Seven things you didn’t know you could do with Advanced Custom Fields

Iain Poulson
Product Manager, ACF
WP Engine

Rob Stinson
Product Marketing Manager
WP Engine
The VHS Awards

Brief:
• Celebrate the best movies of the 90s
• Audience voting with live ranking
• Cut-off date for voting
• Unique design
#1 Install ACF PRO with Composer
How to Install With Composer

Step 1: Add our Composer repository URL to your composer.json file:

```
"repositories": [
{
    "type": "composer",
    "url": "https://connect.advancedcustomfields.com"
}
]
```
How to Install With Composer

Step 2: Create an auth.json credentials file to place in the root of your site (locally and on the live server) from the My Account section of the ACF site, looks like:
How to Install With Composer

**Step 3:** Then run the Composer command to install ACF PRO:

```bash
$ composer require wpengine/advanced-custom-fields-pro
```

**Read more:**
advancedcustomfields.com/resources/installing-acf-pro-with-composer
#2 Custom Post Types & Taxonomies
WP + CPTs = CMS

• Custom post types are an essential part of building WordPress sites
• Register with code or a plugin
• Typically it’s the first thing developers do before adding fields with ACF

Joined up process for creating CPTs, taxonomies and custom fields in ACF 6.1 🎉
VHS Awards
Site Data
Model

• Custom Post Type: Movie
• Taxonomy: Genre
• Fields:
  ▪ Director (text)
  ▪ Year (number)
  ▪ Related Movies (relationship)
  ▪ Votes (number)
Registering Custom Post Types

Add New Post Type

Basic Settings

Singular label *

Movie

Name for one item of this post type

Plural label *

Movies

Plural name for items of this post type

Post Type Key *

Movie

Single word, no spaces. Underscores and dashes allowed

Public

Visible on the frontend and in the admin dashboard

Hierarchical

Hierarchical post types can have descendants (like pages)

Advanced configuration

I know what I’m doing, show me all the options

Thank you for creating with WordPress and ACF.
Registering Fields for the Post Type
Registering Fields for the Post Type
Registering Custom Taxonomies
#3 Global Fields with the Options Page
The Notification/Promo Bar

The VHS Awards
A celebration of the greatest films from the greatest decade (the 90s) of film.

1. ‘Goodfellas’ (1990)
2. ‘Starship Troopers’ (1997)
3. ‘Fight Club’ (1999)
4. (Image)
5. (Image)
6. (Image)
add_action('acf/init', 'my_acf_op_init');
function my_acf_op_init() {

    // Check function exists.
    if( function_exists('acf_add_options_page') ) {

        // Register options page.
        $option_page = acf_add_options_page(array(
            'page_title' => __('Site Settings'),
            'menu_title' => __('Site Settings'),
            'menu_slug' => 'site-settings',
            'capability' => 'edit_posts',
            'redirect' => false
        ));
    }
}
### Step 2

#### Fields

<table>
<thead>
<tr>
<th>#</th>
<th>Label</th>
<th>Name</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Promo Bar Active</td>
<td>active</td>
<td>True / False</td>
</tr>
<tr>
<td>2</td>
<td>Message</td>
<td>message</td>
<td>Text</td>
</tr>
<tr>
<td>3</td>
<td>Button Text</td>
<td>button_text</td>
<td>Text</td>
</tr>
<tr>
<td>4</td>
<td>Button Link</td>
<td>button_link</td>
<td>URL</td>
</tr>
<tr>
<td>5</td>
<td>Notice Type</td>
<td>notice_type</td>
<td>Button Group</td>
</tr>
</tbody>
</table>

[Add Field]
Step 3

Settings

Location Rules  Presentation  Group Settings

Rules
Show this field group if

Options Page  is equal to  Site Settings  and

or
Add rule group
Done!

Site Settings

Promo Bar Fields

Promo Bar Active

Yes

Message

Voting Closes on the 3rd of March

Button Text

Vote Now

Button Link

https://vhswards.com/vote

Notice Type

Alert Promo

Publish

Update
#4 Programmatically Registering Fields
Creating Fields with ACF

Field Editor UI  JSON files  PHP code
ACF Builder Package
StoutLogic/acf-builder

https://github.com/StoutLogic/acf-builder

Fluent PHP API for defining fields

Reusable, portable, commit to version control

Stop clients from editing fields in the UI
Installing the ACF Builder package

$ composer require StoutLogic/acf-builder
Using the ACF Builder package

```php
$movie_details = new StoutLogic\AcfBuilder\FieldsBuilder('movie_details');
$movie_details
    ->addText('Director')
    ->addNumber('Year')
    ->setLocation('post_type', '==', 'movie');

add_action('acf/init', function() use ($movie_details) {
    acf_add_local_field_group($movie_details->build());
});
```
#5 Bi-directional Relationships
'Toy Story' (1995)

READ REVIEW

'The Lion King' (1994)

READ REVIEW

'Pocahontas: Renaissance' (1997)

READ REVIEW
How it’s Done - Option 1

• Write a function that hooks in to the acf/update_value filter
  ▪ This runs before a value is saved
  ▪ Will update the custom field value of each selected post to include the current post’s ID

Docs Page

www.advancedcustomfields.com/resources/bidirectional-relationships
How it’s Done - Option 2

- Third-party plugin from ACF Extended
- On wordpress.org
- Adds field settings for establishing the relationship
#6 Headless with ACF
Headless with WordPress and ACF

