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## Overview

CPT Relationships allows you to create bi-directional relationships between two different post types. All relationship types are supported:

- one to one relationships
- one to many relationships
- many to many relationships

Whether you're creating a relationship between an author and books (one to many) or classes to students (many to many) CPT Relationships has you covered.

Once you have set up your relationships you can use the Divi modules provided by CPT-R to display your post relationships.

- **CPT-R Linked Posts** - Allows you to display a list or grid of posts linked to the current post. The module allows you to apply a layout from the Divi Library to be used as the single layout for the posts being displayed.
- **CPT-R Related Posts** - Allows you to display a list or grid of posts that have the same relationship as the current post. The module allows you to apply a layout from the Divi Library to be used as the single layout for the posts being displayed.
- **CPT-R Post Title** - Allows you to display the linked posts title or the title of the current post. (this module works best for one to many relationships e.g. author to books)
- **CPT-R Featured Image** - Allows you to display the linked posts featured image or the featured image for the current post. (this module works best for one to many relationships e.g. authors to books)
- **CPT-R Linked Post Meta** - Allows you to display a custom field from the linked post. (this module works best for one to many relationships e.g. authors to books)

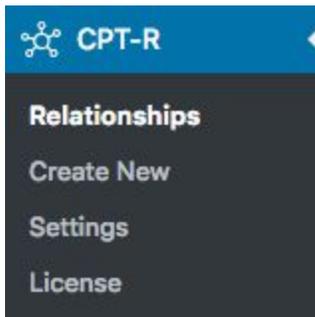
***Please note: The DPR Post Meta module will only be available if the Advanced Custom Fields Module Plugin by Tortoise IT is installed and activated.***

CPT Relationships comes with Advanced Custom Fields Pro out of the box. This means you have all of the features and functionality within ACF Pro available to you. The reason ACF Pro is included is because it is used behind the scenes to manage the relationships created by CPT-R. If you do not want to use ACF to create custom fields for your post types you can disable the menu option within CPT-R Settings.



## Plugin Setup

Once the DPR plugin has been installed you will find a new admin menu item ('CPT-R') within the wp-admin section.



## Relationships

The 'Relationships' section lists all of the post relationships you have created. This will be empty after installation.





## Licensing

The first thing to do once the plugin has been installed is enter the license key to enable updates. Select the licensing item within the CPT-R admin menu.

CPT Relationships - License Options

Activate

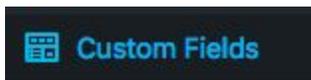
License Key  Enter your license key

Save Changes

Enter your license key and click save changes.

## Settings (Advanced Custom Fields Pro)

You may have noticed that when the CPT-R Plugin was activated a second menu item was added to the admin menu for 'Advanced Custom Fields Pro' Management.



Advanced Custom Fields Pro comes with CPT Relationships out of the box. If you are not going to be using custom fields within your post types you can remove this item from the admin menu within the CPT-R settings section.

Divi Post Relationships - Settings

Settings

Display ACF options

Save Changes



## Posts and Post Types

For the purpose of this example I have already setup 2 post types called 'Authors' and 'Books'.

I have added 2 authors and 6 books (3 by each author).

Directors:

- George RR Martin
- J. K. Rowling

Movies:

- A Storm of Swords – Part 1 (Director GM)
- A Clash of Kings (Director GM)
- A Game of Thrones (Director GM)
- Harry Potter and the Prisoner of Azkaban (Director JKR)
- Harry Potter and the Chamber of Secrets (Director JKR)
- Harry Potter and the Philosopher's Stone (Director JKR)

We will be creating a relationship between authors and books so we can display the books by the author on the authors page as well as other books by the same author on the books page.

**Please note:** We will not be designing the pages to look pretty. This document is to demonstrate the features of CPT-R and avoid distractions away from the core functionality.



## How To Create a Relationship

Within the create relationship subpage there are three options available:

1. Relationship name
2. Post type 1
3. Post type 2

Our relationship will be called 'Bookshop' and the post types we will be linking are 'Authors' and 'Books'

CPT Relationships - Create New

Create Post Relationship

Post Relationship Name

Post Type

Link to

**Please note:** It does not matter which order you enter the post types as the relationship will be bi-directional (both ways).

## How To Get The Relationship ID

You can find your newly created relationship id from within the relationships overview page.

