

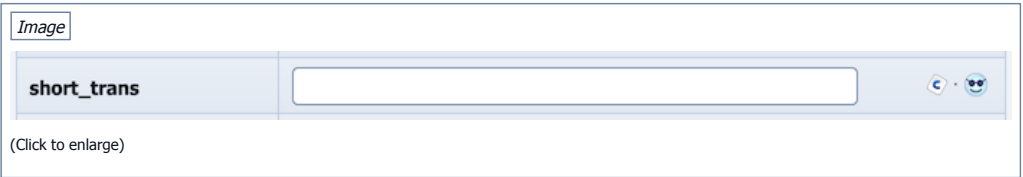
When building catalogues, custom fields for inbuilt content types, and Custom Profile Fields, you have a unified set of fields to choose from. This tutorial describes all the different fields and their options.

Table of contents

1. [Composr Tutorial: Custom fields](#)
 - a. [Text](#)
 1. [short_trans](#)
 2. [short_trans_multi](#)
 3. [short_text](#)
 4. [short_text_multi](#)
 5. [long_trans](#)
 6. [long_text](#)
 7. [posting_field](#)
 8. [codename](#)
 9. [password](#)
 10. [email](#)
 - b. [Numbers](#)
 1. [integer](#)
 2. [float](#)
 - c. [Choices](#)
 1. [list](#)
 2. [list_multi](#)
 3. [tick](#)
 - d. [Uploads/URLs](#)
 1. [upload](#)
 2. [upload_multi](#)
 3. [picture](#)
 4. [picture_multi](#)
 5. [video](#)
 6. [video_multi](#)
 7. [url](#)
 8. [url_multi](#)
 9. [page_link](#)
 10. [theme_image](#)
 - e. [Magic fields](#)
 1. [guid](#)
 - f. [References](#)
 1. [isbn](#)
 2. [reference](#)
 3. [reference_multi](#)
 4. [content_link](#)
 5. [content_link_multi](#)
 6. [member](#)
 7. [member_multi](#)
 8. [author](#)
 - g. [Other](#)
 1. [color](#)
 2. [date](#)
 3. [just_date](#)
 4. [just_time](#)
 5. [tel](#)
 - h. [Blank fields](#)
 - i. [Styling multiple-selection fields](#)
 - j. [Programming \(advanced\)](#)
 1. [Extending the set of fields](#)
 - k. [See also](#)

Text

short_trans

Title	A brief line of translatable/Comcode text
Storage format (for programmer reference)	Up to 255 characters of text (linked through translate table)
Special default values	<i>None</i>
Supported field options	<i>None</i>
Back-end UI	 <p>(Click to enlarge)</p>
Front-end UI	



short_trans_multi



Title	Multiple brief lines of translatable/Comcode text
Storage format (for programmer reference)	Text separated by linebreaks (no character limit) (linked through translate table)
Special default values	None
Supported field options	auto_sort=on off (whether to sort the entered options; default is off) num_required (the number of required values; default is 0 or 1 depending on if required is set) cms_type=line codename integer float email (which Composr styling and validation code to use; default is line)
Back-end UI	
Front-end UI	

short_text

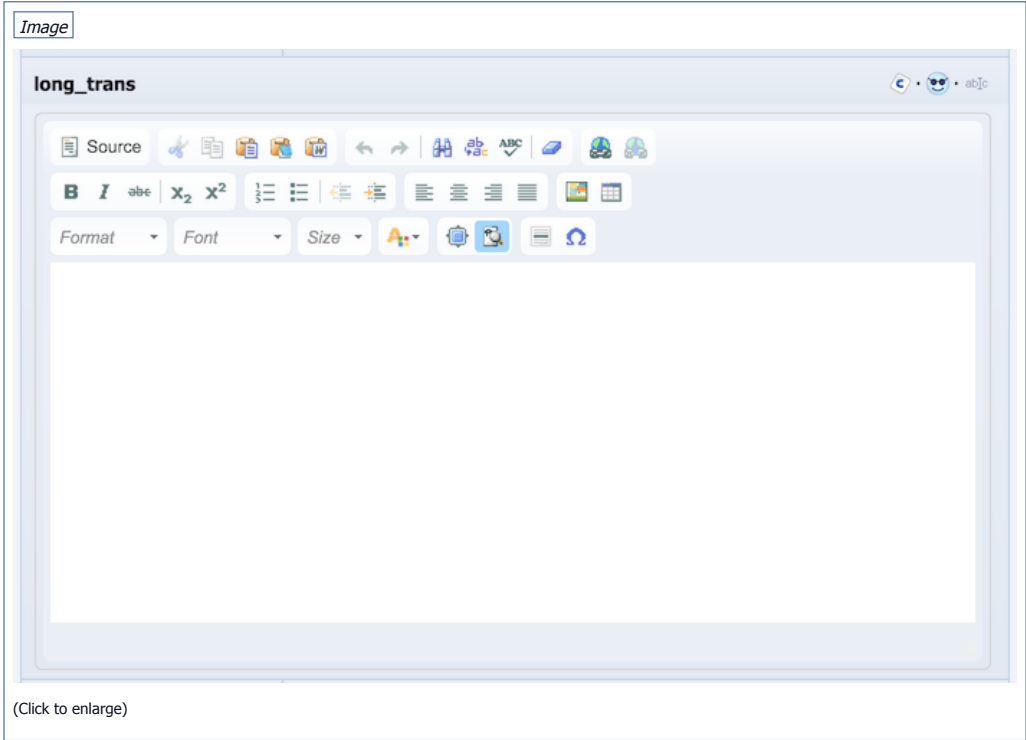
Title	A brief line of text (no Comcode support)
Storage format (for programmer reference)	Up to 255 characters of text
Special default values	None
Supported field options	maxlength (the number of characters to have as a maximum; default is 255)
Back-end UI	
Front-end UI	

