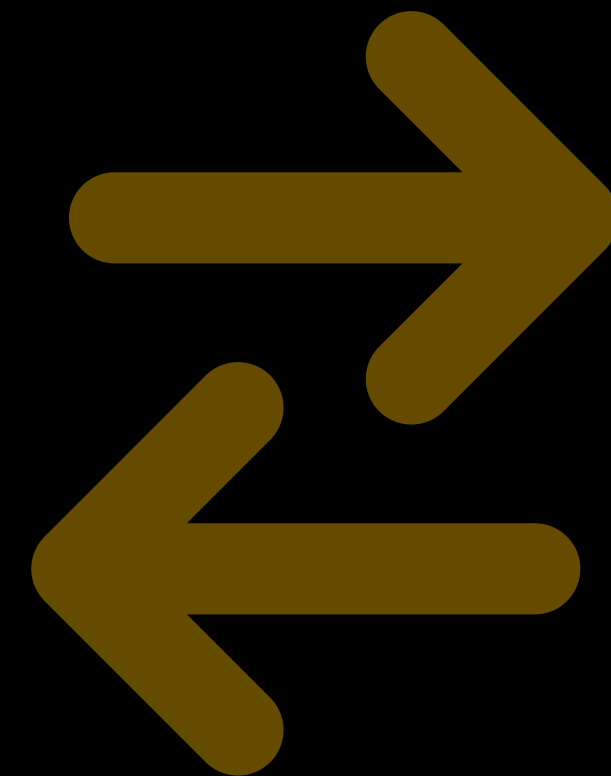


**How it works**

# How it works



**WordPress Backend**

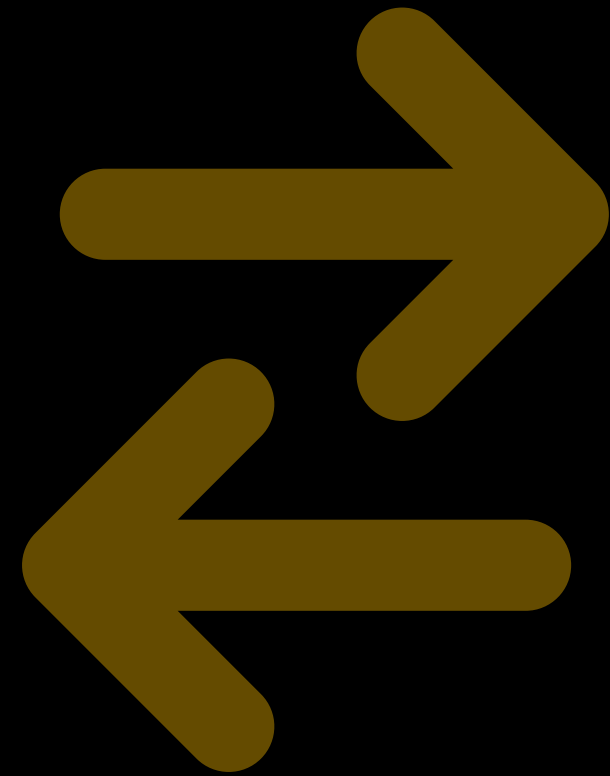


**MySQL Database**

# How it works



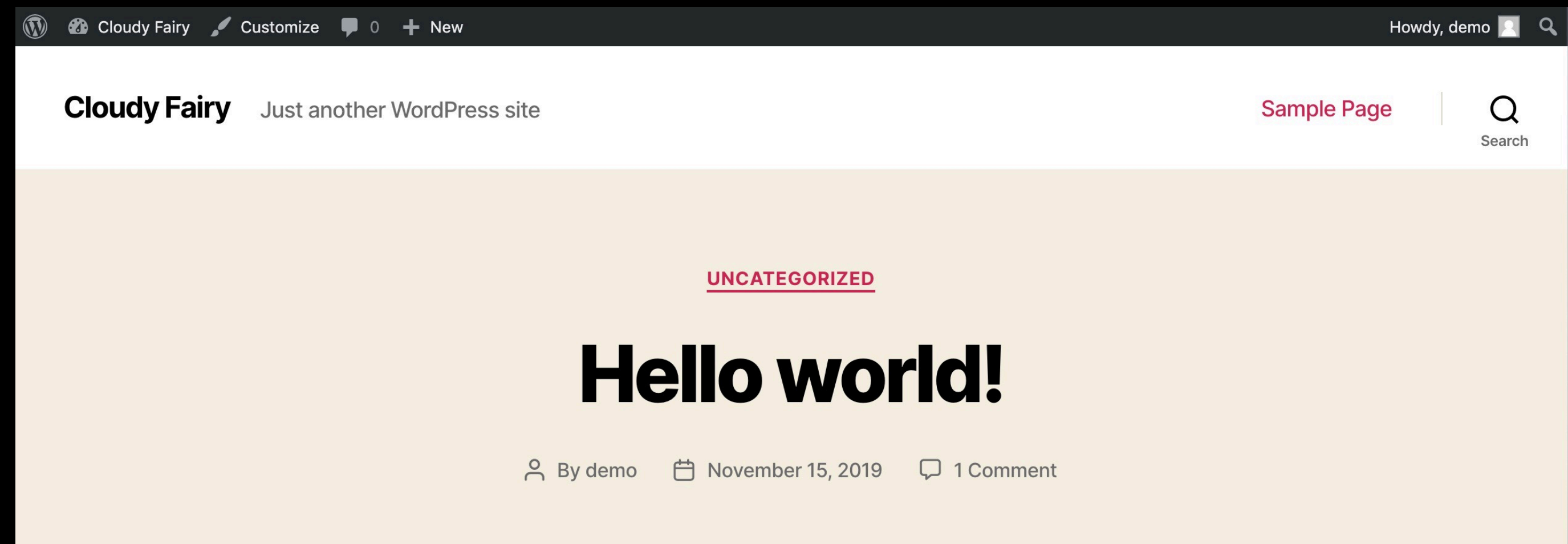
WordPress Backend



MySQL Database



WordPress Frontend



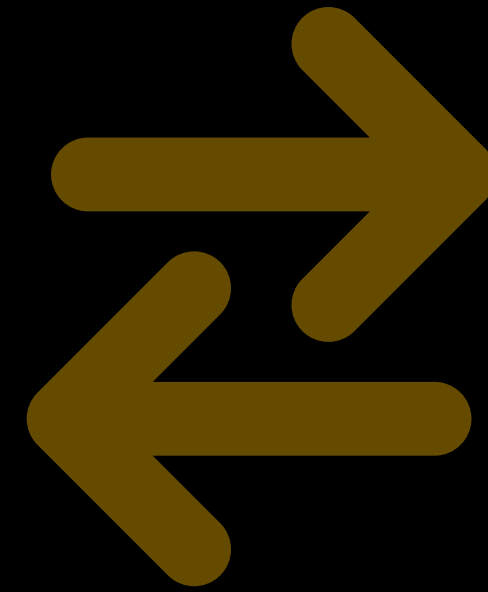
**not Headless!**



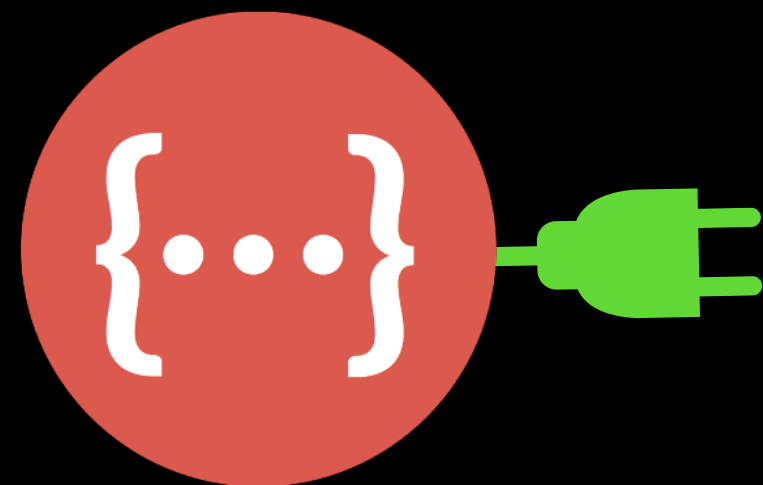
# How it works



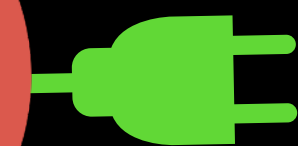
WordPress Backend



MySQL Database



Rest API

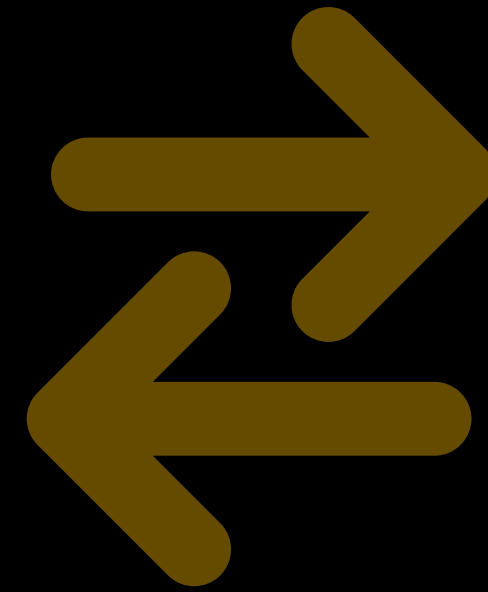


Any Frontend

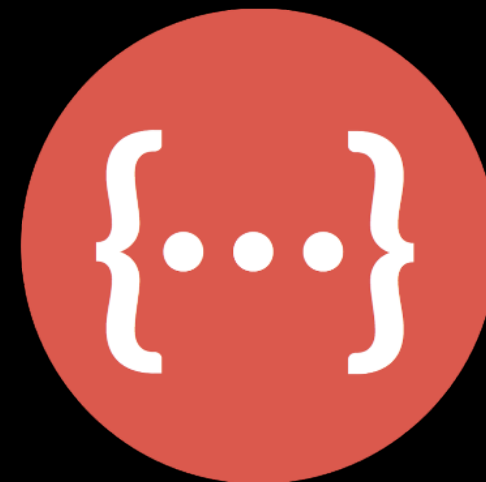
# How it works



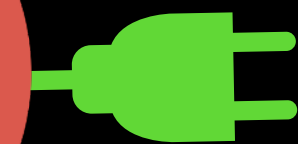
WordPress Backend



