



# Headless WordPress with React



Kumar Abhirup

# @kumar\_abhirup

## Headless WordPress with React



Kumar Abhirup



@kumar\_abhirup

kumar.now.sh

# Headless WordPress with React



Kumar Abhirup

**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

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

 Cloudy Fairy  0  New

Dashboard

Home

Updates

Jetpack

Posts

Media

Pages

Comments

Appearance

Plugins

Users


Tools


Settings

Collapse menu

Dashboard

At a Glance

 1 Post

 1 Page


WordPress 5.3 running [Twenty Twenty](#) theme.

Activity

Recently Published

Nov 15th, 2:02 pm [Hello world!](#)

Recent Comments

 From [A WordPress Commenter](#) on [Hello world!](#)  
Hi, this is a comment. To get started with moderating, editing, and deleting comments, please visit the Comments screen in...

[All \(1\)](#) | [Mine \(0\)](#) | [Pending \(0\)](#) | [Approved \(1\)](#) | [Spam \(0\)](#) | [Trash \(0\)](#)

Quick Draft


Title


Content

What's on your mind?


Save Draft

WordPress Events and News

Attend an upcoming event near Kochi. 

 [WordCamp Kochi, Kerala, India](#)  
Kochi, Kerala, India

Sunday, Dec 1, 2019

 [WordCamp Kochi 2019](#)  
Kochi, India

Sunday, Dec 1, 2019  
9:00 am

WordPress 5.2.4 Update

WPTavern: WP&UP to Hold #DoSummitGood Online Event for Giving Tuesday

Matt: Distributed Podcast: Clark Valberg, Lydia X. Z. Brown, Stephen Wolfram, and the Grand Meetup


WordPress





- Dashboard
- Home
- Updates
- Jetpack
- Posts
- Media
- Pages
- Comments
- Appearance
- Plugins
- Users
- Tools
- Settings
- Collapse menu

# Dashboard

At a Glance

 1 Post

 1 Page

 1 Comment


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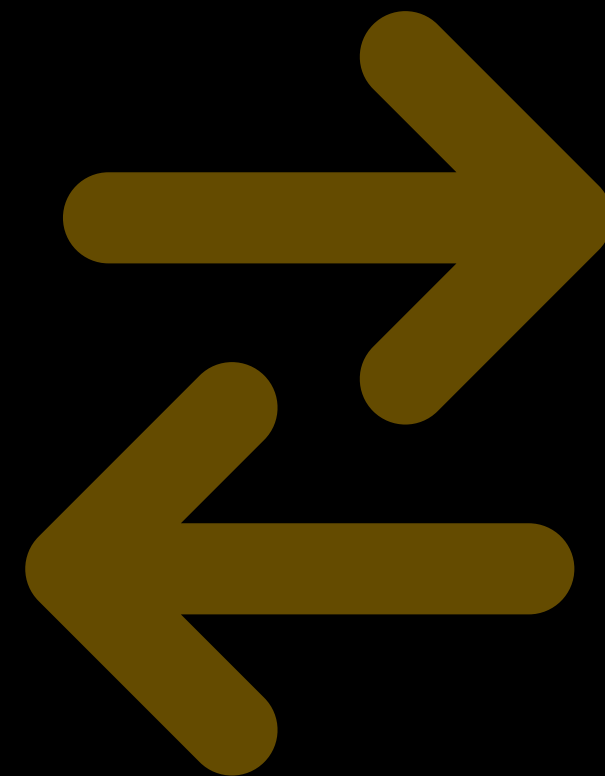


