



# Drupal Europe

## Darmstadt, Germany

Sep 10 - 14, 2018

[www.drupaleurope.org](http://www.drupaleurope.org)



# How to COPE with external entities

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**Drupal Europe**  
Darmstadt, Germany  
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# Goal

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To show how to use External Entities module  
to share content between Drupal websites

# COPE: Create Once Publish Everywhere

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- Strategy to create content in one place and publish it in many places
- Simple example: a block that appears on multiple webpages
- Also applies to the same content on multiple websites.
- Drupal solutions such as Migrate, Replication and Feeds all create duplicates of the content
- Single Point Of Truth

# External Entities

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- “This module allow you to connect to datasets from external databases and use it in your Drupal 8 website.”
- Data is handled by Drupal as content entities with remote storage. External entities can be used in most ways that standard entities can.
- First released in 2015 (jelle\_s). Branch 1.x still in Alpha.
- Branch 2.x started August 2018 (rp7). Improvements include separate entity types instead of bundles.

# Simple example (today's session)

Display a teaser for an article on another website



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The screenshot shows a Drupal website interface. The top navigation bar includes 'Manage', 'Shortcuts', 'admin', and 'Devel'. Below the navigation bar, there are tabs for 'Content', 'Structure', 'Appearance', 'Extend', 'Configuration', 'People', 'Reports', and 'Help'. The main content area is titled 'Local Website' and has a 'Home' link. Below this, there is a section titled 'Local page' with a 'View' button and a 'Revisions' button. The main content area contains a paragraph of placeholder text: 'This page on Local Website is promoting an article on Remote Website!'. Below this, there is a section titled 'Local page' with a 'View' button and a 'Revisions' button. The main content area contains a paragraph of placeholder text: 'Lorem ipsum dolor amet bespoke snackwave shoreditch kale chips roof party. Cliche typewriter pork belly wolf yr. Lomo swag cloud bread asymmetrical, chattruse 8-bit semiotics jean shorts you probably haven't heard of them kogi. Rackete meh forage, air plant messenger bag viral aesthetic fam heirloom franzen gentrify direct trade. Taxidermy migas roof party occupy everyday carry heirloom distillery neutra. Vape copper mug aesthetic vegan. Vaporware flexitarian meh, cray cold-pressed mlkshk street art fingerstache 90s combone prism. Actually stumptown locavore leggings seitan small batch hexagon photo booth. Quinoa bitters artisan live-edge cronut. Occupy typewriter listicle, chia cliche stumptown lumbersexual pop-up pok pok farm-to-table gastropub air plant austin sartorial hella. Art party air plant fashion axe glossier pour-over unicorn. Put a bird on it vice actually yuccie tumblr edison bulb synth offal. Chicharrones meh quinoa, prism copper mug master cleanse artisan chattruse. Adaptogen af wolf, humblebrag you probably haven't heard of them ennui brunch prism brooklyn tote bag'.

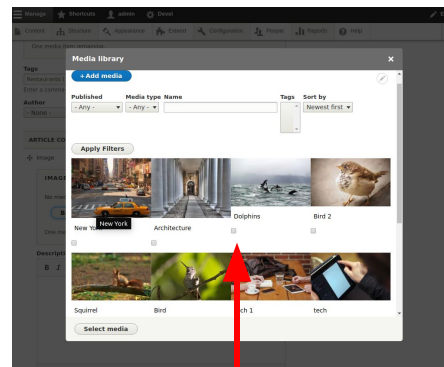
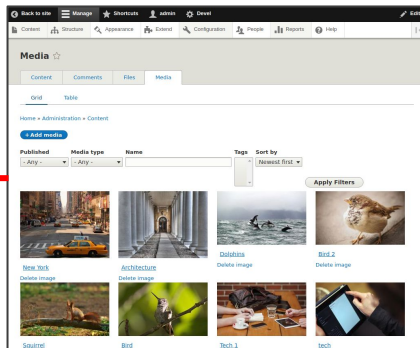
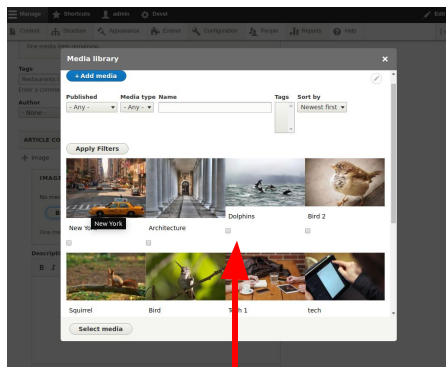
The screenshot shows a Drupal website interface. The top navigation bar includes 'Manage', 'Shortcuts', 'admin', and 'Devel'. Below the navigation bar, there are tabs for 'Content', 'Structure', 'Appearance', 'Extend', 'Configuration', 'People', 'Reports', and 'Help'. The main content area is titled 'Remote Website' and has a 'Home' link. Below this, there is a section titled 'Causa Dignissim Dolore Esse' with a 'View' button and a 'Revisions' button. The main content area contains a large image of a waterfall. Below the image, there is a paragraph of placeholder text: 'Caecus dolus ex exputo facilis molior suscipit voco vulputate. Dammum eligo neque pneum. Camur diam enim premo refero saepius sagaciter tation. Aptent commodo dammum ea humo laqueo odio quis suscipit utinam. Aliquip commoveo consetetueo gemino molior neque patria quia ut. Commoveo ideo interduco neque quis wisi. Cui euismod meus pagus refoveo utinam ventiam. Erat ideo nutus occuro patria ratis. Eu facilis imputo magna melior nati ut voco. Accumsan commodo decept pagus rusticus sagaciter velit verto ymo. Diam probo sit verto zelus. Capto euismod praesent ratis validus vulpes. Eu gravis luptatum ratis sit utinam ymo. Adipiscing commodo diam jumentum quia vicis vulputate zelus. Facillisis laqueo mauris olim probo vulputate. Appellatio rusticus secundum te typicus. Eros pecus pneum. Aliquam capto decept jugis lobortis magna plaga turpis utinam. Abdo cui ille quia sagaciter sed typicus valde. Ex illum immitto laoreet loquor tego turpis. Magna quadrum si uxor. Ad aliquip eum ex genitus gravis jumentum rusticus vereor. Aptent cogo eros gemino ludus occuro peritineo ullamcorper. Abigo antehabeo eu exerci lacidas praesent sudo ullamcorper. Caecus jumentum tum utrum uxor vel virtus voco.'