CPT Relationships [Create Relationship](#)

Manage Post Relationships

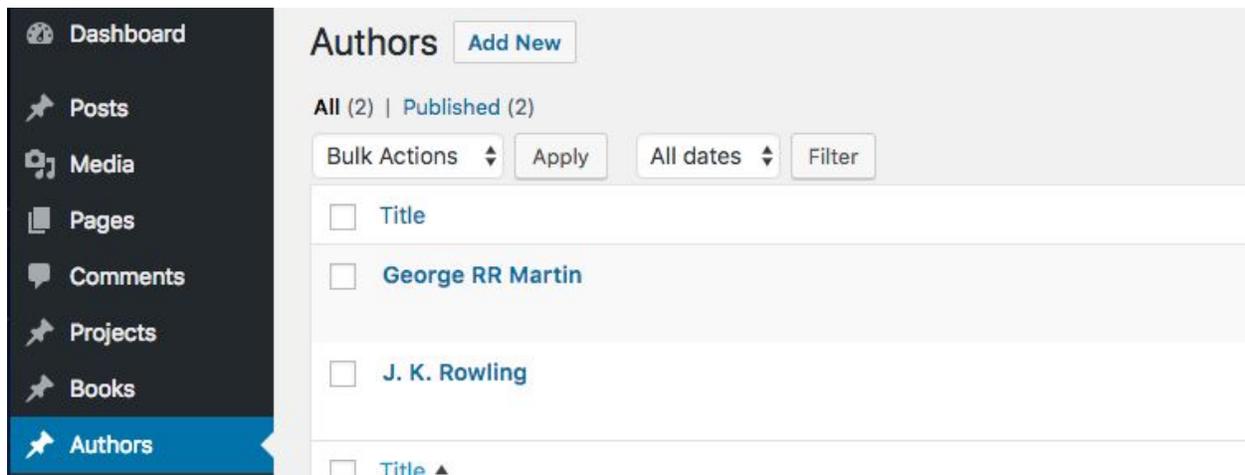
Name	Relationship	Relationship Id	
Bookshop	Authors <-> Books	<span style="border: 2px solid red; padding: 2px;">cptr_writer_book</span>	<input type="button" value="Delete"/>

*The relationship id is used within shortcodes.*



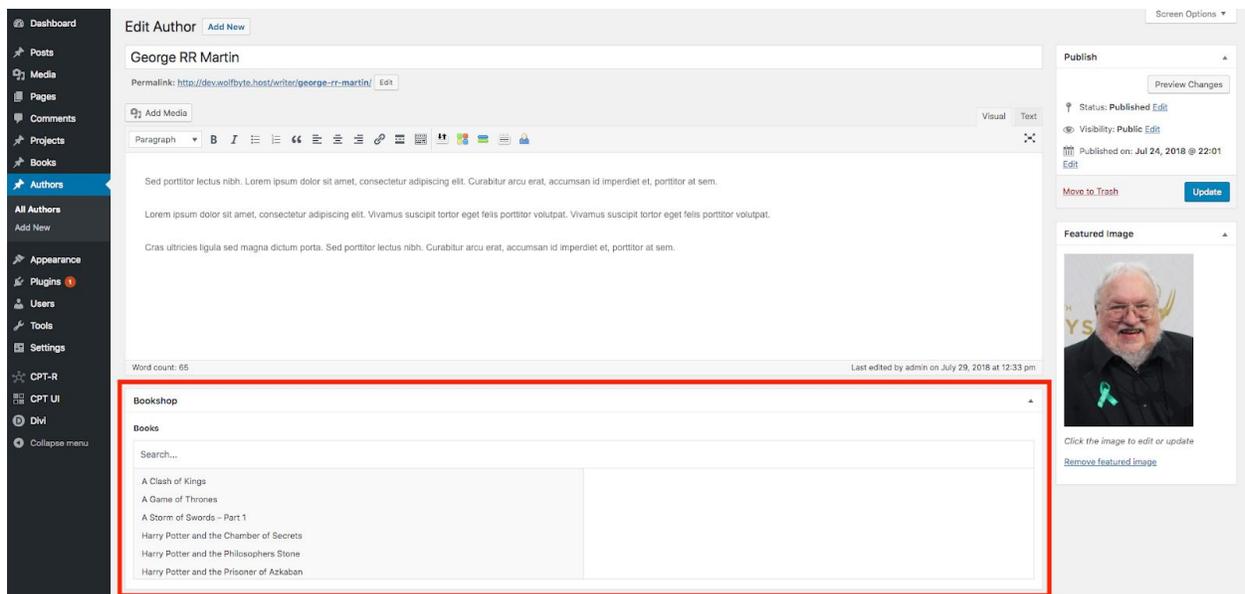
## How To Link Posts

Now we our relationship setup we are able to start linking our posts. Navigate to your authors post types.



Select one of the authors e.g. 'George RR Martin'

Within the post edit page you will find a new option enabling you to select to assign books to the author.





## CPT Relationships - Documentation

---

Select the books you would like to assign.

Bookshop

Books

Search...

A Clash of Kings	A Clash of Kings
A Game of Thrones	A Game of Thrones
A Storm of Swords – Part 1	A Storm of Swords – Part 1
Harry Potter and the Chamber of Secrets	
Harry Potter and the Philosphers Stone	
Harry Potter and the Prisoner of Azkaban	

Click update

Publish

Preview Changes

Status: **Published** [Edit](#)

Visibility: **Public** [Edit](#)

Published on: Jul 24, 2018 @ 22:01  
[Edit](#)

[Move to Trash](#) [Update](#)

Once the post has been updated CPT-R will make create the opposite link between the books and the author.