MySQL Database



Rest API



React Frontend

# Why Headless?



**#1**

# **Separation of Concerns**

**#2**

**Easier to redesign / Scalable**

**#3**

**Creativity with modern frameworks**



**#4**

**Not all know how to build WP themes.**

**Not all know PHP.**

**#5**

# **Progressive Web App**

# WordPress isn't alone!



**\*And so many more**



**Why WordPress?**



**#1**

**World knows WordPress.**

**Your friend knows WordPress.**

**Your client knows WordPress.**



**You know WordPress.**

**30% of web is WordPress.**

**World knows WordPress.**

**#2**

**Ease of Use**

**#3**

**Well documented API**



**#4**

# **Plugin Ecosystem**

**#5**

**WordPress Community**

#6

WordPress is...  
Free  Open Source

**wp-json**

# wp-json

*GET*

*/wp-json*



# wp-json

*GET*

*/wp-json/wp/v2/posts*

# wp-json

*GET*

*/wp-json/wp/v2/users*

# wp-json

*GET*

*/wp-json/wp/v2/media*

# wp-json

*GET* */wp-json/wp/v2/comments*

# wp-json

*GET*

*/wp-json/wp/v2/tags*



# wp-json

*GET*      */wp-json/wp/v2/categories*

# wp-json

*GET*     */wp-json/wp/v2/categories/1*

# wp-json

*GET* */wp-json/wp/v2/posts/1*

**wp-json**

Authentication

**wp-json**

Pagination

**wp-json**

Custom Post Types



# wp-json

# Custom Post Types

## CPTUI Plugin



Custom Post Type UI  
Create and administer custom post types  
and taxonomies in WordPress.