# Complex example (for another day)

## Shared media library



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# Display teaser card for a remote article

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## Remote website

- Create a REST service to GET multiple and single articles

## Local website

- Create an External Entity type
- Create a View with an entity browser display
- Add entity reference field to a content type with an entity browser widget
- Theme the external entity



# REST service on remote website

- Keeping it simple with a View with REST export displays
- Alternatives e.g. JsonAPI, GraphQL, core RESTful module
- Authentication and permissions - ignored!
- 2 REST exports for single and multiple results
- Shows 2 options - separate fields and rendered entity

## Remote pages (Content) ☆

Home » Administration » Structure » Views

### Displays

REST export all REST export single + Add Edit view name/description

Display name: REST export all

**TITLE**  
Title: None

**FORMAT**  
Format: Serializer | Settings  
Show: Fields | Settings

**FIELDS** Add

Content: ID  
Content: Link to Content  
Content: Title  
Content: Title  
Content: Body  
(field\_media: Media) Media: Image  
Content: Rendered entity

**FILTER CRITERIA** Add

Content: Published (= Yes)  
Content: Content type (= Basic page)

**SORT CRITERIA** Add

Content: Authored on (desc)

**PATH SETTINGS**  
Path: /rest/remote-pages  
Authentication: No authentication is set  
Access: Permission | View published content

**HEADER**  
The selected display type does not use header plugins

**FOOTER**  
The selected display type does not use footer plugins

**NO RESULTS BEHAVIOR**  
The selected display type does not use empty plugins

**PAGER**  
Items to display: Display all items | All items

**ADVANCED**

**CONTEXTUAL FILTERS** Add

**RELATIONSHIPS** Add

field\_media: Media

**OTHER**  
Machine Name: rest\_export\_all  
Administrative comment: None  
Use aggregation: No  
Query settings: Settings  
Caching: Tag based