*The below screenshot is from one of the linked books edit post page.*

Bookshop

Authors

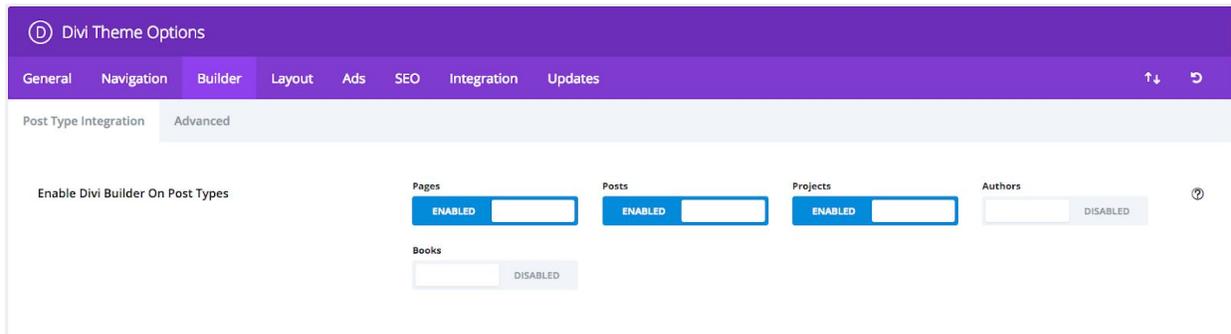
Search...

George RR Martin	George RR Martin
J. K. Rowling	

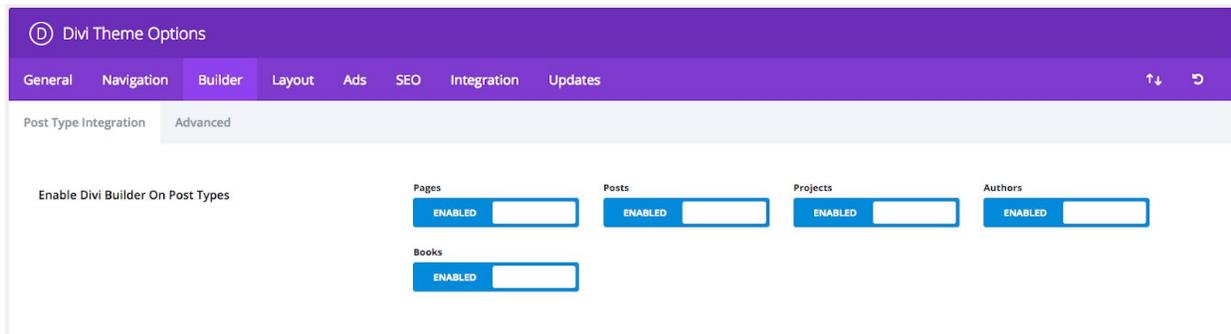


## Enable the Divi Builder for Custom Post Types

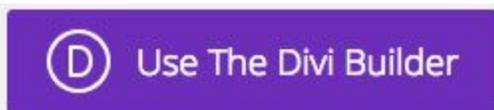
Within 'Theme Options' under the "Builder" tab you can enable the Divi builder for custom post types.



Enable the builder for 'Authors' and 'Books'



When editing posts you will now have the option to 'Use the Divi Builder'





## How To Create a Single Post Layout

Before we jump into creating a layout for the posts we must create the single layouts for our linked and related posts. You can think of a single layouts as a layout that is used to display a post within a list or grid of posts.

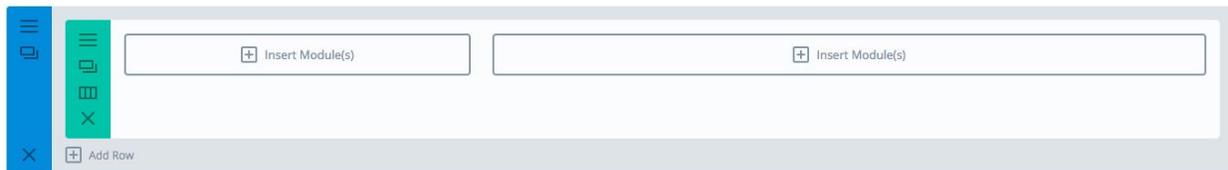
George RR Martin



## List Layout

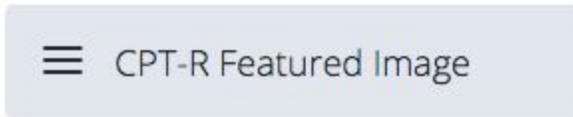
Head over to the Divi Library and create a new layout called 'Book Single (List)'

Create 2 columns ( $\frac{1}{3}$  -  $\frac{2}{3}$ )





To add the posts featured image select 'CPT-R Featured Image' form within the Divi module selection.