**How it works**

# How it works



**WordPress Backend**

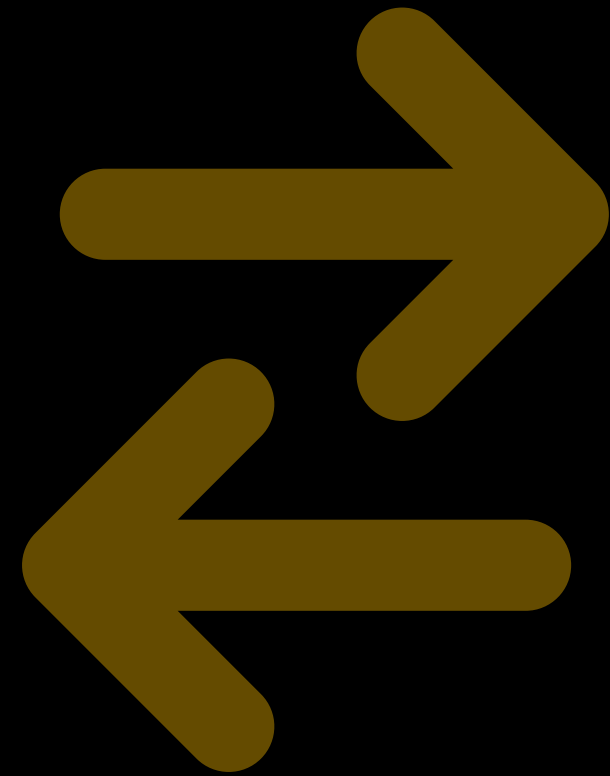


**MySQL Database**

# How it works



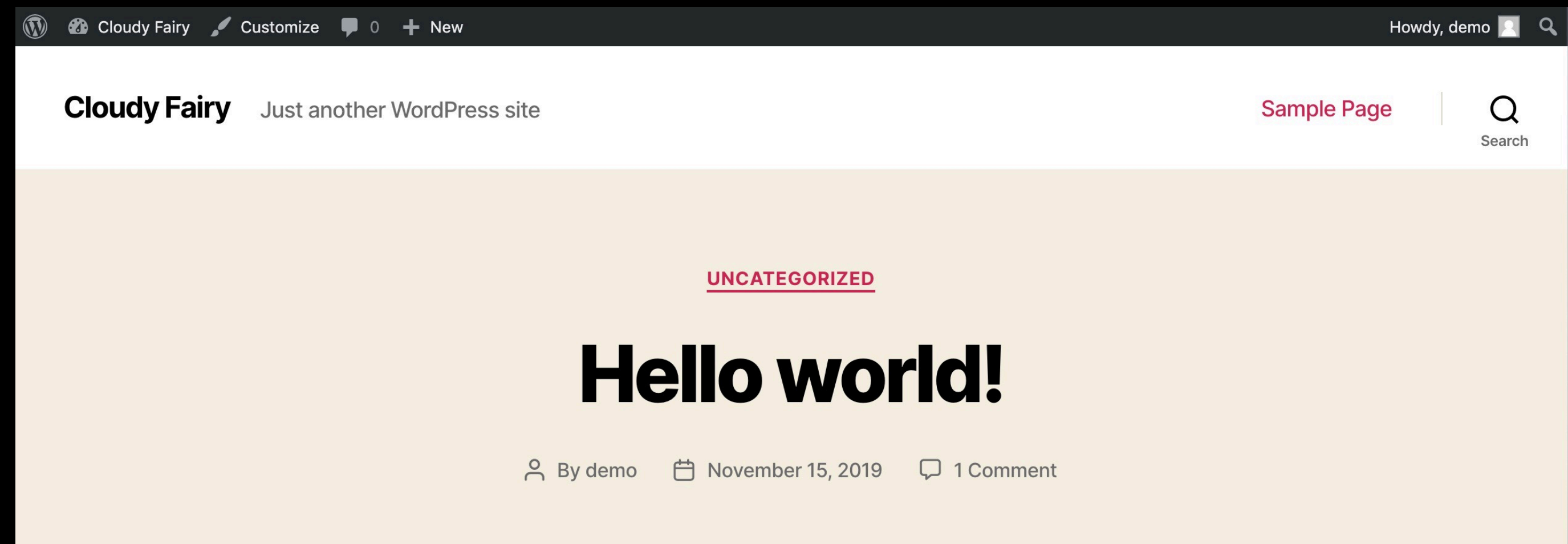
WordPress Backend



MySQL Database



WordPress Frontend



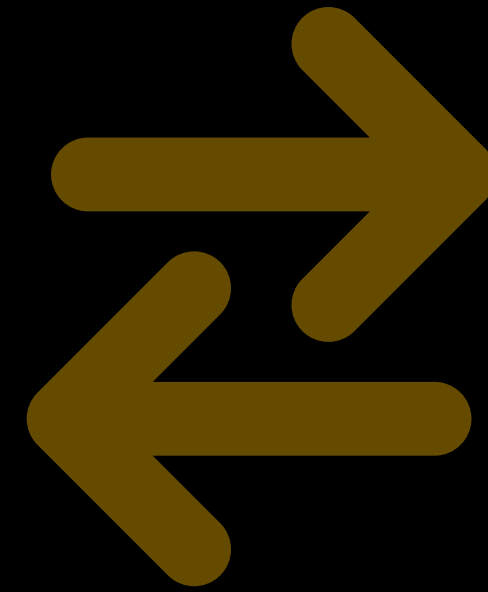
**not Headless!**



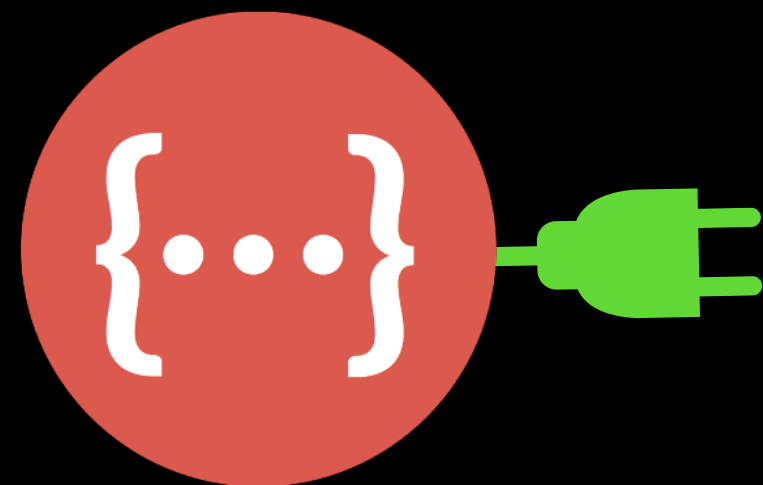
# How it works



WordPress Backend



MySQL Database



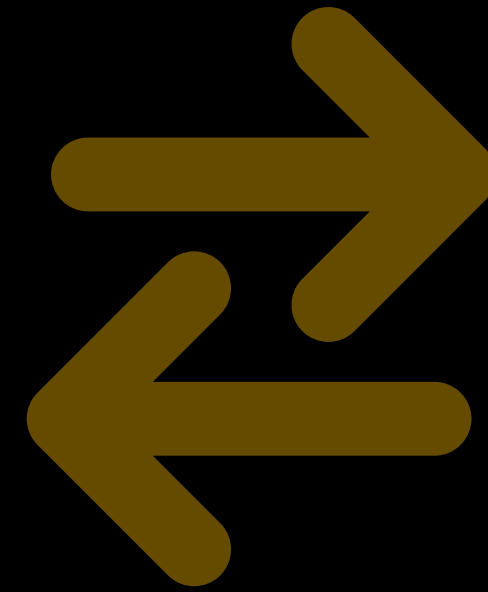
Rest API

Any Frontend