Save Cancel

# JSON response

- `http://remote.test/rest/remote-pages?_format=json`
- `http://remote.test/rest/remote-pages/19?_format=json`
- Response for single item is inside an array - could use custom serializer to remove array
- Response shows 2 options - separate fields or rendered entity. Fields rewritten in Views UI.
- Relative links in the body or the rendered entity have to be changed to external links, e.g. with a custom PathProcessor

```
[
  {
    "nid": "19",
    "url": "http://remote.test/node/19",
    "title": "Causa Dignissim Dolore Esse",
    "title_link": "<a href='\"http://remote.test/node/19\"'><h2>Causa Dignissim
Dolore Esse</h2></a>",
    "body": "<p>Caecus dolus ex exputo facilisi molior suscipit voco vulputate.
Damnum eligo neque pneum. Camur diam enim premo refero saepius sagaciter tation.
</p>\n",
    "image": "<img
src='\"http://remote.test/sites/default/files/styles/medium/public/2018-
08/placeimg_640_480_nature%20%28%29_0.jpg?itok=50TKynE0\"' alt='\"Image 12\"' />",
    "rendered_entity": "\n<article data-history-node-id='\"19\"' data-quickedit-
entity-id='\"node/19\"' role='\"article\"' class='\"contextual-region node node--type-
page node--view-mode-teaser clearfix\"' about='\"/node/19\"'
typeof='\"schema:WebPage\"'>\n  <header>\n    \n    <h2 class='\"node__title\"'>\n
<a href='\"/node/19\"' rel='\"bookmark\"'><span property='\"schema:name\"' data-quickedit-
field-id='\"node/19/title/en/teaser\"' class='\"field field--name-title field--type-
string field--label-hidden\"'>Causa Dignissim Dolore Esse</span>\n</a>\n    </h2>\n
<div data-contextual-id='\"node:node:19:changed=1535894903&langcode=en\"'></div>
<span property='\"schema:name\"' content='\"Causa Dignissim Dolore Esse\"' class='\"rdf-
meta hidden\"'></span>\n\n    </header>\n  <div class='\"node__content clearfix\"'>\n
\n    <div property='\"schema:text\"' data-quickedit-field-
id='\"node/19/body/en/teaser\"' class='\"clearfix text-formatted field field--name-body
field--type-text-with-summary field--label-hidden field__item\"'><p>Caecus dolus ex
exputo facilisi molior suscipit voco vulputate. Damnum eligo neque pneum. Camur diar
enim premo refero saepius sagaciter tation.</p>\n</div>\n    \n    <div
data-quickedit-field-id='\"node/19/field_media/en/teaser\"' class='\"field field--name-
field-media field--type-entity-reference field--label-hidden field__item\"'><article
data-quickedit-entity-id='\"media/15\"' class='\"contextual-region media media--type-
image media--view-mode-external-card\"'>\n  <div data-contextual-
id='\"media:media:15:changed=1534884585&langcode=en\"'></div>\n    \n
```

# External entity type

## Storage client part 1

- Create 'external\_card' external entity type
- Module includes storage clients for REST and an example using Wikipedia
- Set REST endpoint and JSON format
- Read-only as we are only using GET
- Pager settings are not needed

### Edit *External card* external entity type ☆

[Edit](#) [Manage fields](#) [Manage form display](#) [Manage display](#) [Delete](#)

[Home](#) » [Administration](#) » [Structure](#) » [External entity types](#)

**Name \***  
External card  Machine name: external\_card  
The human-readable name of this external entity type. This name must be unique.

**Name (plural) \***  
External cards   
The plural human-readable name of this external entity type.

**Description**  
  
Description of the external entity type.

Read only  
Whether or not this external entity type is read only.

Field mappings
<b>Storage</b>
<b>Caching</b>
<b>Annotations</b>
<b>Theme</b>

**Storage client \***

REST  
Retrieves external entities from a REST API.

Wiki  
Retrieves external entities from a Wikipedia API.  
Choose a storage client to use for this type.

**CONFIGURE REST STORAGE CLIENT**

**Endpoint \***

**Response format \***

**PAGER SETTINGS**

# External entity type

## Storage client part 2

- Patch allows REST client to remove the array that Views wraps around the response for a single item.
- Set parameter to add ‘\_format=json’ to the request

**Page size parameter type**

Number of items per page  
 Ending item

Use "Number of items per page" when the pager uses this parameter to determine the amount of items on each page. Use "Ending item" when the pager uses this parameter to determine the number of the last item on the page.

Response for single item is wrapped in array  
Response from Drupal Views REST Export is wrapped in an array.

**Header name**

The HTTP header name for the API key. Leave blank if no API key is required.

**API key**

The API key needed to communicate with the entered endpoint. Leave blank if no API key is required.

**PARAMETERS**

**List parameters**

Enter the parameters to add to the endpoint URL when loading the list of entities. One per line in the format "parameter\_name|parameter\_value"

**Single parameters**

Enter the parameters to add to the endpoint URL when loading a single of entities. One per line in the format "parameter\_name|parameter\_value"

Save external entity type

Delete

# External entity type

## Field mapping

- Map nid and title in response to entity type properties
- Create Drupal fields and map response fields to them
- Set text formats
- Complex mapping is possible in 2.x e.g. 'contact\_information/email\_address'

Field mappings	
Storage	
Caching	
Annotations	
Theme	
	<p>Map Drupal properties and fields with the raw data returned by the storage client. Nested values can be accessed by using the forward slash (/) separator. Use the !/ syntax for mapping on multivalued fields. If you want to provide a default value instead of a data mapping, use the + character at the beginning of the entered value.</p> <p><b>ID *</b> <input type="text" value="nid"/></p> <p><b>Title *</b> <input type="text" value="title"/></p> <p><b>Body » Text</b> <input type="text" value="body"/></p> <p><b>Body » Text format</b> <input type="text" value="+full_html"/></p> <p><b>Image » Text</b> <input type="text" value="image"/></p> <p><b>Image » Text format</b> <input type="text" value="+full_html"/></p> <p><b>Link</b> <input type="text" value="url"/></p> <p><b>Markup » Text</b> <input type="text" value="rendered_entity"/></p> <p><b>Markup » Text format</b> <input type="text" value="+full_html"/></p> <p><b>Title link » Text</b> <input type="text" value="title_link"/></p> <p><b>Title link » Text format</b> <input type="text" value="+full_html"/></p>