When using the CPT-R Featured Image Module within a single layout you must enable 'Current Post Featured Image'. This is because CPT-R loops over the linked/ related posts and we would like to display the current featured image for the current post within the loop.

We will leave 'Hyperlink' enabled so we can view the book when clicked.

For the image size I have selected 'Medium' through this demo.

**CPT-R Featured Image Module Settings** [X]

Content Design Advanced

**Main Settings**

**Current Post Feature Image:** YES

Enable to this option to get the featured image for the current post. \*\*\*Enable this option for single layouts used within CPT-R Linked Posts and CPT-R Related Posts modules\*\*\*

**Hyperlink Image:** YES

Enable this option to turn the featured image into a hyperlink to the linked post.

**Image Size:** medium

Pick a size for the featured image from the list. Leave blank for default.

Save & Add To Library [Refresh] Save & Exit

# CPT Relationships - Documentation



Within column 2 add the 'CPT-R Post Title' Module '

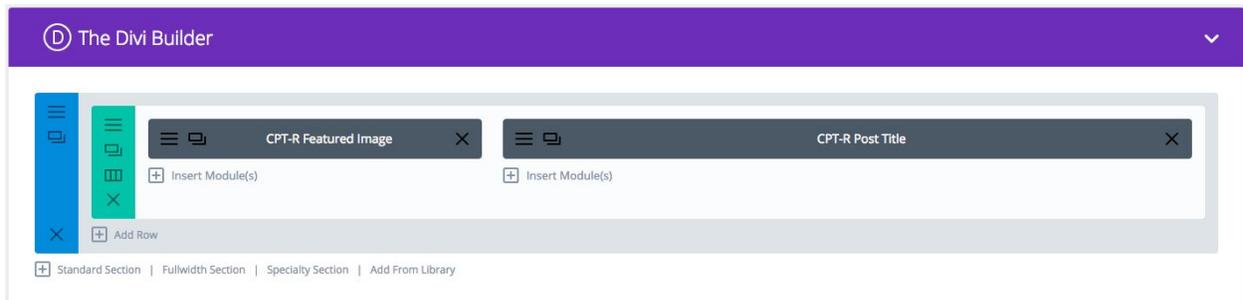


Similar to the CPT-R Featured Image Module when using the CPT-R Post Title module within a single layout you must enable 'Current Post Title'. This is because CPT-R loops over the linked/related posts and we would like to display the current post title for the current post within the loop.

Current Post Title:

*Enable to this option to get the get the title for the current post. \*\*\*Enable this option for single layouts used within CPT-R Linked Posts and CPT-R Related Posts modules\*\*\**

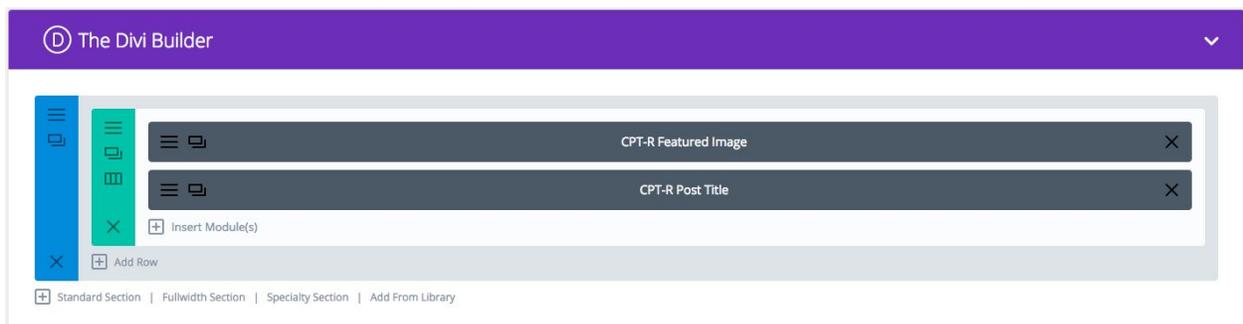
Save your Book Single (List) layout.



## Grid Layout

Create another layout named Book single (Grid)

Repeat the above steps using a single column layout instead of a two column layout.



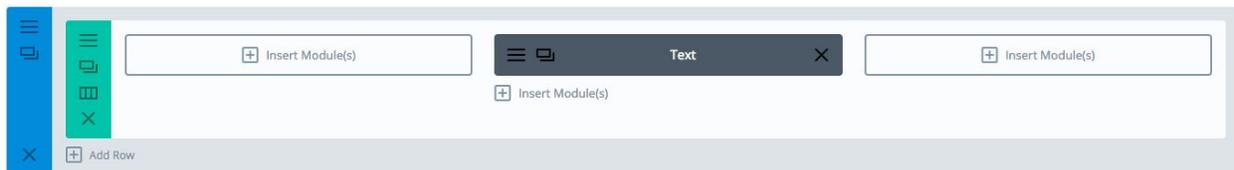


# CPT Relationships - Documentation

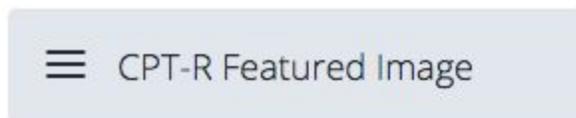


For our authors layout we will be displaying the featured image, content and books.