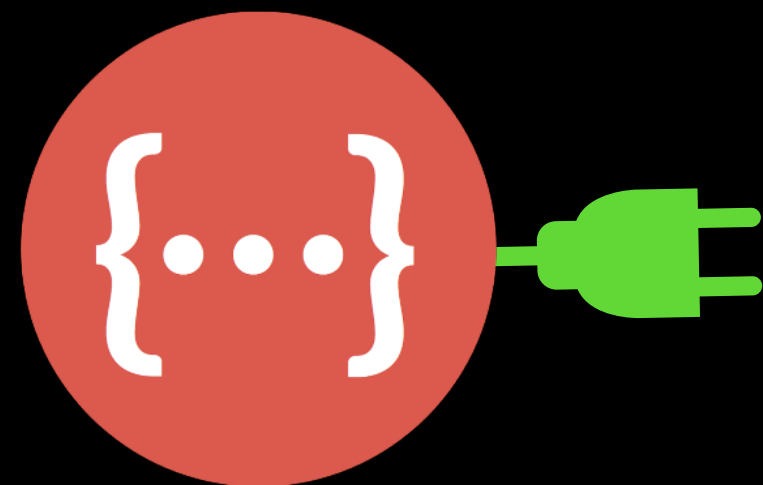
# How it works



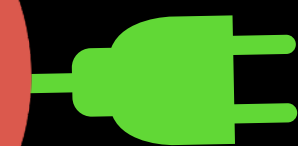
WordPress Backend



MySQL Database



Rest API



React Frontend

# Why Headless?



**#1**

# **Separation of Concerns**

**#2**

**Creativity with modern frameworks**

**#3**

**Not everyone knows PHP**



# 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



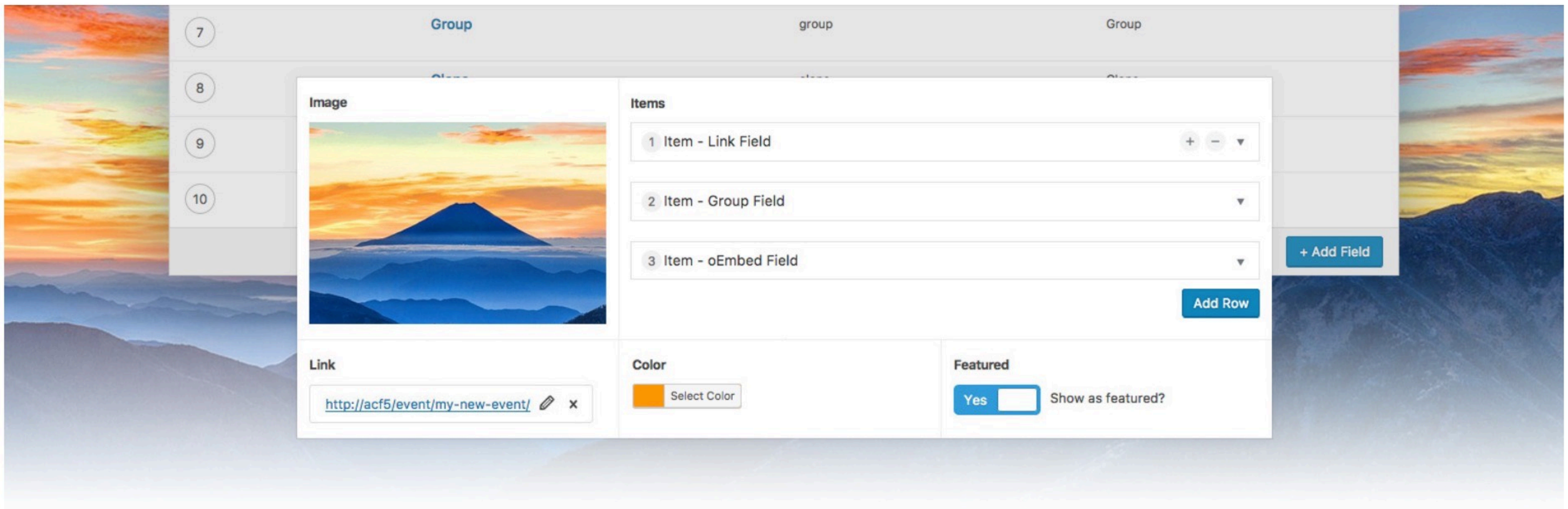
Custom Post Type UI  
By WebDevStudios