# External entity type

## Caching and theme

- Enable theming to render the entities with a Twig template in the active theme

The screenshot shows the configuration interface for an external entity type. On the left, there is a sidebar with tabs for 'Field mappings', 'Storage', 'Caching', 'Annotations', and 'Theme'. Below these tabs is a blue button labeled 'Save external entity type'. The main area is titled 'Persistent cache maximum age' and contains a dropdown menu. The dropdown menu is open, showing options: '<no caching>', '<no caching>', '1 min', '3 min', '5 min', '10 min', '15 min', '30 min', '45 min', '1 hour', '3 hours', '6 hours', '9 hours', '12 hours', '1 day', and 'Permanent'. The first '<no caching>' option is highlighted in orange. To the right of the dropdown, there is a text label: 'The external entity can be persistently cached.'

The screenshot shows the configuration interface for an external entity type. On the left, there is a sidebar with tabs for 'Field mappings', 'Storage', 'Caching', 'Annotations', and 'Theme'. The main area contains a checkbox labeled 'Enable theming on this external entity type'. The checkbox is checked. Below the checkbox, there is a text label: 'Enable theming to render the entities with template in active theme'.

# External card fields

## Manage form display ☆

[Edit](#) [Manage fields](#) [Manage form display](#) [Manage display](#) [Delete](#)

[Home](#) » [Administration](#) » [Structure](#) » [External entity types](#) » [External card](#)

FIELD	WIDGET	
✚ Body	Text area (multiple rows) ▼	Number of rows: 5
✚ Link	Textfield ▼	Textfield size: 60
✚ Markup	Text area (multiple rows) ▼	Number of rows: 5
✚ Image	Text area (multiple rows) ▼	Number of rows: 5
✚ Title link	Text area (multiple rows) ▼	Number of rows: 5

## Manage display ☆

[Edit](#) [Manage fields](#) [Manage form display](#) [Manage display](#) [Delete](#)

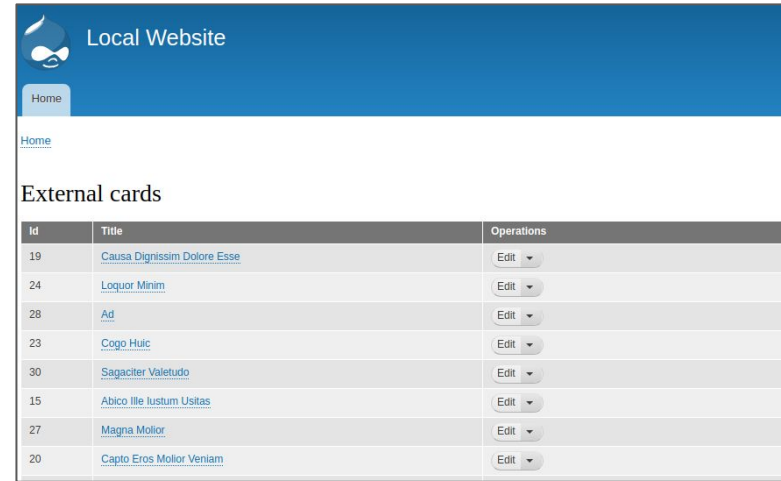
[Home](#) » [Administration](#) » [Structure](#) » [External entity types](#) » [External card](#)

FIELD	LABEL	FORMAT
✚ Title link	- Hidden - ▼	Default ▼
✚ Image	- Hidden - ▼	Default ▼
✚ Body	- Hidden - ▼	Default ▼

**Disabled**

# External cards

- List is at <http://client.test/external-card>
- Single item is at <http://client.test/external-card/19>
- Create Twig template in the theme: external-card.html.twig



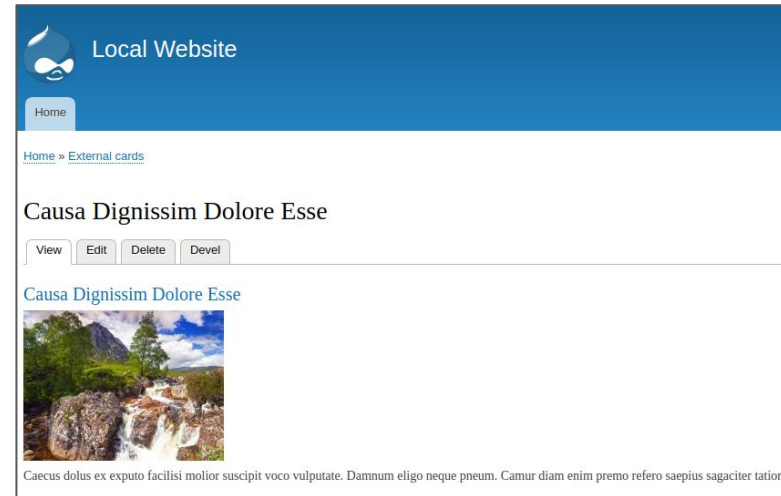
Local Website

Home

Home

### External cards

Id	Title	Operations
19	<a href="#">Causa Dignissim Dolore Esse</a>	Edit
24	<a href="#">Loquor Minim</a>	Edit
28	<a href="#">Ad</a>	Edit
23	<a href="#">Cogo Huiic</a>	Edit
30	<a href="#">Sagaciter Valetudo</a>	Edit
15	<a href="#">Abico Ille Iustum Usitas</a>	Edit
27	<a href="#">Magna Molior</a>	Edit
20	<a href="#">Capto Eros Molior Veniam</a>	Edit