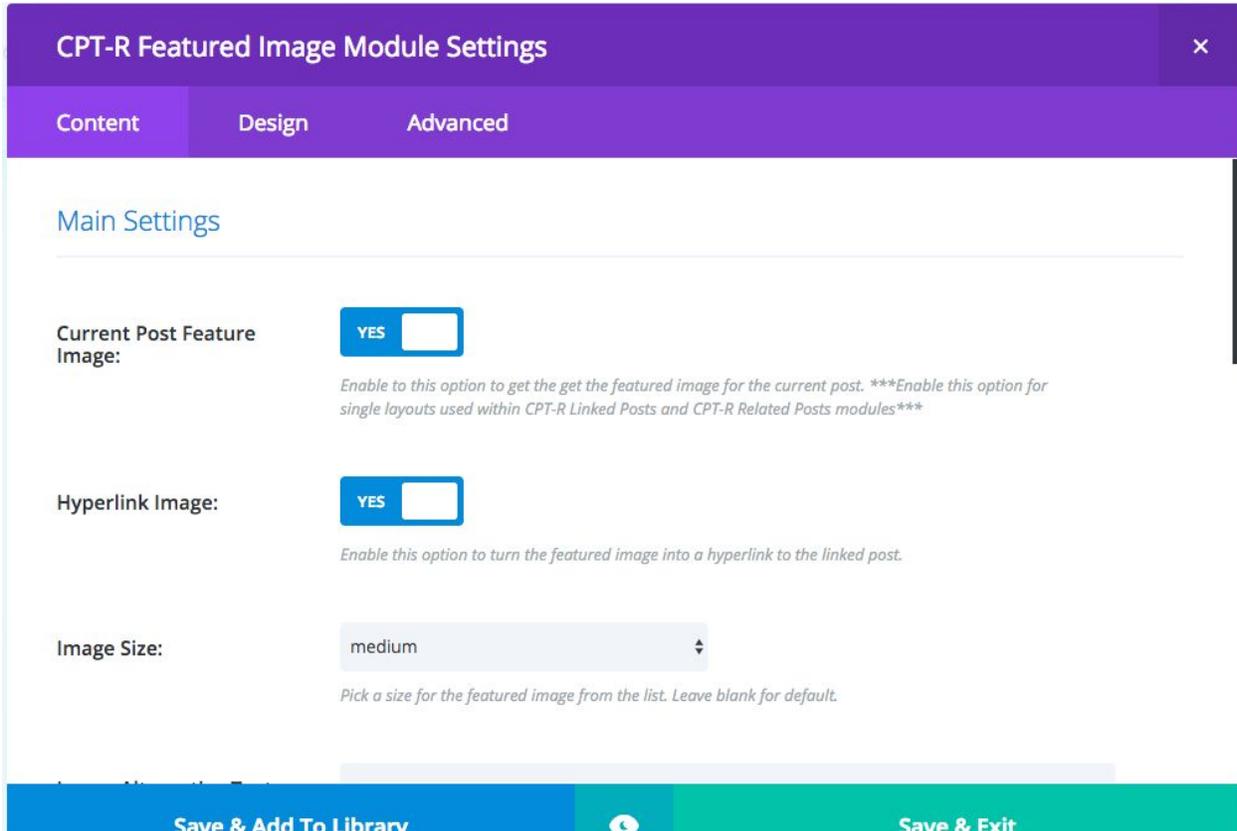
Change the single column layout to a 3 column layout



To add the posts featured image by selecting 'CPT-R Featured Image' from within the Divi module selection.



Similar to when we added the featured to the single layout we will be enabling the 'Current Post' option to display the featured image for the Author.



# CPT Relationships - Documentation



To display the books by the author select the 'CPT-R Linked Posts' module. This will loop over all of the current posts linked posts from the relationship selected and display each post within the layout selected.



From the options below you can see we have selected our relationship 'Bookshop' and the post type we would like to display 'Books'.

The related books will be displayed within a list using our Book single (List) layout.

