



Create an optimal search experience

INTRO TO SEARCH IN DRUPAL 7

AcquiaTM

Welcome!

Introduction

SECTION 1: WHAT ARE WE SEARCHING FOR?

The problem

We need search!


Why do you need search?

- Commerce - increase sales?
- Large amounts of data?
- Connecting people to information?
- Share some examples!

Our sample travel site








- Administration > Structure > Content types
- Administration > Reports > Field list

Home > Administration > Structure > Content types > City

City 

EDIT **MANAGE FIELDS** **MANAGE DISPLAY** **COMMENT FIELDS** **COMMENT DISPLAY**

[Show row weights](#)

LABEL	MACHINE NAME	FIELD TYPE	WIDGET	OPERATIONS
 Title	title	Node module element		
 Body	body	<u>Long text and summary</u>	Text area with a summary	edit delete
 Location	field_location	<u>Location</u>	Location Field	edit delete
 Population	field_population	<u>Integer</u>	Text field	edit delete
 Country	field_country	<u>Term reference</u>	Select list	edit delete
 Add new field				
<input type="text"/>		<input type="text" value="- Select a field type -"/>	<input type="text" value="- Select a widget -"/>	
Label		Type of data to store.	Form element to edit the data.	
 Add existing field				
<input type="text"/>		<input type="text" value="- Select an existing field -"/>	<input type="text" value="- Select a widget -"/>	
Label		Field to share	Form element to edit the data.	

Save

We need a search page!

**Core search - what's
in the box?**

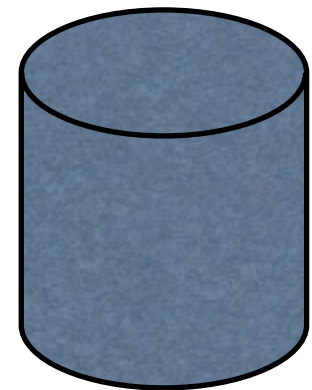
Drupal 7 core search

- Interval defines how often updated content is being processed and sent to the index.

Cron.php

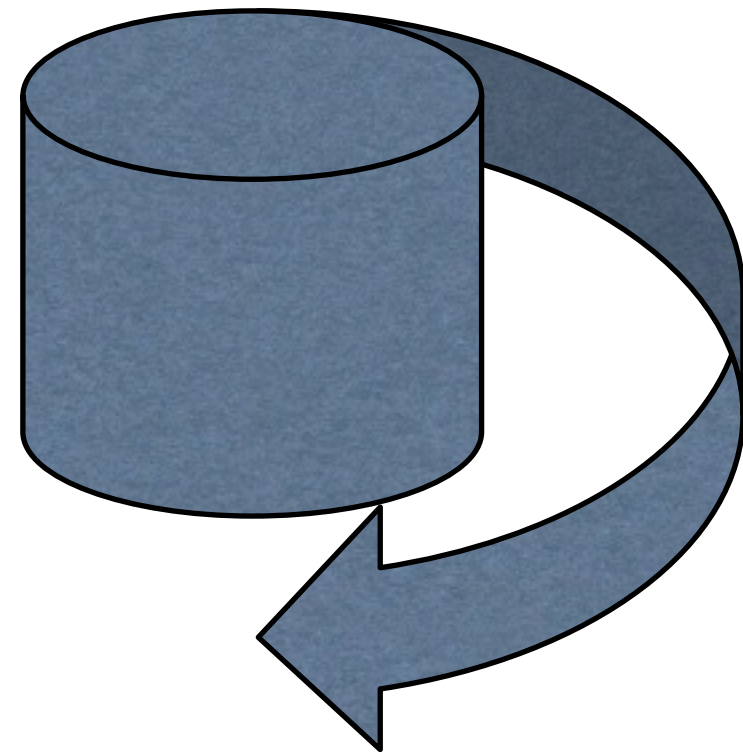


Indexing
process



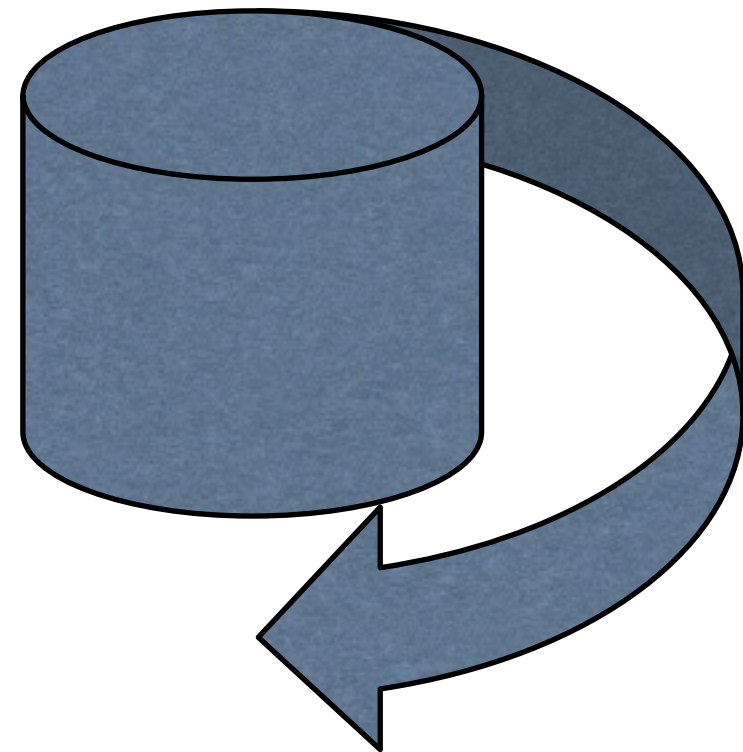
Core search indexing

- HTML Tag Scores
 - <H1> scored at 25
 - <H2> scored at 18
 - Headings have higher scores than content.
- Accent Removal
 - Montréal => Montreal
- Stemming
 - skips, skipping also means “skip”



Core search limitations

- SQL Not optimized for full text search
- Limited Operators
- Slow/not scalable
- Stemming happens on PHP side, not optimized
- Dead ends





Demo: Core search

- Load up Drupal core search
- Confusing UI
 - Advanced search? Users don't use it.
 - Confusing UI of Search page
 - Can't customize options
- Index?
 - Limitations for fine-tuning



Exercise 1: Core search configuration

- Load up Drupal core search
- Confusing UI
 - Advanced search? Users don't use it.
 - Confusing UI of Search page
 - Can't customize options
- Index?
 - Limitations for fine-tuning

Dead ends....