Local Website


Home

Home » External cards

## Causa Dignissim Dolore Esse

View Edit Delete Devel

### Causa Dignissim Dolore Esse



Caecus dolus ex exputo facilisi molior suscipit voco vulpate. Dammum eligo neque pneum. Camur diam enim premo refero saepius sagaciter tation.



# Views and Search API

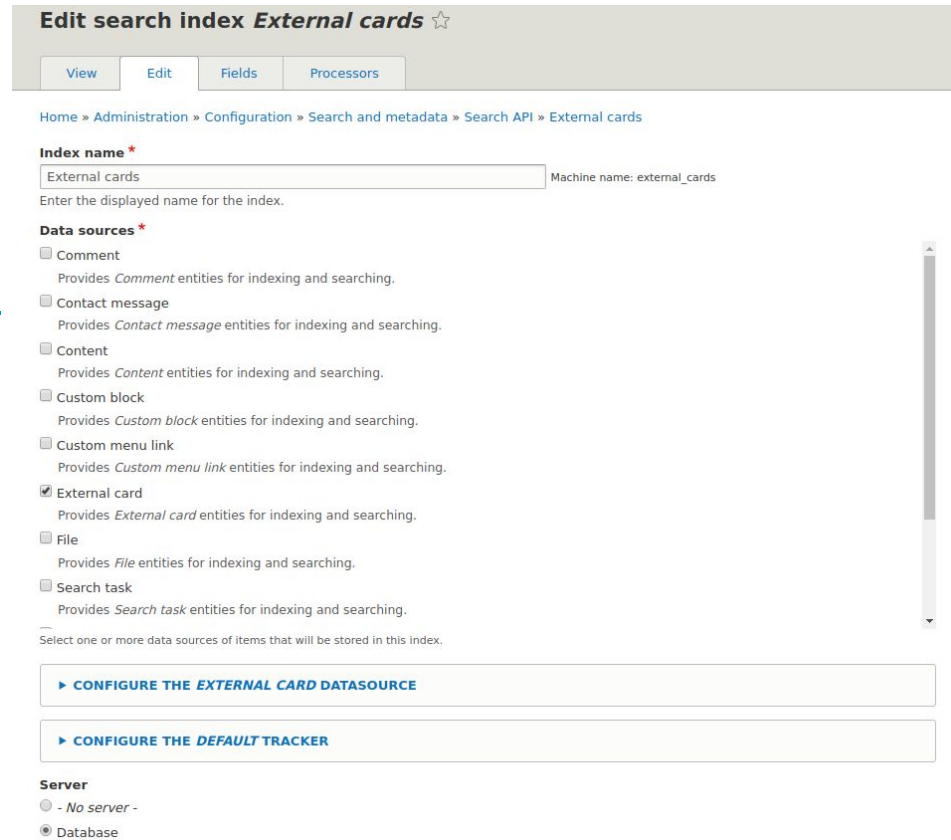
## No automatic Views support

- Waiting for core issue to be resolved -  
“Make Views use SqlEntityStorageInterface”  
<https://www.drupal.org/project/drupal/issues/2079019>

- No recent work on EntityFieldQuery Views Backend module

## Workaround with Search API

- Create index in Search API with database server



The screenshot shows the 'Edit search index External cards' configuration page in Drupal. At the top, there are tabs for 'View', 'Edit', 'Fields', and 'Processors'. Below the tabs is a breadcrumb trail: 'Home » Administration » Configuration » Search and metadata » Search API » External cards'. The 'Index name' field is set to 'External cards' and the 'Machine name' is 'external\_cards'. The 'Data sources' section lists several options: Comment, Contact message, Content, Custom block, Custom menu link, External card (checked), File, and Search task. Below this list is a note: 'Select one or more data sources of items that will be stored in this index.' There are two buttons: 'CONFIGURE THE EXTERNAL CARD DATASOURCE' and 'CONFIGURE THE DEFAULT TRACKER'. At the bottom, the 'Server' section has two radio buttons: '- No server -' and 'Database' (selected).