### CPT-R Linked Posts Module Settings

Content Design Advanced

#### Main Settings

**Title:** Books  
*Optionally add a title above the posts.*

**Relationship:** Bookshop  
*Choose the relationship you would like to use to lookup the linked posts.*

**Post Type:** Posts  
*Choose the post type of the posts you would like to return.*

**Loop Layout:** Book Single (List)  
*Choose the layout you would like to use as the single template for the posts.*

**Layout:** List  
*Toggle between the various blog layout types.*

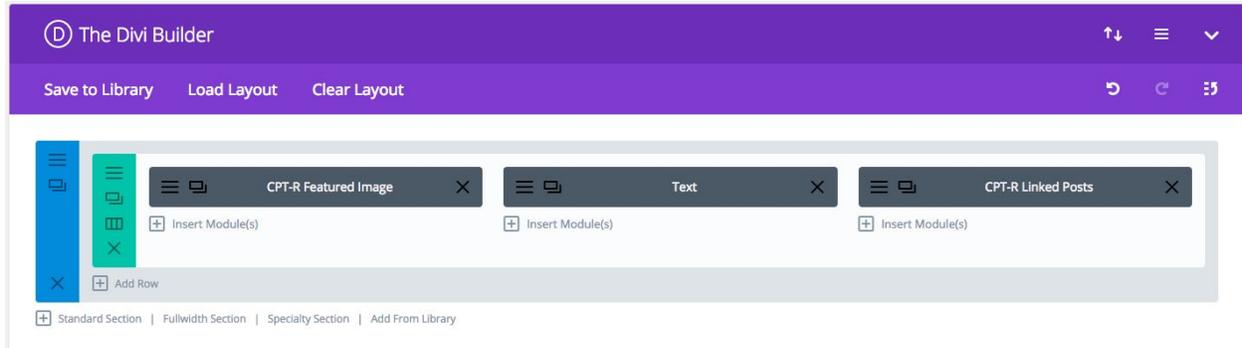
**Show Pagination:** YES

Save & Add To Library Save & Exit

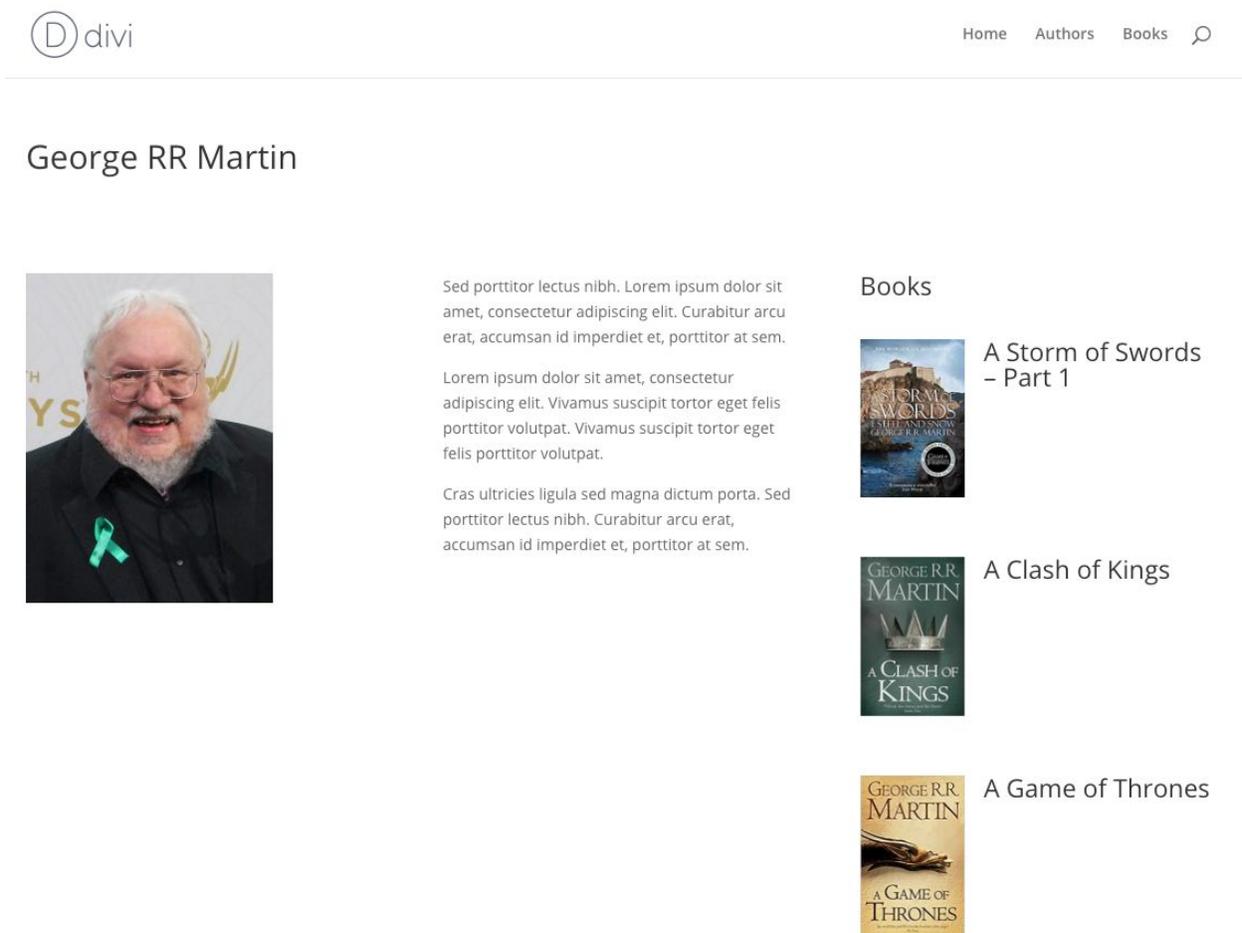


# CPT Relationships - Documentation

Your author layout should now look like the following layout.