short_text_multi

Title	Multiple brief lines of text (no Comcode support)
Storage format (for programmer reference)	Text separated by linebreaks (no character limit)

programmer reference)	
Special default values	<i>None</i>
Supported field options	auto_sort=on off (whether to sort the entered options; default is off) num_required (the number of required values; default is 0 or 1 depending on if required is set) cms_type=line codename integer float email (which Composr styling and validation code to use; default is line)
Back-end UI	
Front-end UI	

long_trans

Title	A paragraph(s) of translatable/Comcode text
Storage format (for programmer reference)	Text (linked through translate table)
Special default values	<i>None</i>
Supported field options	wysiwyg=on off (whether to enable the WYSIWYG editor; default is on) wordwrap=on off (whether to word-wrap lines in the editor, as opposed to horizontal scrolling; default is on) input_size (the number of lines in the text area; default is 9) maxlength (the number of characters to have as a maximum; default is to have no limit)
Back-end UI	
Front-end UI	

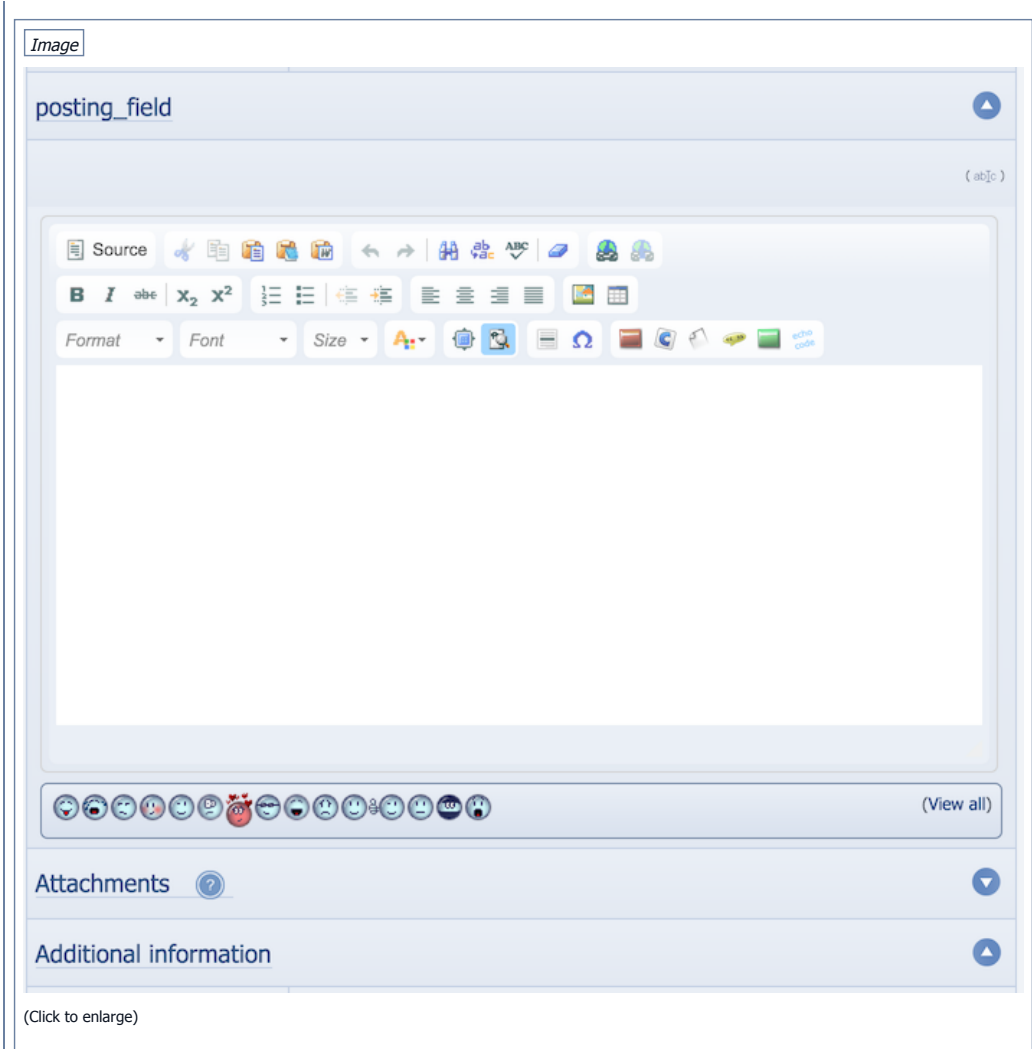


long_text

Title	A paragraph(s) of text (no Comcode support)
Storage format (for programmer reference)	Text
Special default values	<i>None</i>
Supported field options	<p>widget=text huge (widget type, huge is a full-width input and does not support the input_size option; default is text)</p> <p>wordwrap=on off (whether to word-wrap lines in the editor, as opposed to horizontal scrolling; default is on)</p> <p>input_size (the number of lines in the text area; default is 9)</p> <p>maxlength (the number of characters to have as a maximum; default is to have no limit)</p>
Back-end UI	
Front-end UI	

posting_field

Title	A paragraph(s) of Comcode, with attachment support
Storage format (for programmer reference)	Text (linked through translate table)
Special default values	<i>None</i>
Supported field options	<i>None</i>
Back-end UI	