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 field groups is shown with numbered circles (7, 8, 9, 10). The main area shows a configuration for a field group titled 'Group'. It includes an 'Image' field with a preview of a mountain landscape, a 'Link' field with the URL 'http://acf5/event/my-new-event/', a 'Color' field with a 'Select Color' button, and a 'Featured' field with a 'Yes' checkbox and the label 'Show as featured?'. Below these fields is an 'Items' section with three rows: '1 Item - Link Field', '2 Item - Group Field', and '3 Item - oEmbed Field'. Each row has a plus/minus icon and a dropdown arrow. At the bottom right of the configuration area is an 'Add Row' button. To the right of the configuration area is a '+ Add Field' button. At the bottom left is the ACF logo, and at the bottom right is a 'Download' button.

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.

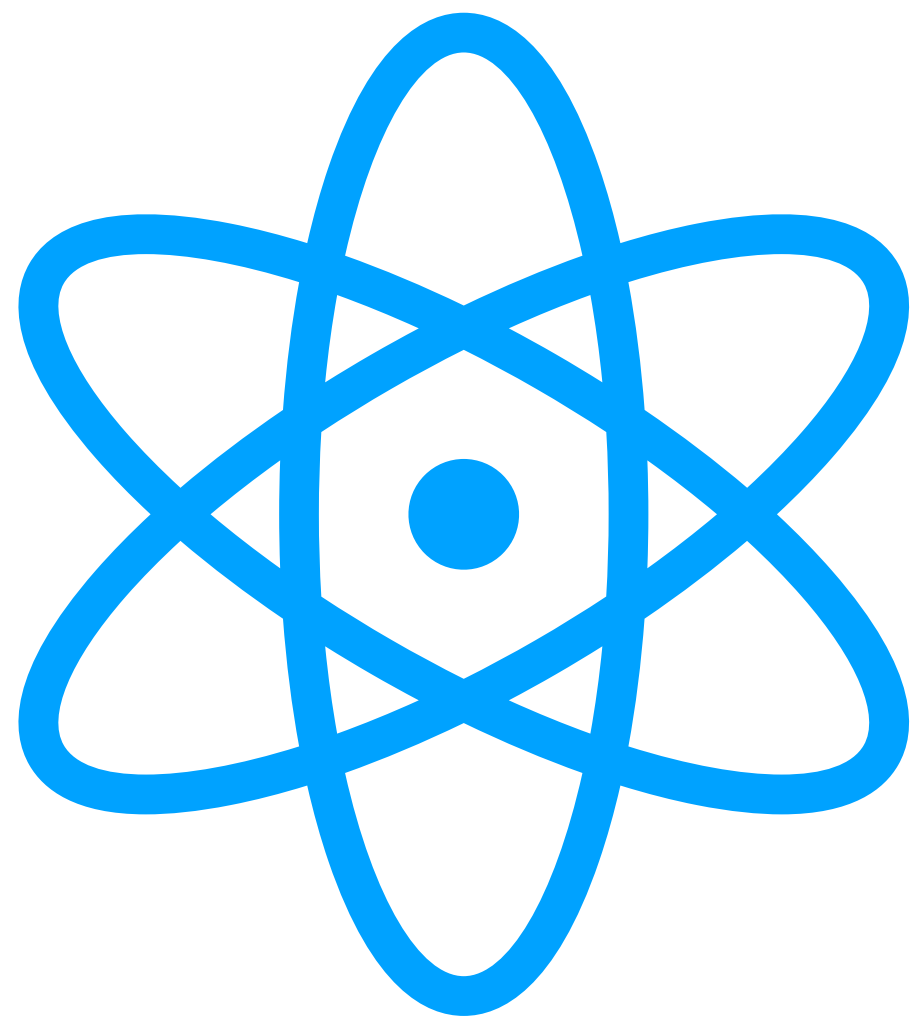
You can read all about it in [this handy introduction](#).