- A bad landing page, with no suggestions.
- “Don’t make me think”.

Congratulations!

You have finally reached the end of the internet!

There's nothing more to see, no more links to visit.

You've done it all.

This is the very last page on the very last server at the very far end of the internet.

You should now turn off your computer and go do something useful with the rest of your life. *

Suggestions:

- Read a book
- Do some public service
- Personally interact with your neighbors that you've probably only met online
- Plant a tree
- Introduce yourself to those other people who live at your house (your family).

** Please don't forget to turn off the lights on your way out.*

**What are
alternatives?**

Alternatives to core search

- Full services:
 - Google's Custom Search
 - Google Search Appliance
- Indexing software:
 - Fuzzy Search
 - Elasticsearch
 - **Apache Solr**



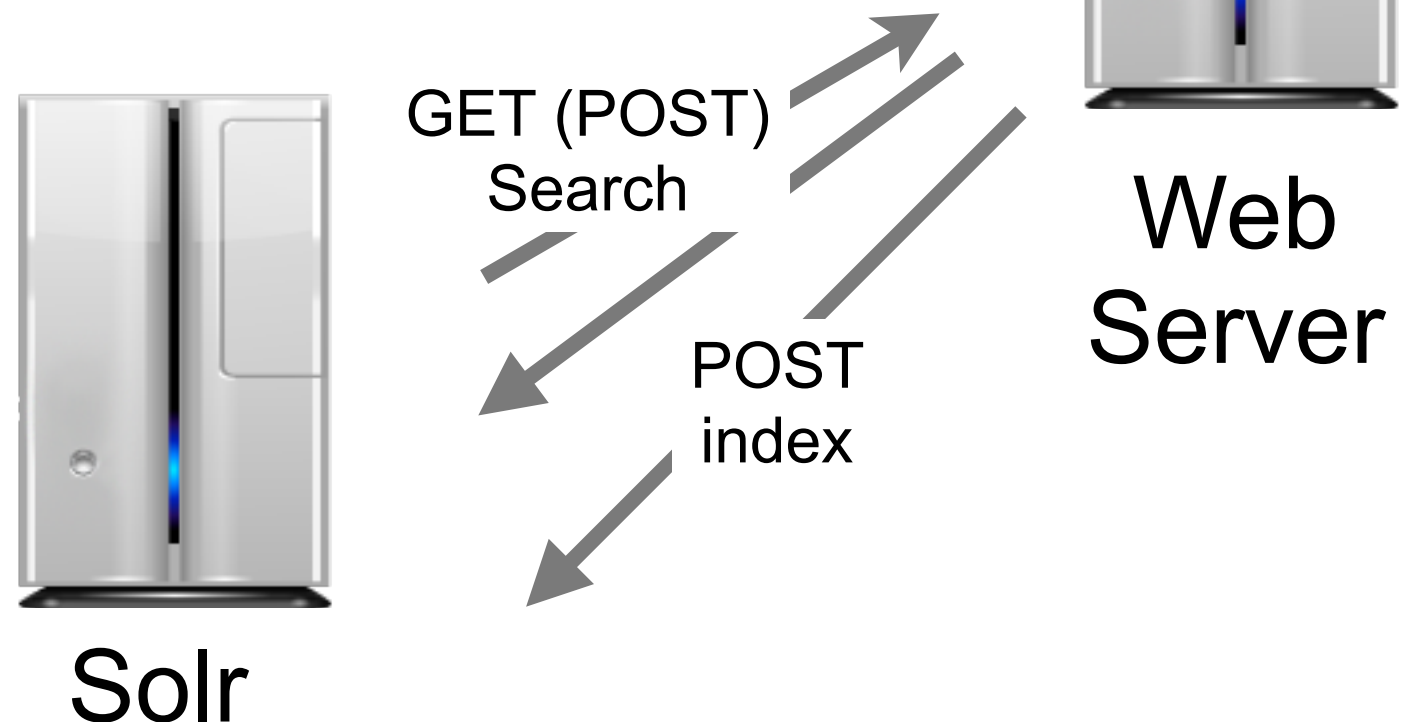
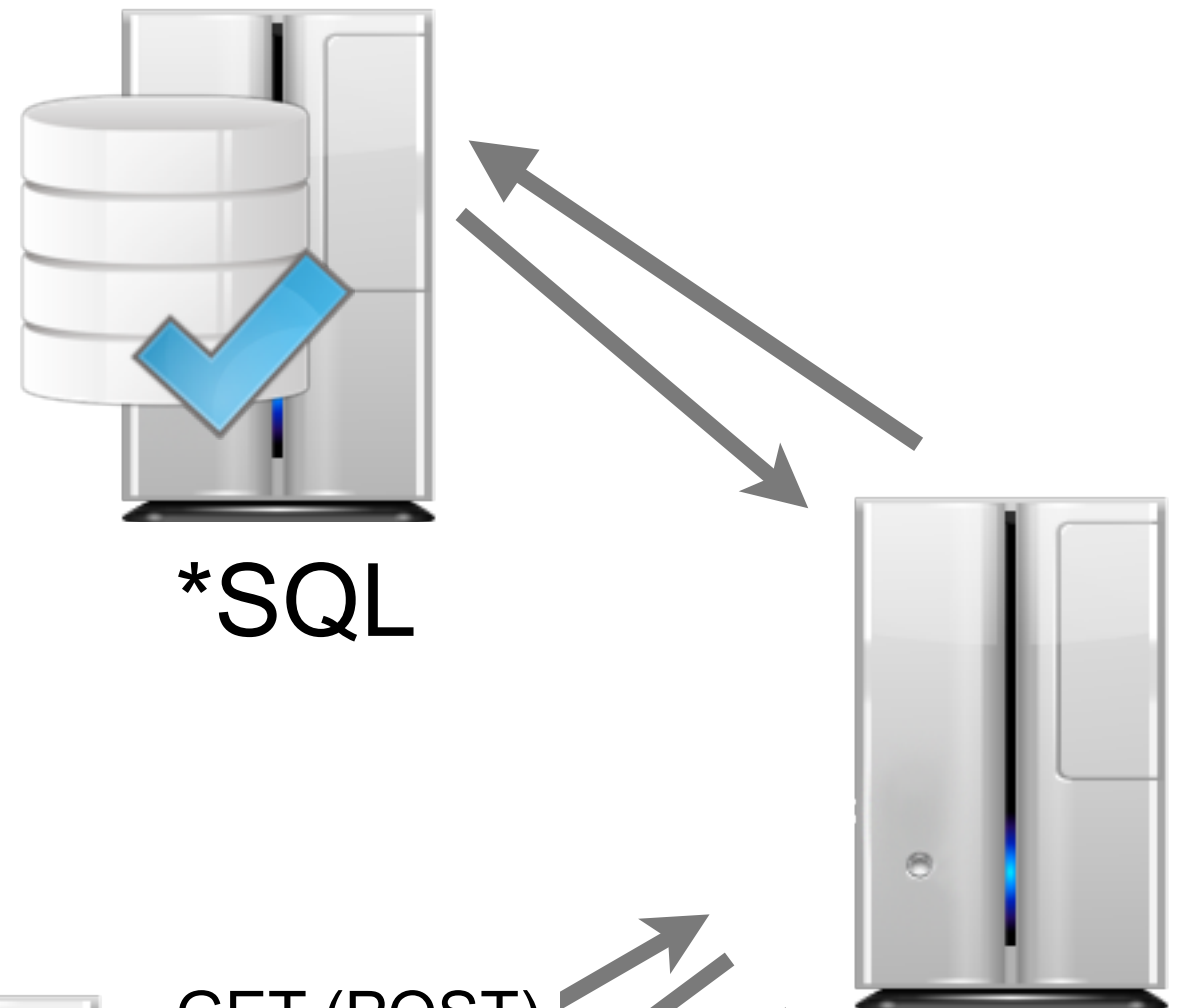
Apache Solr