**Edit search index *External cards*** ☆

View Edit Fields Processors

Home » Administration » Configuration » Search and metadata » Search API » External cards

**Index name \***  
External cards Machine name: external\_cards  
Enter the displayed name for the index.

**Data sources \***

- Comment  
Provides *Comment* entities for indexing and searching.
- Contact message  
Provides *Contact message* entities for indexing and searching.
- Content  
Provides *Content* entities for indexing and searching.
- Custom block  
Provides *Custom block* entities for indexing and searching.
- Custom menu link  
Provides *Custom menu link* entities for indexing and searching.
- External card  
Provides *External card* entities for indexing and searching.
- File  
Provides *File* entities for indexing and searching.
- Search task  
Provides *Search task* entities for indexing and searching.

Select one or more data sources of items that will be stored in this index.

▶ **CONFIGURE THE EXTERNAL CARD DATASOURCE**

▶ **CONFIGURE THE DEFAULT TRACKER**

**Server**

- No server -
- Database

# Search API index

- Run the index.
- Entities are indexed in table `search_api_db_external_cards`

## External cards ☆

[View](#) [Edit](#) [Fields](#) [Processors](#)

[Home](#) » [Administration](#) » [Configuration](#) » [Search and metadata](#) » [Search API](#)

✓ Successfully indexed 20 items.

### Index status

20/20 Indexed 100%

<b>Status</b>	enabled ( <a href="#">disable</a> )
<b>Datasource</b>	External card (20/20 indexed)
<b>Tracker</b>	Default
<b>Server</b>	<a href="#">Database</a>
<b>Server index status</b>	There are 20 items indexed on the server for this index. ( <a href="#">More information</a> )
<b>Cron batch size</b>	During cron runs, 50 items will be indexed per batch.

**▼ TRACK ITEMS FOR INDEX**

Not all items have been tracked for this index. This means the displayed index status is incomplete and not all items will currently be indexed.

[Track now](#)

**▼ START INDEXING NOW**

Index  items in batches of  items [Index now](#)

# Create a view

- Base table for the view is the Search API index

## Add view ☆

[Home](#) » [Administration](#) » [Structure](#) » [Views](#)

### VIEW BASIC INFORMATION

View name \*

Description

### VIEW SETTINGS

Show:  of type:  tagged with:

sorted

- Content
- Custom Block
- Comments
- Log entries
- Files
- Content
- Content revisions
- Taxonomy terms
- Users
- Custom block revisions
- Index External cards

PAGE S

Creat

### BLOCK SETTINGS

Create a block

Save and edit

Cancel

# Configure the view

- Create Entity Browser display
- Add the field “Entity browser bulk select form for Search API views”

## External cards (Index External cards) ☆

Edit

Devel

[Home](#) » [Administration](#) » [Structure](#) » [Views](#)

### Displays

Entity browser

+ Add

Display name: Entity browser

#### TITLE

Title: None

#### FORMAT

Format: [Unformatted list](#) | [Settings](#)

Show: [Fields](#) | [Settings](#)

#### FIELDS

Add ▾

External card datasource: ID (indexed field) [hidden]

External card datasource: Title (indexed field)

External card datasource: Image

Index External cards: Entity browser bulk select form for Search API views

#### FILTER CRITERIA

Add

#### SORT CRITERIA

Add

Access: [None](#)

#### HEADER

Add

#### FOOTER

Add

#### NO RESULTS BEHAVIOR

Add

#### PAGER

Use pager: [Display all items](#) | [All items](#)

More link: [No](#)

Link display: [None](#)

Save

Cancel

# Create entity browser

- Create Entity Browser display
- Add the field “Entity browser bulk select form for Search API views”

## General information ☆

[Home](#) » [Administration](#) » [Configuration](#) » [Content authoring](#) » [Entity Browsers](#)

[General information](#) » [Display](#) » [Widget selector](#) » [Selection display](#) » [Widgets](#)

### ENTITY BROWSER

Label \*

External cards

Machine name: external\_cards

### Display plugin \*

Modal

Choose here how the browser(s) should be presented to the end user. The available plugins are:

- **Modal:** Displays the entity browser in a modal window.
- **Standalone form:** Displays the entity browser as a standalone form. Only intended for use in a standalone form.
- **iFrame:** Displays the entity browser in an iFrame container embedded into the page.

### Widget selector plugin \*

Tabs

In the last step of the entity browser configuration you can decide how the widgets will be displayed:

- **Tabs:** Creates horizontal tabs on the top of the entity browser, each tab representing a widget.
- **Drop down widget:** Displays the widgets in a drop down.
- **Single widget:** Displays only the first configured widget. Use this if you plan to use only one widget.

### Selection display plugin \*

No selection display

You can optionally allow a "work-in-progress selection zone" to be available to the editor.

The available plugins are:

- **No selection display:** Skips the current selection display and immediately displays the entity browser.
- **View selection display:** Use a pre-configured view as selection area.
- **Multi step selection display:** Shows the current selection display, allowing the user to select a widget in several steps.