Front-end UI




codename



Title	A codename (short sequence of numbers and letters, no spaces)
Storage format (for programmer reference)	RANDOM: 10 random numbers and letters (for catalogues it will be enforced as unique also)
Special default values	<i>None</i>
Supported field options	<i>None</i>
Back-end UI	codename When adding there is no UI if 'RANDOM' was used.
Front-end UI	<p>The screenshot shows the front-end UI for the 'codename' field. It features a text input field with a blue label 'codename' and the text 'test' inside. A '(Click to enlarge)' link is located below the input field.</p>

password

Title	A password (i.e. masked input)
Storage format (for	Up to 255 characters of text


programmer reference)	
Special default values	<i>None</i>
Supported field options	<i>None</i>
Back-end UI	 <p>(Click to enlarge)</p>
Front-end UI	 <p>(Click to enlarge)</p>

email

Title	An e-mail address
Storage format (for programmer reference)	Up to 255 characters of text (e-mail address, or blank)
Special default values	<code>! :</code> Current member's configured e-mail address
Supported field options	<i>None</i>
Back-end UI	 <p>(Click to enlarge)</p>
Front-end UI	 <p>(Click to enlarge)</p>

Numbers

integer

Title	An integer (whole number, e.g. 5)
Storage format (for programmer reference)	Integer, or null
Special default values	AUTO_INCREMENT: An automatically assigned sequential number
Supported field options	<i>None</i>
Back-end UI	 <p>(Click to enlarge)</p> <p>NB: When adding there is no UI if 'AUTO_INCREMENT' was used.</p>
Front-end UI	



float

Title	A float (decimal number, e.g. 3.2)
Storage format (for programmer reference)	Floating point number, or null
Special default values	<i>None</i>
Supported field options	<i>None</i>
Back-end UI	
Front-end UI	

Choices

list

Title	A value chosen from a list
Storage format (for programmer reference)	Selected/input text (programmer note: no character limit, so we can support very long list items)
Special default values	Options are delimited by " " (e.g. "This That Other"), with the real default value coming first. If you want the real default to be blank, start the list with a blank (it won't allow actual selection unless the list is set as non-required). The pathname relative to a .csv file (relative to base directory), if the non-bundled Nested CPF CSV Lists addon is installed.
Supported field options	custom_values=on off (whether to allow a custom typed value; if enabled then inline list widgets will not be available; default is off) dynamic_choices (whether to feed custom values back in as possible selections for others; default is off) value_remap=none country (if set to country then the full country names are shown for ISO country codes in the list options; default is none) auto_sort=on off (whether to sort the list options; default is off) input_size (the number of options shown in the list before scrolling is required, applies only to the 'inline' widget type; default is 9) widget=radio inline dropdown inline_huge dropdown_huge (whether to use a radio buttons, an inline list, or a dropdown list; default is dropdown) csv_heading (the column from the .csv file to use, if the default was set as a .csv file; default is to use the first column)
Back-end UI	

Image

list
(widget=dropdown,custom_values=on)

(Click to enlarge)

Image

list
(widget=inline,custom_values=off)

N/A
a
b
c

(Click to enlarge)

Image

list (widget=inline_huge,custom_values=off)

N/A
a
b
c

(Click to enlarge)

Image

list
(widget=radio,custom_values=on)

N/A
 a
 b
 c
 Other

(Click to enlarge)

Front-end UI

Image

list a

(Click to enlarge)

Image

list test
(widget=dropdown,custom_values=on)

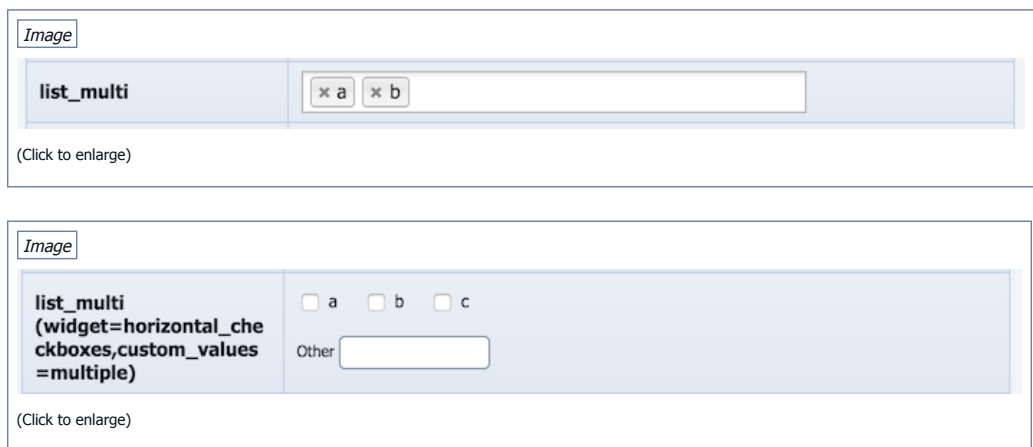
(Click to enlarge)