## What's inside:

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

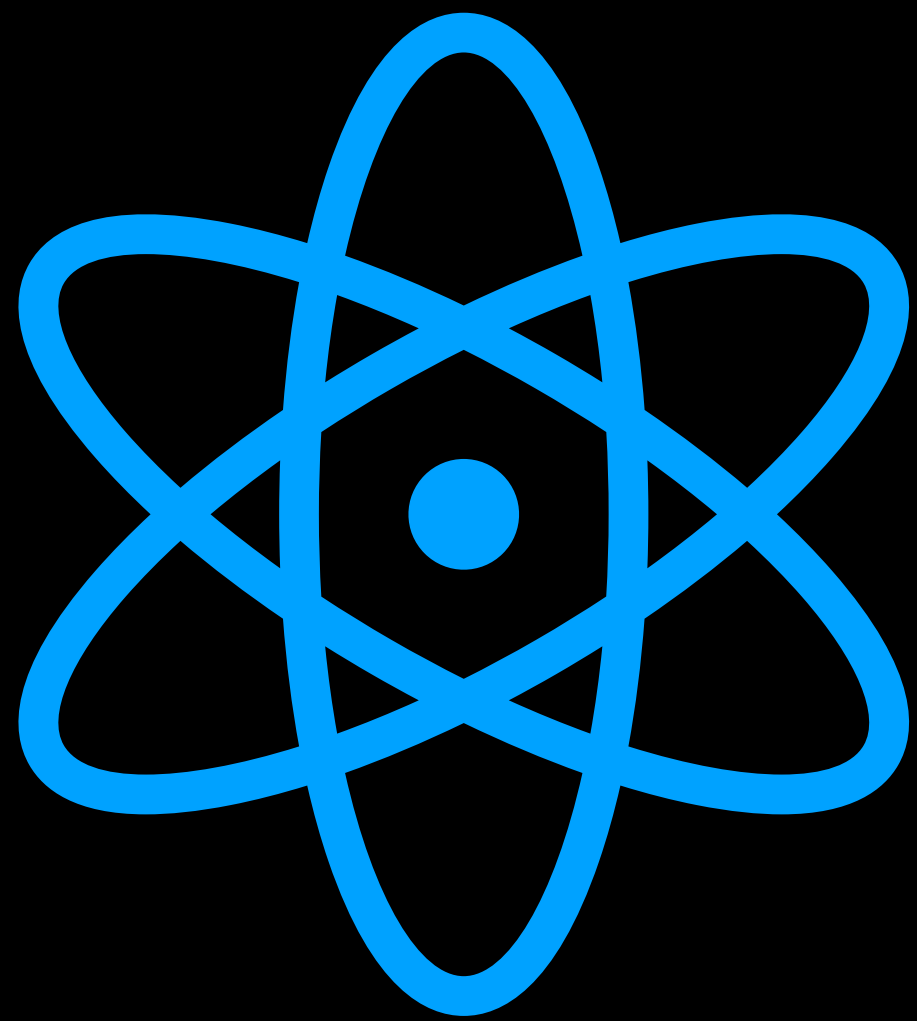
**Create with...**

# Create with...



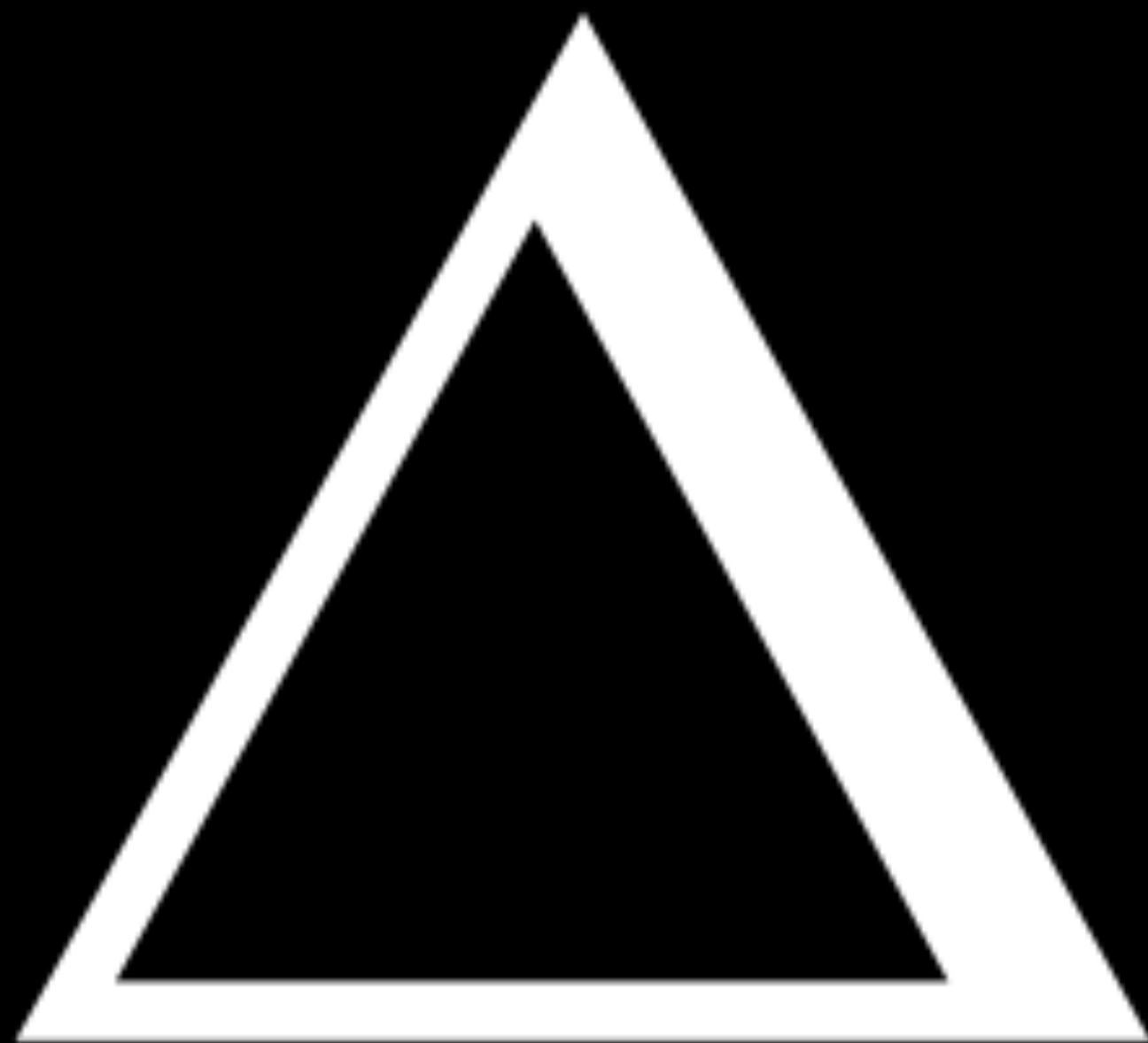
~~NEXT~~.JS

# Create with...





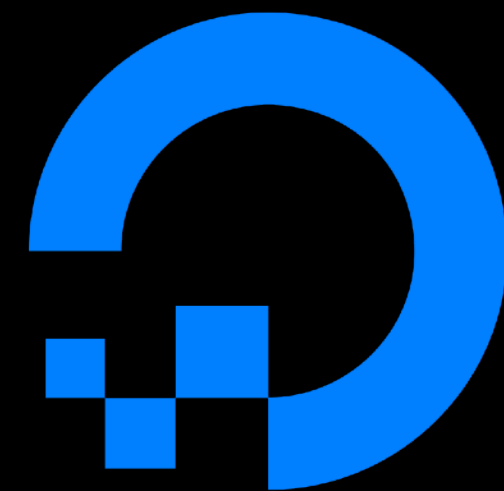
# Deploy 🚀



# Deploy 🚀



Google Cloud



DigitalOcean



That is it,  
folks!

@kumar\_abhirup

github.com/KumarAbhirup

kumar.now.sh