- Based on Lucene
- Written in Java; uses container such as Tomcat or Jetty
- Mathematical Indexing
- Replication / Solr Cloud
- Multiple indexes (Multicore)



Apache Solr

- Separate Server
- Indexes your site
- Widely used and tested



Integrating Apache Solr and Drupal

Integrate Solr w/ Drupal

- Search API
- **Apache Solr Search Integration**



Customizing Solr

- Improve the **Index**
 - What Solr is storing
 - How Solr indexes information
- Improve the **Query**
 - What is being requested from Solr
- Improve the **Results**
 - What is displayed to the user, and how they navigate the search experience

Getting set up

SECTION 2: CONFIGURE SOLR SEARCH IN DRUPAL

What comes with Solr?

Comparisons

Core index config

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

Search settings

The search engine maintains an index of words found in your site's content. A [maintenance task](#) is required. Indexing behavior can be adjusted using the

INDEXING STATUS

100% of the site has been indexed. There are 0 items left to inc

Re-index site

INDEXING THROTTLE

Number of items to index per cron run

100

The maximum number of items indexed in each pass of a [cron maintena](#) timeouts and memory errors while indexing.

INDEXING SETTINGS

Changing the settings below will cause the site index to be rebuilt. to reflect the new settings. Searching will continue to work but new been re-indexed.

The default settings should be appropriate for the majority of sites

Minimum word length to index

3

The number of characters a word has to be to be indexed. A lower settin Each search query must contain at least one keyword that is this size (or

Solr index config

[Home](#) » [Administration](#) » [Configuration](#) » [Search and metadata](#) » [Apache Solr search](#)

Apache Solr search

DEFAULT INDEX

Acquia Search: Search Index Content

TYPE	VALUE
Indexed	350 Items (10.26 MB on disk)
Remaining	10498 Items (3% has been sent to the serve
Schema	drupal-3.0-rc2-solr3
Solr Core Name	CEGX-37181
Delay	2 min 10 sec before updates are processed.
Pending Deletions	0

[View more details on the search index contents](#)

ACTIONS

Index queued content (50) Indexes just as many items as 1 cron

Index all queued content Could take time and could put an incre

Queue all content for reindexing

Delete the Search & Solr index Useful with a corrupt index or a i

Available with Solr

Spell checking

Bias settings

Suggestions

Search

Site

User

Users

Enter terms

historic nurban na



Did you mean

[historical urban market](#)

Search results

[kashi](#)

__NOTOC__ There is more than one place
historically known as Kashi or Benares. Ja

Anonymous (not verified) - 08/07/2013 - 12:52

[tarnow](#)

Tarnów <http://www.go-tarnow.com/english>
Drink Sleep Get out Wikipedia:Tarnow Dm
58.5984" E See map: Google Maps ...

Anonymous (not verified) - 08/07/2013 - 12:52

Settings for: Acquia Search (Overview)

Result biasing

Type biasing

Field biases

Term proximity bias

Give bias to
except *Ignore*
Choose *Ignore*

Sticky at top

Ignore

Select addition

Promoted to

Ignore

Select addition

More recent

2

This setting w
may appear b

More comm

3

This setting w
appear before

More recent

Ignore

This setting w
comments (or
with higher k

Home

More like this

- [aberdeen](#)
- [albuquerque](#)
- [nice](#)
- [lyon](#)
- [milan](#)

Related posts

[Free Acquia Hosting](#)

[Want to grow Drupal? Put
on a DrupalCamp](#)