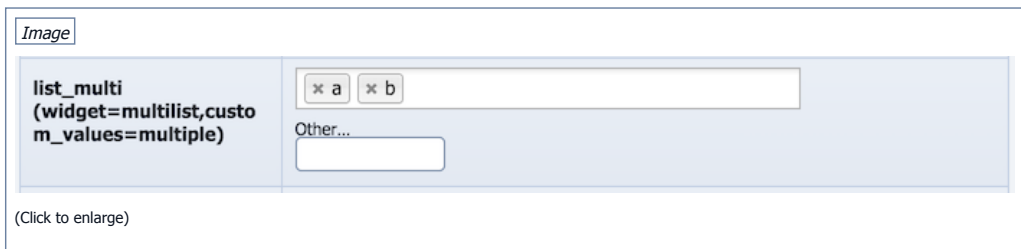
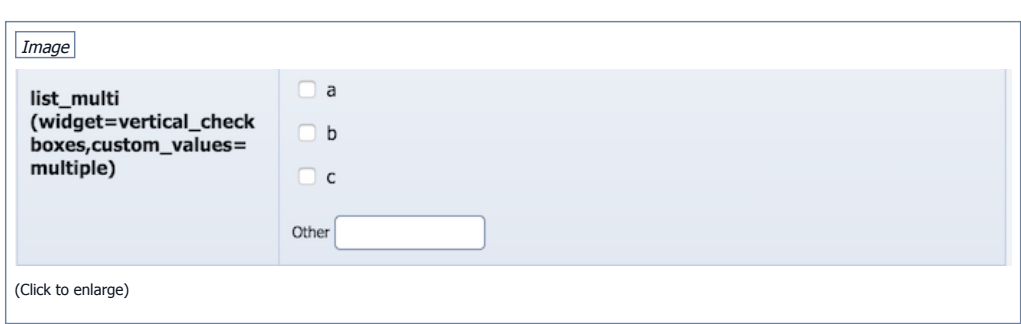


list_multi

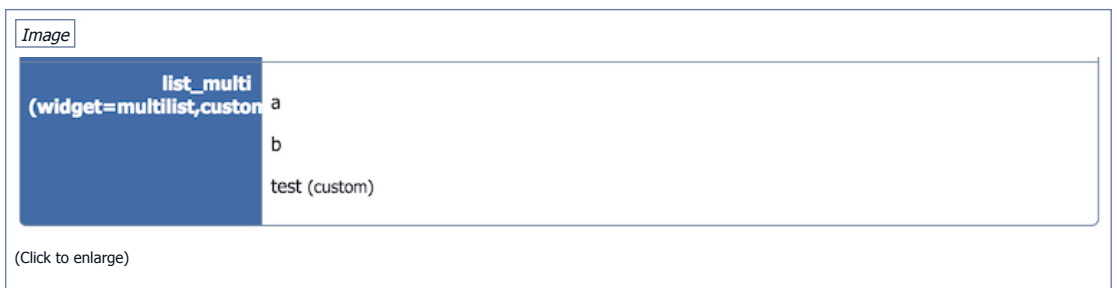
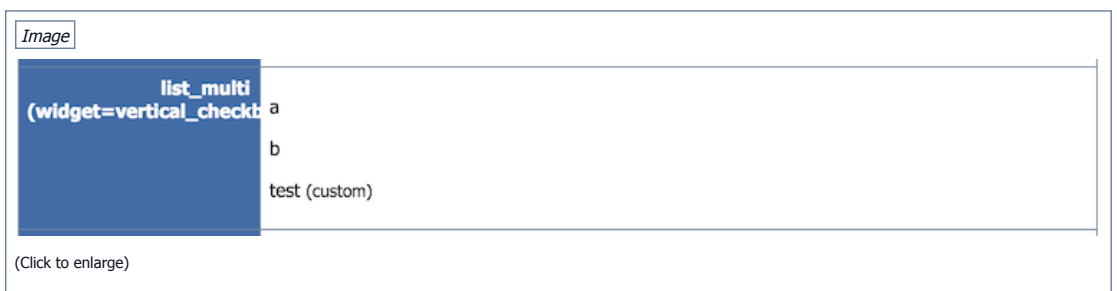
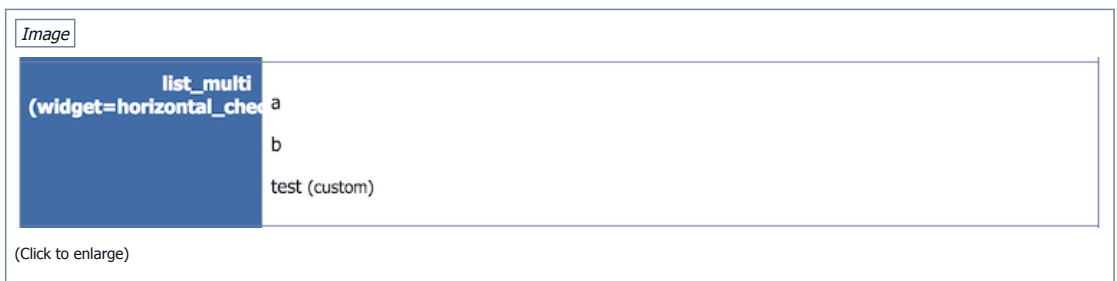
Title	Multiple values chosen from a list
Storage format (for programmer reference)	Selected/input text separated by linebreaks
Special default values	Options are delimited by " " (e.g. "This That Other"). The pathname relative to a .csv file (relative to base directory), if the non-bundled Nested CPF CSV Lists addon is installed.
Supported field options	auto_sort=off frontend backend both (choose front-end to sort the selected choices, choose back-end to sort the list options, choose both to sort both; default is off) show_unset_values=on off (whether to show non-set list options on the front-end with a cross next to them; default is off) custom_values=off single multiple (whether to allow a custom typed value; default is off) dynamic_choices (whether to feed custom values back in as possible selections for others; default is off) widget=vertical_checkboxes horizontal_checkboxes multilist (what input style to use; default is multilist) input_size (the number of options shown in the list before scrolling is required, applies only to the 'inline' widget type; default is 5)