The finished layout should look like the following.



**Please note:** If your layout is squashed together please use the following CSS snippet where *writer* is your post slug.



```
.single-writer #et-boc .et_pb_row {  
    width: 100% !important;  
}
```

Once you are happy with the authors layout save it to your library so it can be applied to all of your authors.

## Book Layout

Enable the divi builder for one of your books.

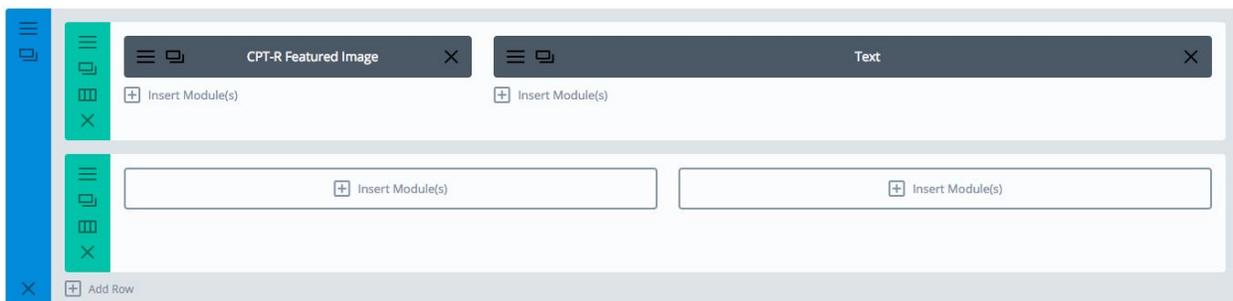


Add the featured image to the Book page just like we did for the author layout.



Next we will be displaying the authors name and featured image as well as other books by the author.

Add a two columns section ( $\frac{1}{2}$   $\frac{1}{2}$ )



# CPT Relationships - Documentation



Add the 'CPT-R Post Title' module to the first column. Because we are displaying the title of the linked post (the author) we will not enable the current post option. Instead select the relationship you would like to used to lookup the linked post and click save.

### CPT-R Post Title Module Settings

Content Design Advanced

#### Main Settings

**Current Post Title:**  NO  
*Enable to this option to get the get the title for the current post. \*\*\*Enable this option for single layouts used within CPT-R Linked Posts and CPT-R Related Posts modules\*\*\**

**Relationship:** Bookshop  
*Choose the relationship you would like to use to lookup the linked posts title. If multiple linked posts are returned then the title for the first post will be displayed.*

**Hyperlink Title:** YES   
*Enable this option to turn the title into a hyperlink to the linked post.*

**Text Color:** Dark

Save & Add To Library  Save & Exit

# CPT Relationships - Documentation



Next we will be adding the authors featured image below the authors title. Just like the post title above we will not be selecting the current post option. Instead we will select the relationship we would like to use to lookup the linked post.

### CPT-R Featured Image Module Settings

Content Design Advanced

#### Main Settings

**Current Post Feature Image:**  NO  
Enable to this option to get the featured image for the current post. \*\*\*Enable this option for single layouts used within CPT-R Linked Posts and CPT-R Related Posts modules\*\*\*

**Relationship:** Bookshop   
Choose the relationship you would like to use to lookup the linked posts featured image. If multiple linked posts are returned then the featured image for the first post will be displayed.

**Hyperlink Image:** YES   
Enable this option to turn the featured image into a hyperlink to the linked post.

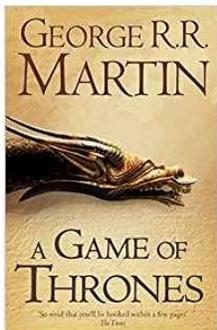
**Image Size:** medium

Save & Add To Library  Save & Exit

If we take a look at the books page you will now see the books featured image along with the authors name and featured image.



## A Game of Thrones



### About

Curabitur aliquet quam id dui posuere blandit. Curabitur non nulla sit amet nisl tempus convallis quis ac lectus. Sed porttitor lectus nibh.

Curabitur non nulla sit amet nisl tempus convallis quis ac lectus. Sed porttitor lectus nibh. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Donec velit neque, auctor sit amet aliquam vel, ullamcorper sit amet ligula.

Pellentesque in ipsum id orci porta dapibus. Nulla quis lorem ut libero malesuada feugiat. Vestibulum ac diam sit amet quam vehicula elementum sed sit amet dui.