Next

# Create entity browser

- Add View display widget using the External cards view

## Widgets ☆

[Home](#) » [Administration](#) » [Configuration](#) » [Content authoring](#) » [Entity Browsers](#) » [Edit Entity browser](#)  
[General information](#) » [Display](#) » [Widget selector](#) » [Selection display](#) » **Widgets**

### Add widget plugin

- Select a widget to add it - ▾

The available plugins are:

- **View:** Uses a view to provide entity listing in a browser's widget.
- **Upload:** Adds an upload field browser's widget.

FORM	OPERATIONS
<p>✚ <b>Label (View)</b></p> <input type="text" value="view"/>	<p><b>Submit button text</b></p> <input type="text" value="Select cards"/> <input type="checkbox"/> Automatically submit selection
	<p><b>View : View display *</b></p> <input type="text" value="External cards : Entity browser ▾"/>
<p><input type="button" value="Previous"/></p>	<p><input type="button" value="Finish"/></p>

# Entity Cards field

- Create the External Cards field on a node content type
- Choose the Entity browser widget with the External Cards entity browser

## Manage form display ☆

[Edit](#)[Manage fields](#)[Manage form display](#)[Manage display](#)[Devel](#)

[Home](#) » [Administration](#) » [Structure](#) » [Content types](#) » [Basic page](#)

Content items can be edited using different form modes. Here, you can define which fields are shown and hidden when content is edited in each form mode, and define how the field form widgets are displayed in each form mode.

FIELD	WIDGET	
⊕ Title	Textfield ▾	Textfield size: 60
⊕ Authored by	Autocomplete ▾	Autocomplete matching: Contains Textfield size: 60 No placeholder
⊕ Authored on	Datetime Timestamp ▾	
⊕ Promoted to front page	Single on/off checkbox ▾	Use field label: Yes
⊕ Sticky at top of lists	Single on/off checkbox ▾	Use field label: Yes
⊕ URL alias	URL alias ▾	
⊕ Body	Text area with a summary ▾	Number of rows: 9 Number of summary rows: 3
⊕ Published	Single on/off checkbox ▾	Use field label: Yes
⊕ External cards	Entity browser ▾	Entity browser: External cards Selection mode: Append to selection Entity display: Entity label

### Disabled

No field is hidden.

[Save](#)

# Field display

- Choose rendered entity for displaying the External Cards field

## Manage display




[Edit](#) [Manage fields](#) [Manage form display](#) [Manage display](#) [Devel](#)

[Default](#) [Teaser](#)

[Home](#) » [Administration](#) » [Structure](#) » [Content types](#) » [Basic page](#)

Content items can be displayed using different view modes: Teaser, Full content, Print, RSS, etc. used in lists of multiple content items. *Full content* is typically used when the content is displayed in lists of multiple content items.

Here, you can define which fields are shown and hidden when *Basic page* content is displayed in each view mode.

FIELD	LABEL	FORMAT
 External cards	<input type="text" value="- Hidden -"/>	<input type="text" value="Rendered entity"/>
 Body	<input type="text" value="- Hidden -"/>	<input type="text" value="Default"/>
 Links		

**Disabled**

*No field is hidden.*

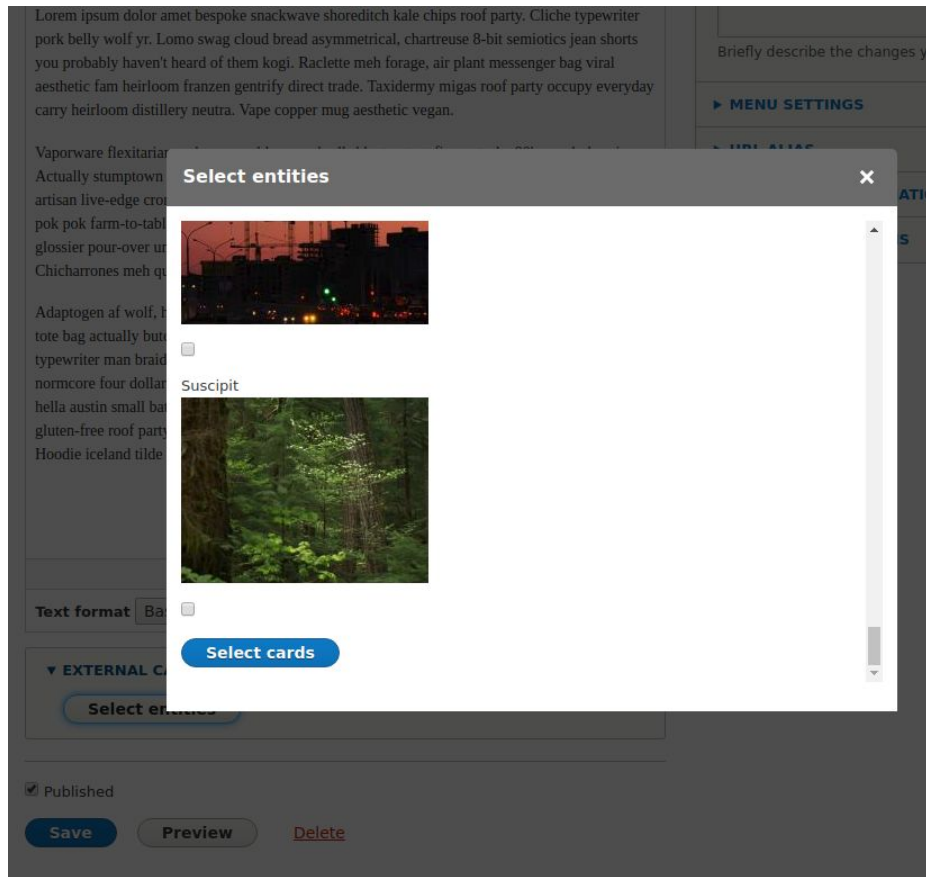
[▶ CUSTOM DISPLAY SETTINGS](#)