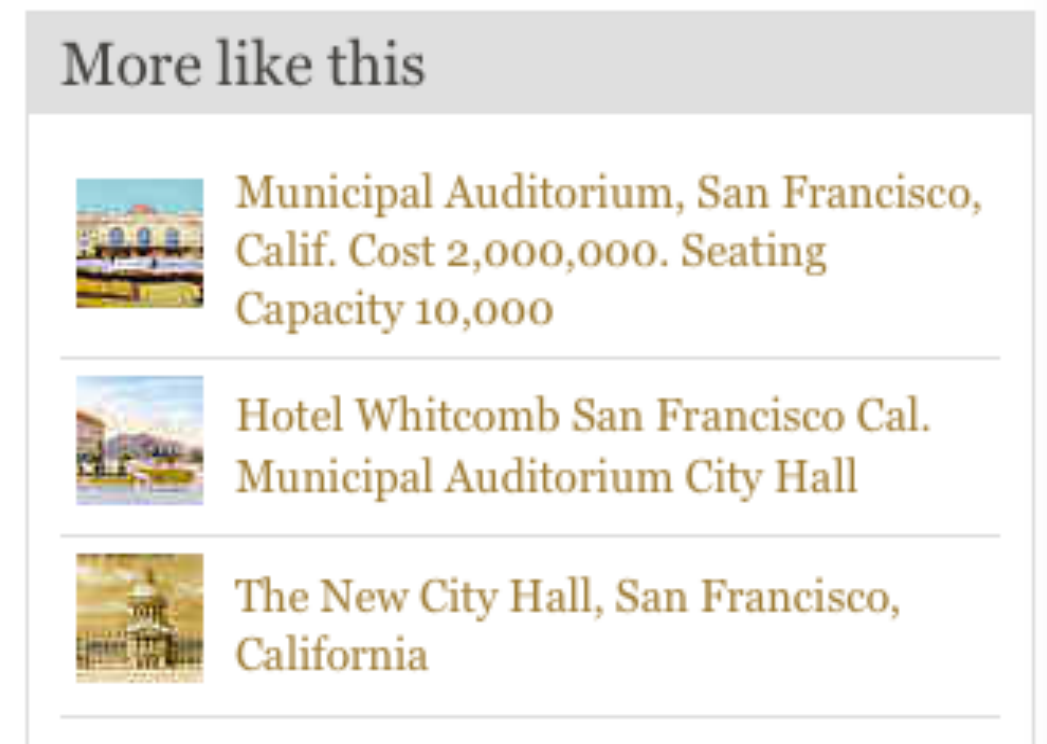
[Drupal.org redesign code
sprints: update 1](#)

[Drupal.org redesign code
sprints](#)

[BarCamp San Francisco](#)

“More like this”

- Example from NIH.gov:
Instead of using Entity reference fields.
- You can configure multiple suggestion blocks for specific content types or site sections.



Sorting options

- A block to allow users to alter sort.

The screenshot displays the Apache Solr search administration interface. At the top, a breadcrumb trail reads: Home » Administration » Configuration » Search and metadata » Apache Solr search. Below this, a navigation bar contains tabs: Apache Solr search, DEFAULT INDEX, ATTACHMENTS, PAGES/BLOCKS, SETTINGS, and SORTING. The SORTING tab is active.

Under the SORTING tab, there is a section titled "ENABLE/DISABLE SORT FIELDS" with a dropdown arrow. It lists five sort fields with checkboxes and the text "enable this sort.":

- ☒ Relevancy
- ☒ Title
- ☐ Type
- ☐ Author
- ☒ Date

To the right of this list is a "Sort by" section with a list of three options: Date, Title, and Relevancy. A red arrow points from the text "Default setting" below to the "Relevancy" option in this list.

On the right side of the interface, there is a "Search" section. It includes three tabs: Site, User, and Users. Below the tabs is a search input field with the text "Byzantine mosaic" and a search button. Below the search input is a section titled "Did you mean" with the suggestion "Byzantine mostly". Below that is a section titled "Search results" with the text "natra" visible.



Demo: What comes with Solr?

- Enable the modules.
- Index the site. What is indexed?
- Spelling correction offered out of the box, difference with core search.
- Re-index, when does “cron” run?
- More like this block, place and configure.
- Search page configuration under Pages/
blocks.



Exercise 2: Configure Solr search

- A. Ensure search is installed and enabled
- B. Index site
- C. Review default results
- D. Configure your search page
- E. Place a “more like this” block on your site.

Boosting relevant results

SECTION 3: HOW TO IMPROVE SEARCH

Ways to optimize search

Optimization options

- Phrases
 - Search for sentences, phrases
- Optimize search for specific use cases
 - More recent content, is it more relevant?
 - Content with comments, are they more useful?
 - Body content, use of H2 and H3?
- Synonyms
 - synonyms.txt -



Demo: Optimize results

- Bias settings
- When changes take effect
- Before and after examples

Home » Administration » Configuration » Search and metadata » Apache Solr search

Apache Solr search

DEFAULT INDEX PAGES/BLOCKS **SETTINGS**

Index **Bias** Edit

Settings for: Acquia Search (Overview)

Result biasing	<p>Specify here which fields are more important when searching. Give a field a greater numeric value to make it more important. If you omit a field, it will not be searched.</p> <p>The full, rendered content (e.g. the rendered node body)</p> <p>1.0 </p> <p>Title or label</p> <p>✓ 21.0 13.0 8.0</p>
Type biasing	
Field biases	
Term proximity bias	

Don't use the highest setting everywhere



Exercise 3: *Optimize your search results*

- A. Test search before changes
- B. Improve the result biases
- C. Testing the changes; how to check the Index
- D. Improve term proximity results
- E. Improve bias based on fields and terms

Filtering and displaying results

SECTION 4: FACETS AND WIDGETS

Facets: What users want

Facets provide useful filters

Search

84 SEARCH RESULTS FOR "RUNWAY"

SORT BY: [Relevance](#) | [Date](#)

FILTER BY: [All \(2069\)](#) [Seasons \(2\)](#) [Videos \(1025\)](#) [Photo Galleries \(233\)](#) [Blogs \(721\)](#) [Episodes \(84\)](#) [Games \(1\)](#)
[Features \(3\)](#)

[84 Results](#) 1 of 6 pages

Shows what
it's filtered on



Episode

JUNE 19, 2013

[Ep 4: Fashionable Foodies](#)

Chef Roblé keeps it all in the family when he caters at New York Fashion Week for the debut of his cousins' clothing line, Mataano.

CHEF ROBLE AND CO - SEASON 2, EPISODE 4



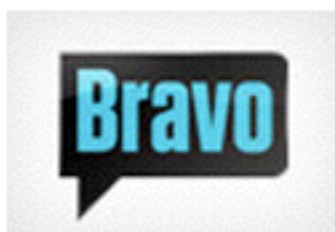
Episode

JANUARY 11, 2013

[Ep 12: Battle of the Booty](#)

Kenya decides to produce her own fitness video -- "The Stallion Workout" -- to rival Phaedra's donkey.

THE REAL HOUSEWIVES OF ATLANTA - SEASON 5, EPISODE 12



Episode

JULY 27, 2011

[Episode 8: Runway Ready](#)

Chefs compete to create a line of dishes inspired by both handmade, high-end fashion, and mass produced, ready-to-wear clothing.