Back-end UI



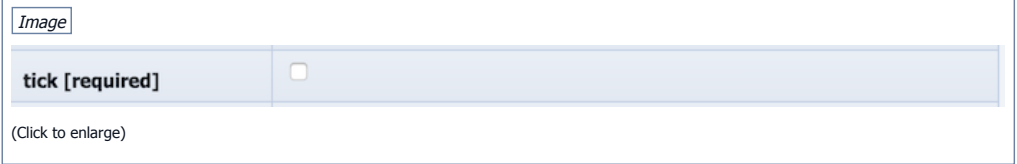
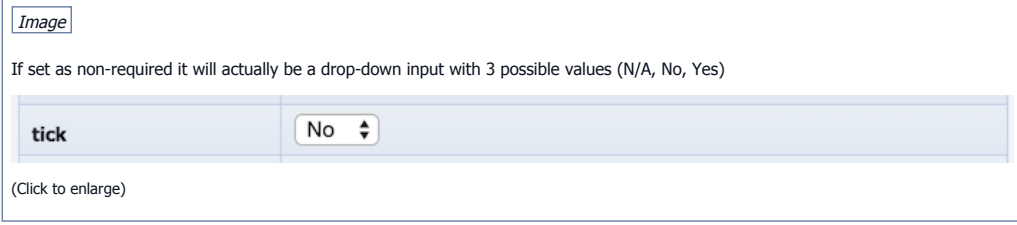




Front-end UI



tick

Title	Checkbox ('Yes' or 'No')
Storage format (for programmer reference)	Integer (0 or 1)

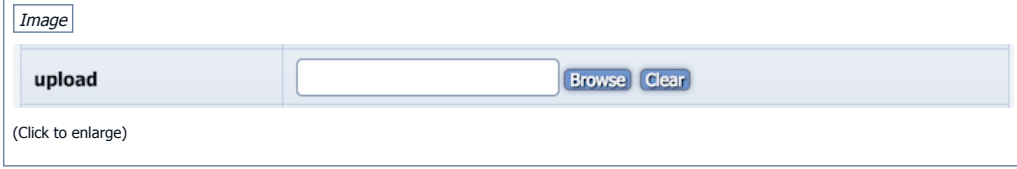

Special default values	<i>None</i>
Supported field options	<i>None</i>
Back-end UI	 <p><i>Image</i></p> <p>tick [required] <input type="checkbox"/></p> <p>(Click to enlarge)</p>
	 <p><i>Image</i></p> <p>If set as non-required it will actually be a drop-down input with 3 possible values (N/A, No, Yes)</p> <p>tick No ▾</p> <p>(Click to enlarge)</p>
Front-end UI	 <p><i>Image</i></p> <p>tick [required] Yes</p> <p>(Click to enlarge)</p>
	 <p><i>Image</i></p> <p>tick Yes</p> <p>(Click to enlarge)</p>

Uploads/URLs

The fields that take "uploaded" files allow you to select files direct from your computer.

The first image-like field will be injected into screen meta-data (i.e. will come up on Facebook shares due to being the OpenGraph image for the entry).

upload



Title	An uploaded file
Storage format (for programmer reference)	Up to 255 characters of text ([::], or blank)
Special default values	<i>None</i>
Supported field options	filetype_filter (comma separated list of file extensions; default is not to have a filter)
Back-end UI	 <p><i>Image</i></p> <p>upload <input type="text"/> Browse Clear</p> <p>(Click to enlarge)</p>
Front-end UI	 <p><i>Image</i></p> <p>upload test.png</p> <p>(Click to enlarge)</p>

upload_multi

Title	Multiple uploaded files
Storage format (for	[::] separated by linebreaks


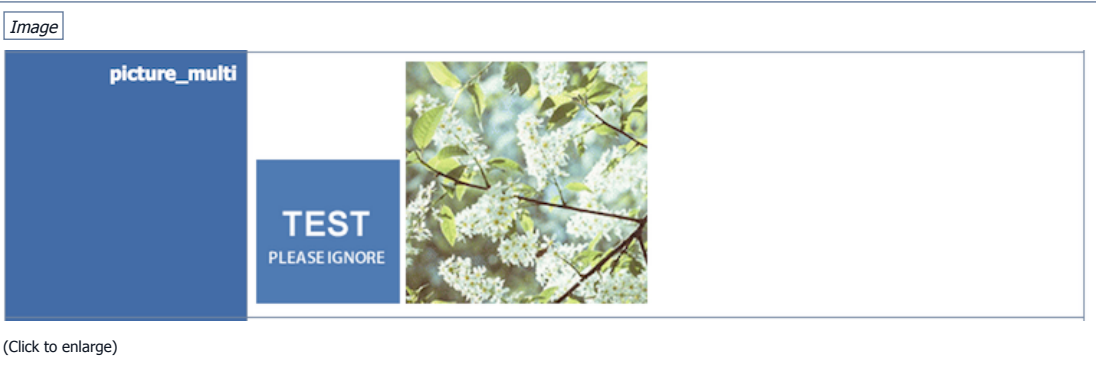
programmer reference)	
Special default values	<i>None</i>
Supported field options	auto_sort=on off (whether to sort the entered options; default is off) filetype_filter (comma separated list of file extensions; default is not to have a filter)
Back-end UI	 <p>(Click to enlarge)</p>
Front-end UI	 <p>(Click to enlarge)</p>

picture



Title	An uploaded picture
Storage format (for programmer reference)	Up to 255 characters of text (URL, or blank)
Special default values	<i>None</i>
Supported field options	width (the width all the media will be shown at; default is to auto-detect for each individual file) height (the height all the media will be shown at; default is to auto-detect for each individual file)
Back-end UI	 <p>(Click to enlarge)</p>
Front-end UI	 <p>(Click to enlarge)</p>

picture_multi

Title	Multiple uploaded pictures
Storage format (for programmer reference)	URLs separated by linebreaks
Special default values	<i>None</i>
Supported field options	width (the width all the media will be shown at; default is to auto-detect for each individual file) height (the height all the media will be shown at; default is to auto-detect for each individual file)
Back-end UI	