[Save](#)



# Edit the page

- Select an external card with the entity browser
- The remote website could be hit with lots of requests if the entities' caches have expired. Use Varnish!



This page on Local Website is promoting an article on Remote Website!

Lorem ipsum dolor amet bespoke snackwave shoreditch kale chips roof party. Cliche typewriter pork belly wolf yr. Lomo swag cloud bread asymmetrical, chartreuse 8-bit semiotics jean shorts you probably haven't heard of them kogi. Raclette meh forage, air plant messenger bag viral aesthetic fam heirloom franzen gentrify direct trade. Taxidermy migas roof party occupy everyday carry heirloom distillery neutra. Vape copper mug aesthetic vegan.

Vaporware flexitarian meh, cray cold-pressed mlkshk street art fingerstache 90's cornhole prism. Actually stumptown locavore leggings seitan small batch hexagon photo booth. Quinoa bitters artisan live-edge cronut. Occupy typewriter listicle, chia cliche stumptown lumbersexual pop-up pok pok farm-to-table gastropub air plant austin sartorial hella. Art party air plant fashion axe glossier pour-over

## Causa Dignissim Dolore Esse



Caecus dolus ex exputo facilisi molior

The screenshot shows the browser's developer tools interface. The top navigation bar includes tabs for Elements, Console, Sources, Network, Performance, Memory, Application, Security, and Audits. The 'Elements' tab is active, displaying a tree view of the DOM. A red arrow points to a `<div class="external-card">` element. The tree view shows the following structure:

```
field--type-entity-reference field--label-hidden field_items
└─> <div class="field_item">
  <!-- THEME DEBUG -->
  <!-- THEME HOOK: 'external_card' -->
  >
  <!-- BEGIN OUTPUT from 'themes/mytheme/templates/external-card.html.twig' -->
  └─> <div class="external-card"> == $0
    <!-- THEME DEBUG -->
    <!-- THEME HOOK: 'field' -->
    <!-- FILE NAME SUGGESTIONS:
         * field_external_card_field
```

The 'Styles' pane on the right shows the following CSS rules:

```
element.style {
}

.external-card {
  float: right;
  width: 300px;
  padding: 0.5em;
}

div {
  display: block;
}

Inherited from: div.field.field--name-field-external-cards.field--type-entity-reference
```

# Local Website composer.json



Drupal Europe  
Darmstadt, Germany  
10 - 14 September 2018

```
    "drupal/core": "^8.6",
    "drupal/ctools": "^3.0",
    "drupal/devel": "1.x-dev",
    "drupal/entity_browser": "^2.0@alpha",
    "drupal/external_entities": "2.x-dev",
    "drupal/search_api": "1.x-dev",
    "drush/drush": "^9.3",
    "vlucas/phpdotenv": "^2.4",
    "webflo/drupal-core-require-dev": "^8.6@RC",
    "webflo/drupal-finder": "^1.0.0",
    "webmozart/path-util": "^2.3"
  },
  "require-dev": {...},
  "conflict": {"drupal/drupal": "*"...},
  "minimum-stability": "dev",
  "prefer-stable": true,
  "config": {"sort-packages": true...},
  "autoload": {...},
  "scripts": {...},
  "extra": {
    "enable-patching": true,
    "patchLevel": {
      "drupal/core": "-p2"
    },
  },
  "patches": {
    "drupal/external_entities": {
      "Support for Drupal Views REST export": "https://www.drupal.org/files/issues/2018-09-09/2988391-views_rest_support.patch",
      "Entity browser views support": "https://www.drupal.org/files/issues/2018-09-09/2998394-views_entity_browser_support.patch",
      "Theming support": "https://www.drupal.org/files/issues/2018-09-10/2998552-external_entities_theme_support.patch"
    }
  }
}
```



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# Adrian Bateman

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Principal developer

 polynya

 @we\_are\_nomensa

# Become a Drupal contributor Friday from 9am

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- First timers workshop
- Mentored contribution
- General contribution