ROCCOS DINNER PARTY - SEASON 1, EPISODE 8

Select content

Search results for "drupal"

There are 41 results. Too many? You can narrow your search results below, by section or tag.

drupal

☒ All ☐ News ☐ Tutorials ☐ Features ☐ Interviews ☐ Opinions

SORT BY: RELEVANCE LATEST



20 best Drupal modules for SEO

Mark Roden assembles a comprehensive SEO toolkit for Drupal
By Mike Roden on June 26, 2013



Lyza Danger Gardner on mobile development

Lyza Danger Gardner chats to Brian LeRoux about mobile development, being a web evangelist, Future Friendliness, Portland... and more
By Brian Leroux on June 18, 2013



August 2013 №243

Build perfect mobile apps with Brian LeRoux's top 30 tools, learn to build with HTML5 using the History API, create a Laravel app, get responsive web design tips from the BBC, build a great YouTube channel...and much more!
By Tanya Combrinck on June 17, 2013

Search results for "drupal" in Tutorials

There are 6 results. Too many? You can narrow your search results below, by section or tag.

drupal

Search

☐ All ☐ News ☒ Tutorials ☐ Features ☐ Interviews ☐ Opinions

BROWSE BY TAG

SORT BY: RELEVANCE LATEST



Create a responsive Drupal theme

Drupal themes enable you to change the look and feel of your site. Tim Millwood explains how to create a theme that makes it appear differently on different screen sizes

By Tim Millwood on April 23, 2012 | 3 comments



Build a job listings website with Drupal

Its learning curve is notorious but Tim Millwood argues that Drupal is not that fearsome, and demonstrates how you can use it to build a job board

By Tim Millwood on October 12, 2011 | 2 comments



Providing responsive images with Drupal

Serving images to mobile devices can prove a major annoyance for developers. Michael Herchel highlights a number of methods to make life more flexible

By Michael Herchel on March 07, 2013

Offer facets people need

MADE⁺

Home > Search results for: 'chair'

The Ninth Floor showroom is open, come and visit us.

Search results for 'chair'

Sort by: Relevance | Name | Price: Low | High

2 x Brodie Dining Chairs, Walnut
Express Delivery £199
Typical high street £336*

2 x Devlin Dining Chairs, Black
£149
Typical high street £270*

2 x Devlin Dining Chairs, Natural Ash
Express Delivery £149
Typical high street £270*

2 x Brodie Dining Chairs, Grey
Express Delivery £149
Typical high street £270*

2 x Devlin Dining Chairs, Light Wood
£149
Typical high street £270*

2 x Devlin Dining Chairs, Beige
£149
Typical high street £270*

Use facets and sorting which influence decisions.

Material
Color, etc

Do clients sort by name?

made.com, not a drupal site


Tips to define facets

- Listen to users
 - Analyze query logs to define facets.
 - Use popular words to label facets.
 - Check competitors and across your industry.
- Choose important facets
 - On which facets do people make decisions?
 - Which features influence a purchase?
 - Plan content types *for* searching
 - Depends on your content model, taxonomy, fields!

How are our users searching?












- What facets would you enable on this site?

[Home](#) » [Administration](#) » [Structure](#) » [Content types](#) » [City](#)

City 

[EDIT](#) [MANAGE FIELDS](#) [MANAGE DISPLAY](#) [COMMENT FIELDS](#) [COMMENT DISPLAY](#)

[Show row weights](#)

LABEL	MACHINE NAME	FIELD TYPE	WIDGET	OPERATIONS
 Title	title	Node module element		
 Body	body	Long text and summary	Text area with a summary	edit delete
 Location	field_location	Location	Location Field	edit delete
 Population	field_population	Integer	Text field	edit delete
 Country	field_country	Term reference	Select list	edit delete
 Add new field				
<input type="text"/>		<div>- Select a field type - </div>	<div>- Select a widget - </div>	
Label		Type of data to store.	Form element to edit the data.	
 Add existing field				
<input type="text"/>	<div>- Select an existing field - </div>		<div>- Select a widget - </div>	
Label	Field to share		Form element to edit the data.	

[Save](#)

Facets API in Drupal

About Facets

- For each facet you configure:
 - A **display widget**
 - A corresponding **query type**.
 - A block to place, some examples:

✚ Facet API: Apache Solr environment: Acquia Search : Author

✚ Facet API: Apache Solr environment: Acquia Search : Content type

✚ Facet API: Apache Solr environment: Acquia Search : Country

✚ Facet API: Apache Solr environment: Acquia Search : Language

✚ Facet API: Apache Solr environment: Acquia Search : Post date

Example display widgets

With Facet API

Links

Filter by country:

- [Afghanistan \(50\)](#)
- [Albania \(22\)](#)

Links with checkboxes

Filter by country:

- ☐ [Australia \(9\)](#)
- ☐ [China \(7\)](#)
- ☐ [United States \(6\)](#)
- ☐ [Canada \(5\)](#)

Additional modules

Tag cloud

drupal.org/project/facetapi_tagcloud

Filter by country:

[China](#)
[Switzerland](#) [Japan](#)
[Australia](#) [France](#)
[Austria](#) [Italy](#)
[Afghanistan](#) [Bolivia](#)

Slider

drupal.org/project/facetapi_slider

Filter by population:





Demo: Configuring facets

- Enable the module.
- Review options for configuring facets for different displays.
- Display widgets, relate to specific queries.



Exercise 4: Configure a facet slider

- A. Configure the facet options
- B. Place the population facet block
- C. Test the search
- D. Enable the slider for display
- E. Test the search again

The screenshot shows a search interface with two main sections. On the left, there are two facet blocks. The top block is titled 'Sort by' and lists 'Date', 'Title', and 'Relevancy'. The bottom block is titled 'Filter by updated date:' and lists 'Past 24 hours (1)', 'Past month (66)', 'Past week (66)', and 'Past year (66)'. The main search area is titled 'Search' and has three tabs: 'Site', 'User', and 'Users'. Below the tabs is a filter section titled 'Filter by population:' with a slider ranging from 730 to 3,229,883. Below the slider is a search input field with the text 'gondolas' and a search button. Below the input field is a suggestion 'Did you mean gondola'. At the bottom, the text 'Search results' is visible, followed by the word 'gulfmars'.