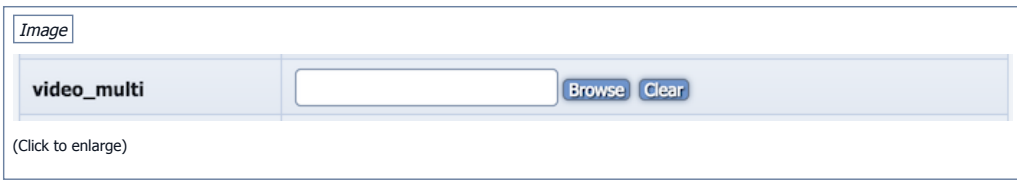
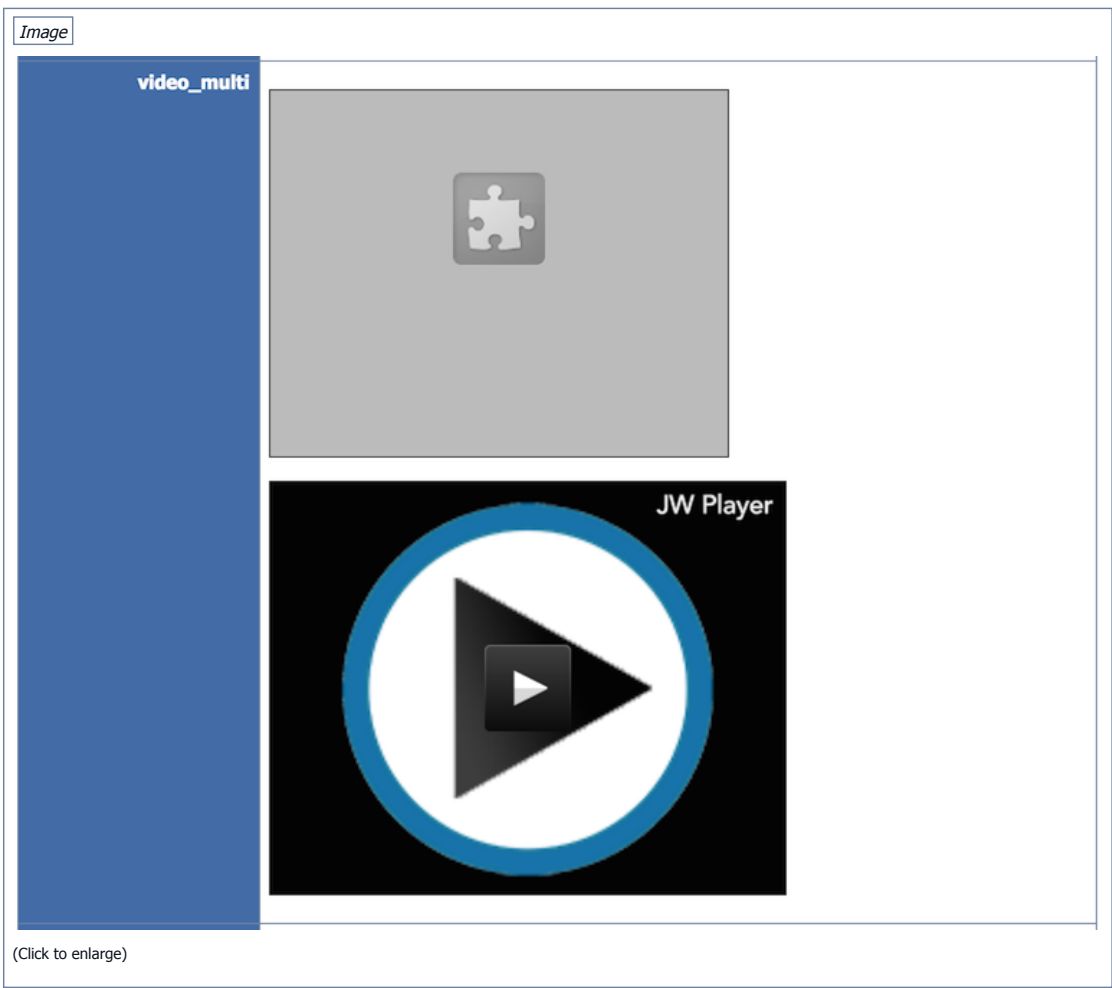
	 <p>Image</p> <p>picture_multi <input type="text"/> Browse Clear</p> <p>(Click to enlarge)</p>
<p>Front-end UI</p>	 <p>Image</p> <p>picture_multi</p> <p>TEST PLEASE IGNORE</p> <p>(Click to enlarge)</p>