webdev  
STUDIOS



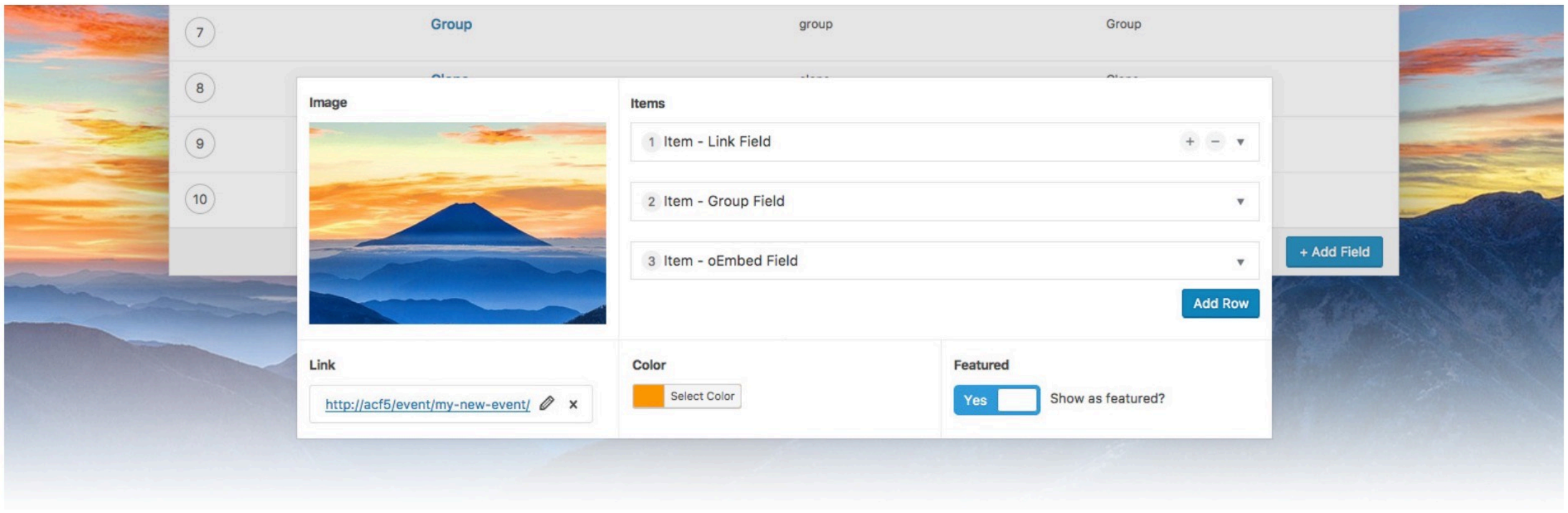
Custom Post Type UI  
By [WebDevStudios](#)

Download

# wp-json

# Custom Post Types

## ACF Plugin



The screenshot displays the ACF plugin's field group configuration interface. On the left, a vertical list of tabs numbered 7 through 10 is visible. The main area shows a field group titled 'Group' with a background image of a mountain at sunset. The configuration includes an 'Image' field with a preview of the same sunset image, a 'Link' field with the URL 'http://acf5/event/my-new-event/' and a 'Color' field with a 'Select Color' button. Below these, there is an 'Items' section with three rows: '1 Item - Link Field', '2 Item - Group Field', and '3 Item - oEmbed Field'. To the right of the 'Items' section is a 'Featured' section with a 'Yes' checkbox and the text 'Show as featured?'. A '+ Add Field' button is located on the right side of the configuration area.

**ACF** Advanced Custom Fields  
By Elliot Condon

Download





WordPress + React = 💪

**DEMO TIME**



**Done with the Demo.**

**Now, what?**



<> Code

🔔 Issues 37

🔗 Pull requests 5

🎬 Actions

🛡 Security

📊 Insights



WordPress + React Starter Kit: Spin up a WordPress-powered React app in one step

<https://postlight.com/labs/wordpress-...>

wordpress

react

nextjs

wordpress-development

headless-wp

graphql-api

rest-api

starter-kit

headless-cms

📶 248 commits

🔗 4 branches

📦 0 packages

🏷 1 release

👤 17 contributors

📄 GPL-2.0

Branch: master ▾

New pull request

Create new file

Upload files

Find file

Clone or download ▾



magidmroueh fix: draft post/page preview (#238) ...