Exercise

Facet: Population
Display widget: Slider
Query type: numeric_data

Challenge exercise

Facet: Updated date
Display widget: Date range
Query type: date_range

SECTION 5: HOW TO IMPROVE USER EXPERIENCE

The user experience

Established standards


- Users expect the search form to be... where?
- Queries
 - Should be easy to refine
 - Incremental construction
- Results
 - Display the query
 - Easy to read key information

Beyond the defaults

- Limitations:
 - Default results don't show relevant data specific to your site: dates, numerical data, location maps.
- Better:
 - **Landing page** revealing the content
 - Better **search bar with suggestions!**
 - Key information in results with **custom displays.**
 - **Paths** which are easy to share and navigate.

Options to improve experience

Making improvements



Acquia Search Lab

My account Log out

Home

Sort by

Options in sidebar

- Date
- Title
- Relevancy

Filter by updated date:

- Past month (10846)
- Past week (10846)
- Past year (10846)

Filter by country:

United States

Australia

United Kingdom

China India Canada

Italy Japan Germany

Brazil France

Indonesia Afghanistan

Argentina Colombia

Search

Filter by population:

14

13,480,498

Enter terms

Autocomplete

dinant


Location:

+

-

Map

Satellite



Country:
Belgium


Population:

Dinant <http://www.dinantourism.com/> is a city in the province of Namur in Belgium. Understand Get in By plane The closest airports are Brussels, Charleroi (Brussels South Charleroi Airport) and Liège. By train From Brussels, the train to Dinant takes 1 hr ...

Better display of key data in results

Configure search page

[Home](#) » [Administration](#) » [Configuration](#) » [Search and metadata](#) » [Apache Solr search](#)

Apache Solr search 

DEFAULT INDEX

ATTACHMENTS

PAGES/BLOCKS

SETTINGS

SORTING

[+ Add search page](#) [+ Add search block "More Like This"](#)

Pages

NAME ▲	PATH	SEARCH ENVIRONMENT	OPERATIONS		
Core Search <i>(Default)</i>	search/site	Acquia Search	Edit	Clone	Delete
Taxonomy Search	taxonomy/term/%	<Disabled>	Edit	Clone	Delete

Blocks "More Like This"

NAME ▲	SEARCH ENVIRONMENT	OPERATIONS	
More like this	Acquia Search	Configure	Delete

Search page options

- How many results?
- Enable spell check?
- Show search box?
- Enabled Facets?

▼ ADVANCED SEARCH PAGE OPTIONS

Results per page

How many items will be displayed on one page of the search result.

☒ Enable spell check

Display "Did you mean ... ?" above search results.

☒ Enable the search box on the page

Display a search box on the page.

☐ Allow user input using the URL

Allow users to use the URL for manual faceting via fq[] params (e.g. [http://example.com/search/site/test?fq\[\]=uid:1&fq\[\]=tid:99](http://example.com/search/site/test?fq[]=uid:1&fq[]=tid:99)). This will only work in combination with a keyword search. The recommended value is unchecked

Behavior on empty search

☐ Show search box

☐ Show enabled facets' blocks under the search box

☐ Show enabled facets' blocks in their configured regions

☒ Show enabled facets' blocks in their configured regions and first page of all available results

This is what is shown when the user enters an empty search, or removes all filters from an active search. Remember to configure the facets on the [search environment page](#) and assign blocks to regions on the [block settings page](#)

Facet block placement

- Double check your facet block configuration.
- Where to display? Search box in header?

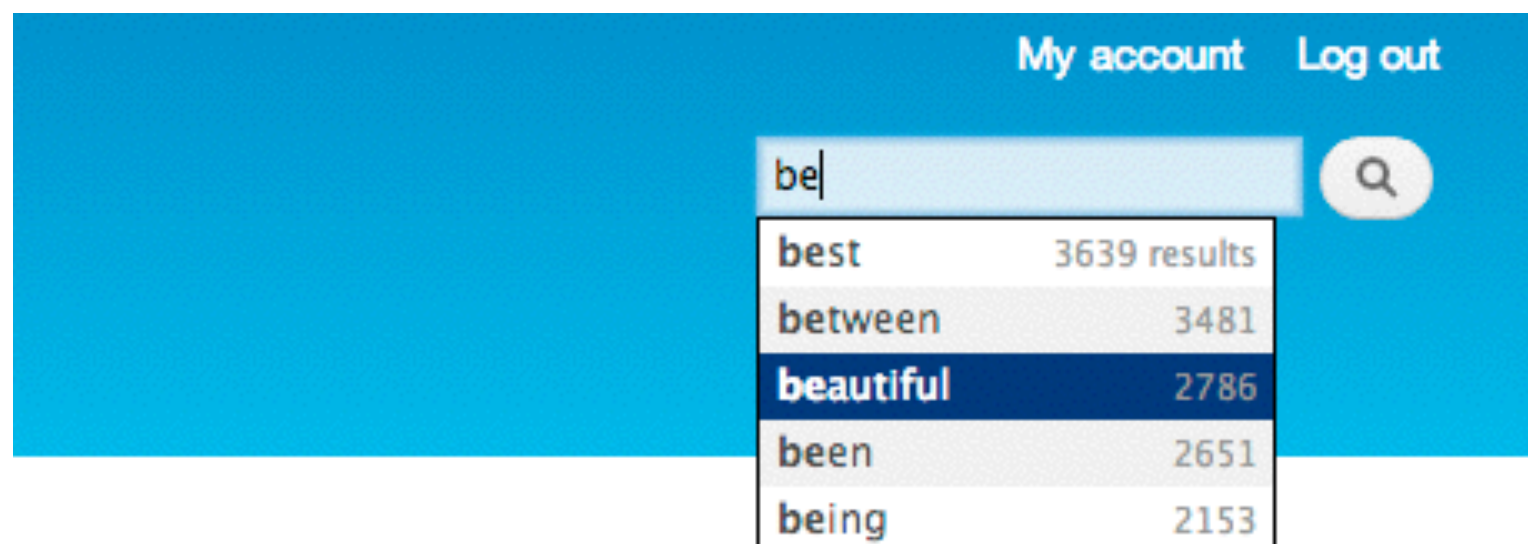
The screenshot shows a configuration page for facets. It is divided into three main sections: 'Content', 'Sidebar first', and 'Sidebar second'. Each section contains a list of facet blocks with their names, placement dropdowns, and configuration links. A red arrow points to the first block in the 'Content' section, with the text 'Top of main content' next to it. Another red text annotation 'Facets appear on search result page' is placed over the 'Sidebar first' dropdowns of the third and fourth blocks in the 'Sidebar first' section.