video


<p>Title</p>	<p>An uploaded video</p>
<p>Storage format (for programmer reference)</p>	<p>Up to 255 characters of text ([] , or blank) (if we can we will transcode the video and create a thumbnail)</p>
<p>Special default values</p>	<p>None</p>
<p>Supported field options</p>	<p>width (the width all the media will be shown at; default is to auto-detect for each individual file)</p> <p>height (the height all the media will be shown at; default is to auto-detect for each individual file)</p>
<p>Back-end UI</p>	 <p>Image</p> <p>video <input type="text"/> Browse Clear</p> <p>(Click to enlarge)</p>
<p>Front-end UI</p>	 <p>Image</p> <p>video</p> <p>JW Player</p> <p>(Click to enlarge)</p>

video_multi

<p>Title</p>	<p>Multiple uploaded videos</p>
<p>Storage format (for</p>	<p>[] separated by linebreaks (if we can we will transcode the video and create a thumbnail)</p>

programmer reference)	
Special default values	<i>None</i>
Supported field options	width (the width all the media will be shown at; default is to auto-detect for each individual file) height (the height all the media will be shown at; default is to auto-detect for each individual file)
Back-end UI	 <p>The back-end UI shows a label 'video_multi' next to an empty text input field. To the right of the input are two buttons: 'Browse' and 'Clear'. Below the input field is the text '(Click to enlarge)'.</p>
Front-end UI	 <p>The front-end UI shows a blue vertical bar on the left with the label 'video_multi'. To its right is a large gray square containing a puzzle piece icon. Below the gray square is a JW Player video player with a large play button in the center. Below the video player is the text '(Click to enlarge)'.</p> <p>NB: You can see I uploaded a non-web-safe video as the first video. We do support these, but they'll only play on browsers with an appropriate plugin installed (unlike mine).</p>

url

Title	An URL
Storage format (for programmer reference)	Up to 255 characters of text (URL, or blank); common URL errors will be fixed
Special default values	<i>None</i>
Supported field options	<i>None</i>
Back-end UI	 <p>The back-end UI shows a label 'url' next to a text input field containing 'http://'. Below the input field is the text '(Click to enlarge)'.</p>
Front-end UI	



url_multi

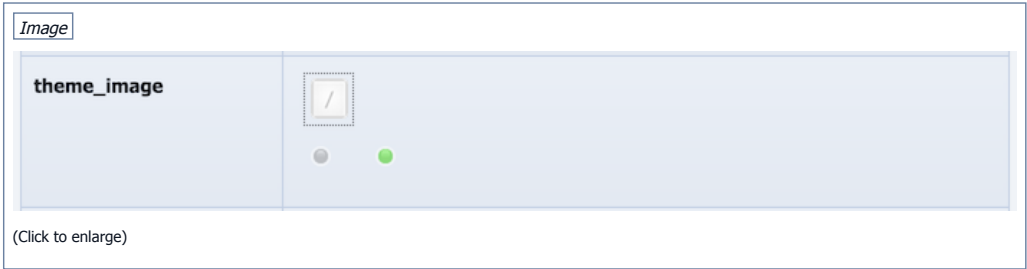

Title	Multiple URLs
Storage format (for programmer reference)	URLs separated by linebreaks; common URL errors will be fixed
Special default values	<i>None</i>
Supported field options	auto_sort=on off (whether to sort the entered options; default is off)
Back-end UI	
Front-end UI	

page_link

Title	A page-link (i.e. in-site link)
Storage format (for programmer reference)	Up to 255 characters of text ([])
Special default values	<i>None</i>
Supported field options	<i>None</i>
Back-end UI	
Front-end UI	

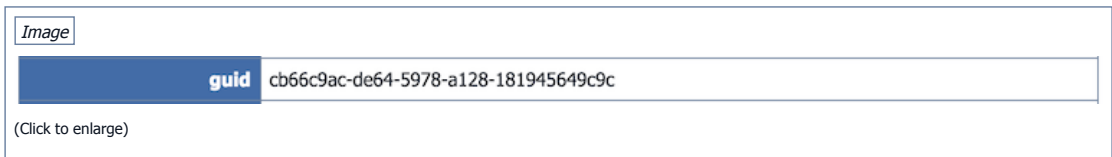
theme_image

Title	An image from the xxx directory of theme images
Storage format (for programmer reference)	Up to 255 characters of text (theme image ID, or blank)

Special default values	<i>None</i>
Supported field options	width (the width all the media will be shown at; default is to auto-detect for each individual file) height (the height all the media will be shown at; default is to auto-detect for each individual file)
Back-end UI	
Front-end UI	



Magic fields

guid



Title	A GUID (Globally-Unique Identifier)
Storage format (for programmer reference)	Up to 255 characters of text (though less stored)
Special default values	N/A: Default is auto-assigned
Supported field options	<i>None</i>
Back-end UI	When adding there is no UI. When editing it looks like codename
Front-end UI	

References

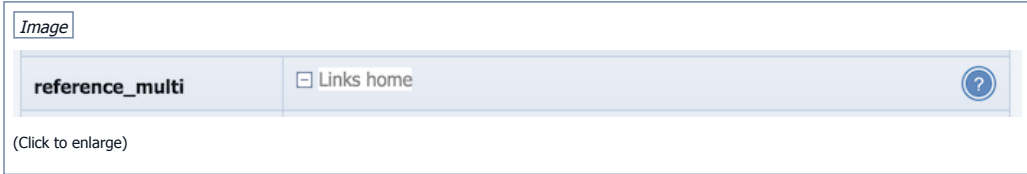

isbn

Title	ISBN code
Storage format (for programmer reference)	Up to 255 characters of text
Special default values	<i>None</i>
Supported field options	<i>None</i>
Back-end UI	
Front-end UI	


reference

Title	A reference to a catalogue entry in xxx catalogue
Storage format (for programmer reference)	Content ID (to whatever catalogue the reference is for), or blank
Special default values	<i>None</i>
Supported field options	<i>None</i>
Back-end UI	
Front-end UI	

reference_multi

Title	Multiple references to a catalogue entry in xxx catalogue
Storage format (for programmer reference)	Content IDs (to whatever catalogue the reference is for) separated by linebreaks
Special default values	<i>None</i>
Supported field options	auto_sort=on off (whether to sort the entered options; default is off)
Back-end UI	
Front-end UI	

content_link

Title	A link to an item of 'xxx' content
Storage format (for programmer reference)	Content ID, or blank
Special default values	<i>None</i>
Supported field options	<i>None</i>
Back-end UI	