## George RR Martin



**Please note:** If your layout is squashed together please use the following CSS snippet where **book** is your post slug.

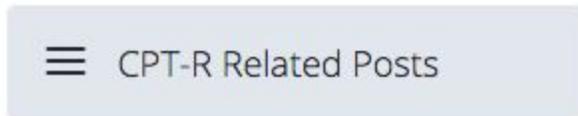
```
.single-book #et-boc .et_pb_row {  
    width: 100% !important;  
}
```

Next let's display a grid of other books by the author.

# CPT Relationships - Documentation



Within the second column add the 'CPT-R Related Posts' module. This will loop over all of the posts within the linked posts. For our example it will loop over all of the books within the author for the selected book.



### CPT-R Related Posts Module Settings

Content Design Advanced

#### Main Settings

**Title:**   
*Optionally add a title above the posts*

**Relationship:**   
*Choose the relationship you would like to use to lookup the related posts.*

**Post Type:**   
*Choose the post type of the posts you would like to return.*

**Loop Layout:**   
*Choose the layout you would like to use as the single template for the posts.*

**Layout:**   
*Toggle between the various blog layout types.*

**Grid Columns:**

[Save & Add To Library](#) [Save & Exit](#)

# CPT Relationships - Documentation



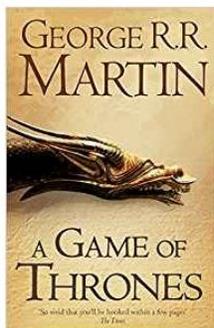
As you can see from the screenshot above we have selected our relationship 'Bookshop' and the post type we would like to display 'Books'. The layout being applied is our Book Single (Grid) layout and it is being applied to a grid layout with 3 columns.

If we take a look at the books page you will see the layout now includes the 2 other books we have for George RR Martin.



Home Authors Books

## A Game of Thrones



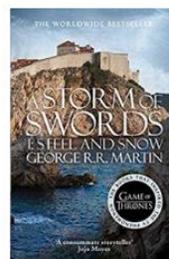
### About

Curabitur aliquet quam id dui posuere blandit. Curabitur non nulla sit amet nisl tempus convallis quis ac lectus. Sed porttitor lectus nibh.

Curabitur non nulla sit amet nisl tempus convallis quis ac lectus. Sed porttitor lectus nibh. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Donec velit neque, auctor sit amet aliquam vel, ullamcorper sit amet ligula.

Pellentesque in ipsum id orci porta dapibus. Nulla quis lorem ut libero malesuada feugiat. Vestibulum ac diam sit amet quam vehicula elementum sed sit amet dui.

## George RR Martin



A Storm of  
Swords - Part  
1



A Clash of  
Kings

Once you are happy with the books layout save it to your library so it can be applied to all of your books.



## Shortcodes

### Linked Post Title

If you would like to dynamically display the linked posts post title within your layout you can use the `[cptr_linked_post_title id=""]` shortcode.

The `cptr_linked_post_title` shortcodes take 1 parameter which is the relationship id of the relationship you would like to look up.

Going back to our example we may want to add a title above our other books called 'Other books by {the authors name}'

Todo this add a text module above the CPT-R Related Posts Module and add the shortcode with your relationship id.



When you view the book you will see the title has been added with the authors name.

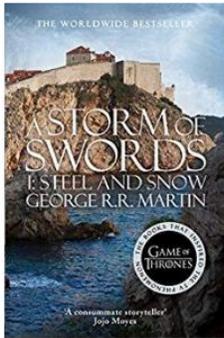


# CPT Relationships - Documentation



[Home](#) [Authors](#) [Books](#) 

## A Storm of Swords – Part 1



### About

Curabitur aliquet quam id dui posuere blandit. Curabitur non nulla sit amet nisl tempus convallis quis ac lectus. Sed porttitor lectus nibh.

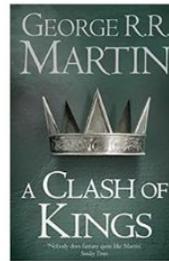
Curabitur non nulla sit amet nisl tempus convallis quis ac lectus. Sed porttitor lectus nibh. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Donec velit neque, auctor sit amet aliquam vel, ullamcorper sit amet ligula.

Pellentesque in ipsum id orci porta dapibus. Nulla quis lorem ut libero malesuada feugiat. Vestibulum ac diam sit amet quam vehicula elementum sed sit amet dui.

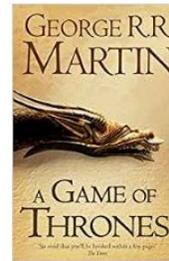
### George RR Martin



### Other books by George RR Martin



A Clash of Kings



A Game of Thrones



### Summary

Now you have successfully created a bi-directional relationship between 2 post types and display the linked and related posts using the Divi modules within CPT Relationships.

If you have any questions please don't hesitate to contact us [admin@wolfbyte.co.uk](mailto:admin@wolfbyte.co.uk)