Section	Facet Name	Placement	Actions
Content	Facet API: Apache Solr environment: Acquia Search : Population	Content	configure
	Main page content	Content	configure
Sidebar first	Apache Solr Core: Sorting	Sidebar first	configure
	Facet API: Apache Solr environment: Acquia Search : Updated date	Sidebar first	configure
	Facet API: Apache Solr environment: Acquia Search : Country	Sidebar first	configure
	Facet API: Apache Solr environment: Acquia Search : Country	Sidebar first	configure
	Facet API: Apache Solr environment: Acquia Search : Country name	Sidebar first	configure
Sidebar second	Apache Solr recommendations: More like this	Sidebar second	configure delete



Demo: Apache Solr Autocomplete

- Enable Apache Solr Auto Complete.
- Uses stemming so verb forms are picked up as well.
- Becoming standard, what users want.





Demo: Rich snippets

- Replicates Google's results; Needs RDF!

[andorra](#)

[searchsample.localhost:8082/node/42](#)

By admin

Aug 9, 2013 – Andorra <http://www.andorra.ad/en-US/Pages/default.aspx> is a (468 km2), mountainous country in the Pyrenees mountains in Europe, and is on the border between France and Spain, in Western Europe. Cities Ando ...

[arinsal](#)

[searchsample.localhost:8082/node/43](#)

By admin

Aug 7, 2013 – Arinsal is a village in Andorra, a small mountainous country in the Pyrenees mountains in Europe. It is located at the head of a valley. The old village part is clearly evident but due to the fact it is also a ski resort it has grown a lot and has quite a ...

[canillo](#)

[searchsample.localhost:8082/node/44](#)

By admin

Aug 7, 2013 – Canillo <http://www.andorra.com/uk/visitar/canillo.asp> is a parish (administrative division) and town 12km NE of the capital of Andorra between Andorra La Vella and the French border at Pas de la Casa (2085m). Get in Take the CG1 direction Soldeu, Pas de l ...

Tip: If you install this during demo, please ensure to disable this for next exercise

Emulates Google's format and layout




Demo: Search page configuration

- Where you configure Pages/blocks
- Demo how to change options

Next: Manage display

- Control the display for “Search results”
- Limited options; only fields













Home » Administration » Structure » Content types » City » Manage display


City 

EDIT MANAGE FIELDS **MANAGE DISPLAY** COMMENT FIELDS COMMENT DISPLAY

Default Teaser **Search result**

[Show row weights](#)

FIELD	LABEL	FORMAT
 Location	Above 	Default (address) 
 Country	Above 	Link 
 Population	Above 	Default 
Hidden		
 Body	<Hidden> 	<Hidden> 

1 234
Display with prefix and suffix. 

Save

Display Suite for Search results

Display Suite!

- Display Suite + Display Suite Search
 - (and Display Suite UI)
- Custom layout
- Select which fields to display
- Multiple columns, headers and footers.

dinant

Location:



Country:
Belgium

Population:

12 875

Anonymous (not verified) - 08/13/2013 - 09:29

Dinant <http://www.provinceofnamur.be>
The closest airport is Brussels South Charleroi Airport. From Brussels, the

andorra

Location:



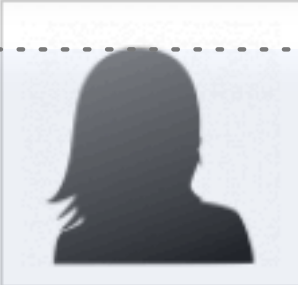
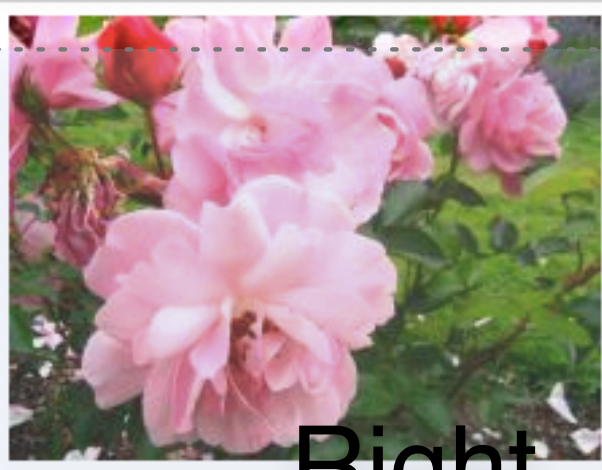
Country:
Andorra

Population:

73 100


Andorra <http://www.us/pages/default.aspx>
(468 km²), mountainous in Europe, and is on the border between France and Spain. Cities ...

Example

<div>Two day tour of Tralee!</div> <div>Header</div>	
<div><div></div><div>December 01, 2011 siteadmin Continental breakfast included Rose of Tralee festival</div></div> <div>Left</div>	<div><div></div><div>Etiam mollis nunc velit. Donec nibh sem, varius non scelerisque sed; cursus in urna. Ut neque tortor, gravida nec porta a, suscipit a arcu. Quisque dui velit, molestie sollicitudin facilisis non; ullamcorper in turpis. Fusce ut ligula sit amet velit varius semper.</div><div>Nulla facilisi.</div><div>Right</div></div>
<div>Add new comment</div> <div>Your name siteadmin</div> <div>Subject</div> <div></div> <div>Footer</div>	

Display suite






- Access items which aren't "fields"

Example content type 

EDIT MANAGE FIELDS **MANAGE DISPLAY** COMMENT FIELDS COMMENT DISPLAY

Default Full content **Teaser**

[Show row weights](#)

FIELD	REGION	LABEL	FORMAT	
Content				
 Title	Content ▾	<Hidden> ▾	Default ▾	Wrapper: h2 
 Body	Content ▾	<Hidden> ▾	Summary or trimmed ▾	Trim length: 200 
 Read more	Content ▾	<Hidden> ▾		