Latest commit d3e821a on 28 Sep

📁 docker	feat: update dependencies (#234)	2 months ago
📁 frontend-graphql	feat: update dependencies (#234)	2 months ago
📁 frontend	fix: draft post/page preview (#238)	2 months ago
📁 wordpress	<a href="#">fix: draft post/page preview (#238)</a>	2 months ago
📄 .env	feat: add migratedb_import script	9 months ago
📄 .gitignore	chore: consolidate wordpress gitignores	10 months ago





# WordPress + React Starter Kit

build failing

**Postlight's** Headless WordPress + React Starter Kit is an automated toolset that will spin up three things:

1. A WordPress backend that serves its data via the [WP REST API](#) and [GraphQL](#).
2. A sample React frontend powered by the [WP GraphQL API](#), which supports posts, pages, categories, menus, search, and user sign-in.
3. Another sample server-side rendered React frontend using [Next.js](#) powered by the WP REST API.

You can read all about it in [this handy introduction](#).

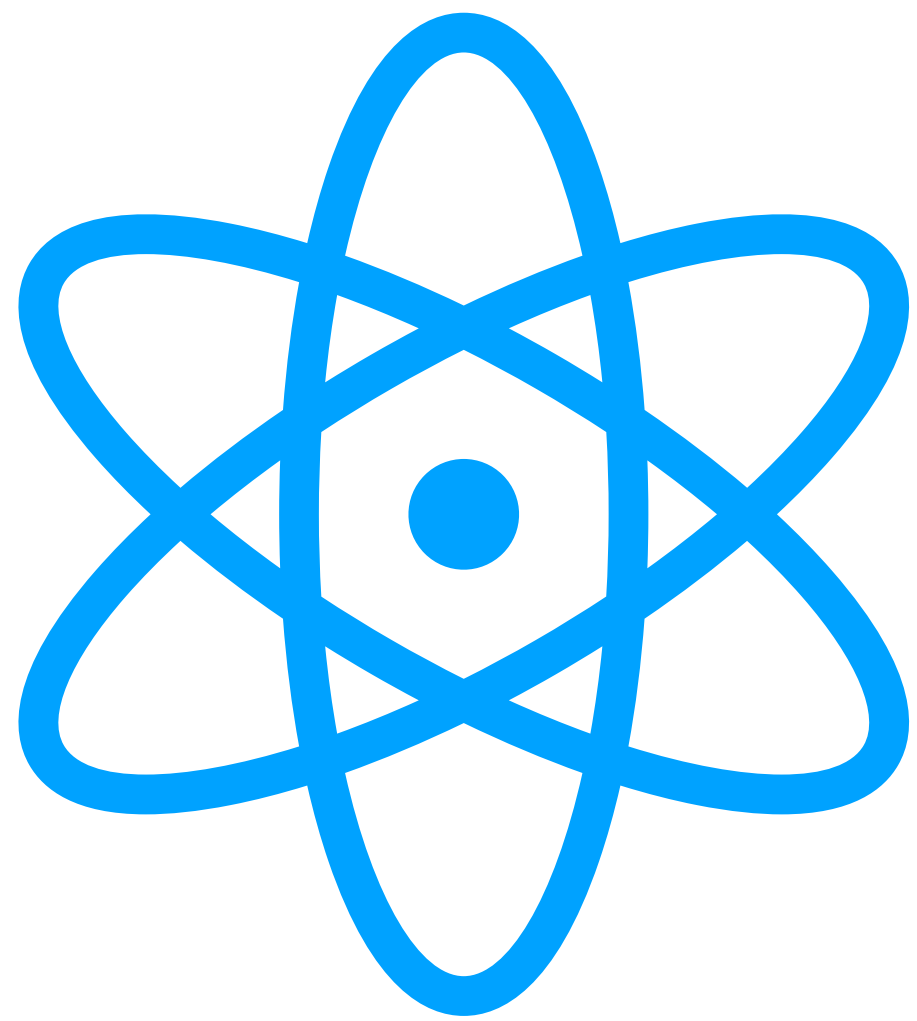
## What's inside:

- An automated installer which bootstraps a core WordPress installation that provides an established, stable