• ACF has API support:
  ▪ REST API (natively with ACF)
  ▪ WPGraphQL (with WPGraphQL plugin and WPGraphQL ACF plugin)
• Can support fully decoupled headless site, eg. Atlas sites
Real World
Headless Example

• People are voting on the VHS Awards site up to a certain date
• Local cinema is a double bill of the most voted 90s movies
• Have the site dynamically power the cinema’s billboard
  ▪ Billboard is a simple node app
  ▪ Needs to fetch the site data
Using a custom REST API Endpoint

Step 1: Create the callback function to return the data we need

```php
function vhs_popular_movies( $data ) {
    $args = array(
        'post_status' => 'publish',
        'post_type' => 'movie',
        'posts_per_page' => 2,
        'meta_key' => 'votes',
        'orderby' => 'meta_value_num',
        'order' => 'DESC'
    );

    $query = new WP_Query($args);

    return $query->posts;
}
```
Using a custom REST API Endpoint

**Step 2:** Register the custom REST endpoint using the callback function

```php
<?php

add_action( 'rest_api_init', function () {
    register_rest_route( 'vhs/v1', '/popular', array(
        'methods' => 'GET',
        'callback' => 'vhs_popular_movies',
    ) );
});
```
Using a custom REST API Endpoint

Step 3: Test our the new endpoint - http://vhs-awards.local/wp-json/vhs/v1/popular
#7 Creating a custom block with ACF
A Custom Call-to-action Block

The VHS Awards

A celebration of the greatest films from the greatest decade (the 90s) of film.

No one know 90s movies better than you! So make sure you vote!

1. ‘Goodfellas’ (1990)
2. ‘Starship Troopers’ (1997)
3. ‘Fight Club’ (1999)
4.
5.
6.
functions.php

//Register Custom Blocks
add_action( 'init', 'register_acf_blocks' );
function register_acf_blocks() {
    register_block_type( __DIR__ . '/blocks/cta' );
}
<table>
<thead>
<tr>
<th>#</th>
<th>Label</th>
<th>Name</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Text</td>
<td>text</td>
<td>Text</td>
</tr>
<tr>
<td>2</td>
<td>Button Text</td>
<td>button_text</td>
<td>Text</td>
</tr>
<tr>
<td>3</td>
<td>Button Link</td>
<td>button_link</td>
<td>Url</td>
</tr>
<tr>
<td>4</td>
<td>Background Color</td>
<td>background_color</td>
<td>Button Group</td>
</tr>
</tbody>
</table>
3 Block Template Files

blocks/
  cta/
    block.json
    cta.php
    cta.css
blocks/cta/block.json

{
    "name": "acf/cta",
    "title": "CTA",
    "description": "A custom CTA block.",
    "style": [ "file://cta.css" ],
    "category": "formatting",
    "icon": "admin-comments",
    "keywords": ["cta", "call to action"],
    "acf": {
        "mode": "preview",
        "renderTemplate": "cta.php"
    },
    "align": "full"
}
<?php
/**
 * CTA Block Template.
 */

$text = get_field( 'text' );
$button_text = get_field( 'button_text' );
$button_link = get_field( 'button_link' );
$background = get_field( 'background_color' );
$background_color = "blue";

if ($background == "blue") {
    $background_color = "#0026E2";
} elseif ($background == "yellow") {
    $background_color = "#FFA116";
} else {
    $background_color = "#18181b";
}

?/>
<div class="acf-cta alignwide"
     style="background-color: <?php echo esc_attr($background_color); ?>">
    <span><?php echo esc_html($text); ?></span>
    <a href="<?php echo esc_attr($button_link); ?>"><span><?php echo esc_html($button_text); ?></span></a>
</div>
.acf-cta {
    display: flex;
    padding: 2rem;
    background-image: radial-gradient(#181818 20%, transparent 20%);
    background-position: 0 0, 50px 50px;
    background-size: 80x 80px;
    border: 3px solid #181818;
    font-family: var(--wp--preset--font-family--ibm-plex-mono) !important;
    align-items: center;
}

.acf-cta span {
    font-size: 24px;
    font-weight: 600;
    color: #fff;
}

.acf-cta a {
    display: flex;
    align-items: center;
    height: 42px;
    border: 3px solid #E7A72C;
    text-decoration: none;
    color: #0016DF !important;
    padding: 0 32px;
    font-size: 18px;
    text-transform: uppercase;
    font-weight: 600;
    margin-left: auto;
    background-color: #E7A72C;
}

.acf-cta a:hover {
    background-color: #0016DF;
    border-color: #E7A72C;
    color: #E7A72C !important;
}
VHS Awards

The VHS Awards

A celebration of the greatest films from the greatest decade (the 90s) of film.

1. ‘Goodfellas’ (1990)
   READ REVIEW

2. ‘Starship Troopers’ (1997)
   READ REVIEW

3. ‘Fight Club’ (1999)
   READ REVIEW
A Recap

1. Install ACF PRO via Composer
2. Custom Post Types & Taxonomies in ACF
3. Global/Site-wide Fields with an Option Page
4. Programmatically Registering Fields
5. Bi-Directional Relationships
6. Headless with ACF
7. Creating a Custom Block with ACF
The best movie of the 90s!

Rob’s Vote!

1

Iain’s Vote!

1
Thank you.

Iain Poulson  
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