NB: Where we support Composr tree-list inputters (like shown for 'reference') for the content types that use them. This screenshot shows

input for a 'poll', which is a flat structure and hence just works via a normal drop-down list.

Front-end UI



content_link_multi



Title	Multiple links to an item of 'xxx' content
Storage format (for programmer reference)	Content IDs separated by linebreaks
Special default values	<i>None</i>
Supported field options	auto_sort=on off (whether to sort the entered options; default is off)
Back-end UI	<p>NB: Where we support Composr tree-list inputters (like shown for 'reference') for the content types that use them. This screenshot shows input for a 'poll', which is a flat structure and hence just works via a normal drop-down list.</p>
Front-end UI	

member

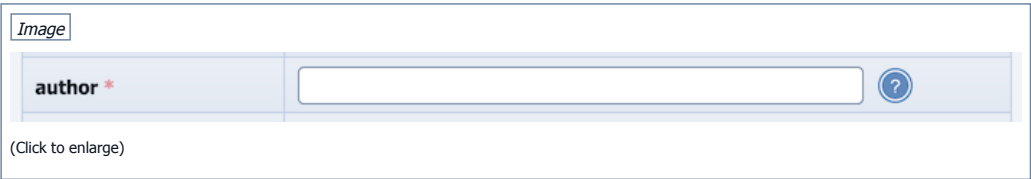

Title	A member ID
Storage format (for programmer reference)	Member ID, or null
Special default values	!: Current user's username
Supported field options	<i>None</i>
Back-end UI	
Front-end UI	

member_multi

Title	Multiple member IDs
Storage format (for programmer reference)	Member IDs separated by linebreaks


programmer reference)	
Special default values	! : Current user's username
Supported field options	auto_sort=on off (whether to sort the entered options; default is off)
Back-end UI	
Front-end UI	


author

Title	An author configured on the system
Storage format (for programmer reference)	Up to 255 characters of text (author)
Special default values	None
Supported field options	None
Back-end UI	
Front-end UI	

Other

color

Title	A colour
Storage format (for programmer reference)	Colour hex code with no "#" (e.g. AAAAAA), or blank
Special default values	None
Supported field options	None
Back-end UI	
Front-end UI	





color

 b4e4a4



(Click to enlarge)

NB: There is no special styling by default: this field exists so as to provide a colour-picker field input for those who will then take the data and use it in a useful way.

date



Title	A date/time
Storage format (for programmer reference)	yyyy-mm-dd hh:mm, or blank
Special default values	<i>None</i>
Supported field options	min_year=YYYY max_year=YYYY (defaults place selection around current year)
Back-end UI	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">  <div style="background-color: #003366; color: white; padding: 2px 5px; display: inline-block;">date</div> dd/mm/yyyy Time --:-- </div> <p>(Click to enlarge)</p>
Front-end UI	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">  <div style="background-color: #003366; color: white; padding: 2px 5px; display: inline-block;">date</div> April 9th 2015, 11:00 PM </div> <p>(Click to enlarge)</p>

just_date



Title	A date
Storage format (for programmer reference)	yyyy-mm-dd, or blank (due to fixed alignment, string inequality comparisons work effectively)
Special default values	<i>None</i>
Supported field options	min_year=YYYY max_year=YYYY (defaults place selection around current year)
Back-end UI	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">  <div style="background-color: #003366; color: white; padding: 2px 5px; display: inline-block;">just_date</div> dd/mm/yyyy </div> <p>(Click to enlarge)</p>
Front-end UI	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">  <div style="background-color: #003366; color: white; padding: 2px 5px; display: inline-block;">just_date</div> April 16th 2015 </div> <p>(Click to enlarge)</p>

just_time

Title	A time
Storage format (for programmer reference)	hh:mm, or blank (due to fixed alignment, string inequality comparisons work effectively)

Special default values	<i>None</i>
Supported field options	<i>None</i>
Back-end UI	
Front-end UI	

tel

Title	A telephone number
Storage format (for programmer reference)	Up to 255 characters of text
Special default values	<i>None</i>
Supported field options	<i>None</i>
Back-end UI	
Front-end UI	

Blank fields

In almost all cases a field left as blank will not show in the default templates at all. 'color' is the only exception to this (at the time of writing), as there is no way to actually leave that input field blank.

Styling multiple-selection fields

The fields that support multiple-selection will typically output the different selections sequentially without much styling. It is up to the theme designer to write CSS rules to lay these out in an appropriate way.

Programming (advanced)

Generally the fields system is built on top of the lower level fields API within Composr, which is itself built on standard Composr templates.

Extending the set of fields

Programmers may add new field types by writing new `systems/fields` hook code files. Programming is beyond the scope of this tutorial, but it is relatively easy for a programmer to see how the existing hooks were coded (all existing fields are hook-based too).

Concepts	
Front-end	The regular website
Back-end	The administration, adding, editing, etc

See also

- [Catalogues](#)

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