**Create with...**

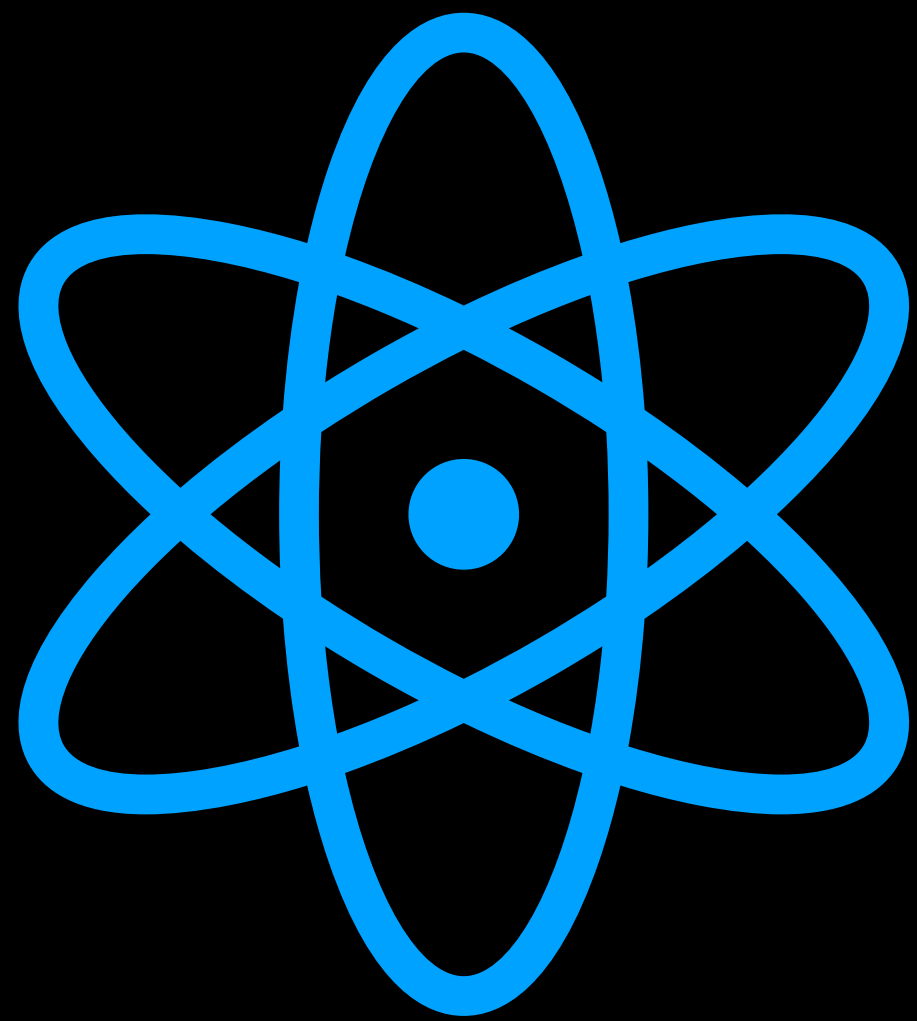


# Create with...



~~NEXT~~.JS

# Create with...



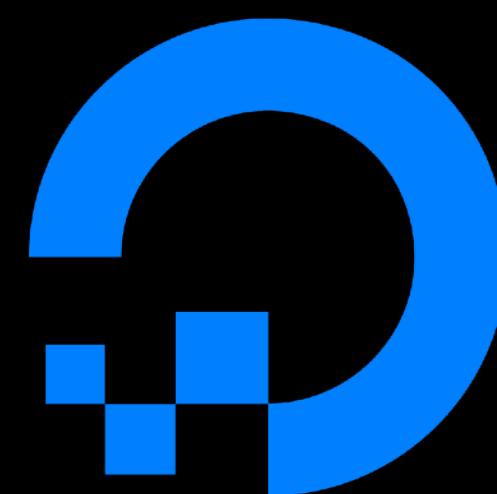
# Deploy 🚀



# Deploy 🚀



Google Cloud



DigitalOcean



That is it,  
folks!

@kumar\_abhirup

github.com/KumarAbhirup

kumar.now.sh