Field settings
Link text

Wrapper

Eg: h1, h2, p
Class

Put a class on the wrapper. Eg: block-title

View modes

- Add “view modes” for specific control

The screenshot shows the Drupal administration interface for managing the display of 'City' content. At the top, a breadcrumb trail reads 'Home » Administration » Structure » Content types » City'. Below this, a row of tabs includes 'City', 'EDIT', 'MANAGE FIELDS', 'MANAGE DISPLAY', 'COMMENT FIELDS', and 'COMMENT DISPLAY'. The 'MANAGE DISPLAY' tab is active, and within it, sub-tabs for 'Default', 'Teaser', 'Search index', and 'Search result' are visible. The 'Search index' and 'Search result' sub-tabs are highlighted with a red box. A text block explains that content items can be displayed using different view modes: Teaser, Full content, Print, RSS, etc. Below this, a sidebar on the left contains links for 'Layout for city in default', 'Custom display settings', and 'Clone layout'. The main area is titled 'Use custom display settings for the following view modes' and contains a list of checkboxes: 'Full content' (unchecked), 'Teaser' (checked), 'RSS' (unchecked), 'Search index' (checked), 'Search result' (checked), and 'Revision' (unchecked). Two red arrows point from the 'Search index' and 'Search result' checkboxes to the corresponding sub-tabs above. A red text box with a white border says 'Selection options appear as tabs above'. At the bottom left, a red text box with a white border says 'Configure on "Default" tab in Manage display.' A 'Save' button is at the bottom left.

Home » Administration » Structure » Content types » City

City

EDIT MANAGE FIELDS MANAGE DISPLAY COMMENT FIELDS COMMENT DISPLAY

Default Teaser Search index Search result

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

Layout for city in default

Custom display settings

Clone layout

Configure on "Default" tab in Manage display.

Use custom display settings for the following view modes

- ☐ Full content
- ☒ Teaser
- ☐ RSS
- ☒ Search index
- ☒ Search result
- ☐ Revision

Manage view modes

Selection options appear as tabs above

Save

Display Suite regions

- Variety of layouts

Layout for example content type in full

Extra classes for regions

Add custom fields


Select a layout

Two column stacked

- None -
- One column
- Two column
- Two column stacked
- Fluid two column stacked
- Three column - 25/50/25
- Three column - equal width
- Three column stacked - 25/50/25
- Fluid three column stacked - 25/50/25
- Three column stacked - equal width
- Three column stacked - 25/50/25 (HTML5)
- Four column - equal width

Arrange fields in regions



























Home » Administration » Structure » Content types » City » Manage display

City 

EDIT MANAGE FIELDS **MANAGE DISPLAY** COMMENT FIELDS COMMENT DISPLAY

Default Teaser Search index **Search result**

[Show row weights](#)

FIELD	REGION	LABEL	FORMAT	
Header				
 Title	Header 	<Hidden> 	Default 	Link: Yes Wrapper: h2 
Left				
 Location	Left 	Above 	Default (address) 	
 Country	Left 	Inline 	Link 	
 Population	Left 	Inline 	Default 	1 234 Display with prefix and suffix. 
Right				
 Search snippet	Right 	<Hidden> 	Default 	
Footer				
 Search info	Footer 	<Hidden> 	Default 	



Demo: Display Suite


- Enable Display Suite, Display Suite Search, Display Suite UI
- Modify display and change layout for “Search result”
- Show what “Search index” provides.



Exercise 5: Improve display with Display Suite









- Manage display, Choose relevant fields

Home » Administration » Structure » Content types » City » Manage display

City  EDIT MANAGE FIELDS **MANAGE DISPLAY** COMMENT FIELDS COMMENT DISPLAY

Default Teaser Search index **Search result**

[Show row weights](#)

FIELD	REGION	LABEL	FORMAT	
Header				
 Title	Header	<Hidden>	Default	Link: Yes Wrapper: h2 
Left				
 Location	Left	Above	Default (address)	
 Country	Left	Inline	Link	
 Population	Left	Inline	Default	1 234 Display with prefix and suffix. 
Right				
 Search snippet	Right	<Hidden>	Default	
Footer				
 Search info	Footer	<Hidden>	Default	

Example of custom code

**SECTION 6:
CUSTOM CODE -
PROXIMITY SEARCH**

Display location search results

Location data in search

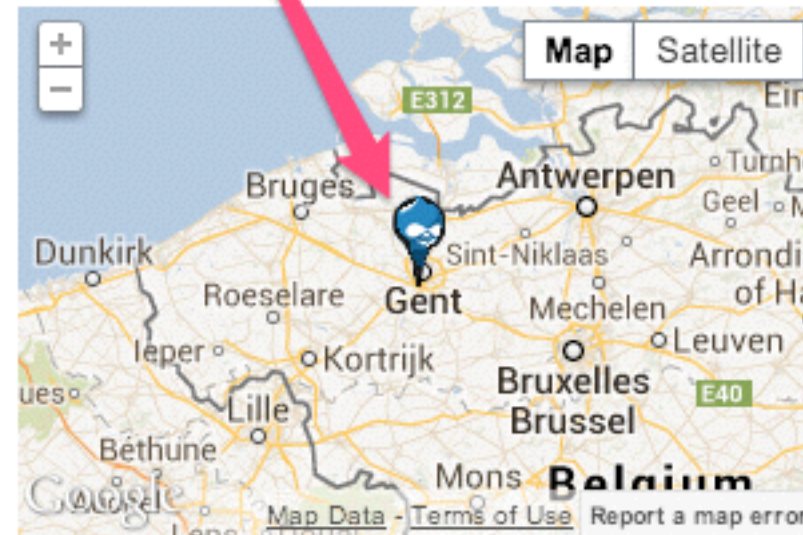
- Takes the coordinates of the search, and returns to the query.

Enter terms 3,547,809
gent ☐ Retain current filters

Did you mean
gents

ghent

Location:



Country:
Belgium

Anonymous (not verified) - 08/07/2013 - 12:52

aalst

Location:



1 km from requested destination

1 km from requested destination

25 km from requested destination

25 km from requested destination



Demo: Location results

- Use Display Suite to display a location on a Map.
 - Which modules work best
 - Tips about handling Location data
- A custom code example- using location as a factor in search.
 - Search training Location module
 - Location Search module



Exercise 6: Display location results

- Requires: The Display Suite modules, GMap, GMap Location, Geocoder.

Home » Administration » Structure » Content types » City » Manage display

City

EDIT MANAGE FIELDS **MANAGE DISPLAY** COMMENT FIELDS COMMENT DISPLAY

Default Teaser Search index **Search result**

[Show row weights](#)

FIELD	REGION	LABEL	FORMAT	
Header				
Title	Header	<Hidden>	Default	Link: Yes Wrapper: h2
Left				
Location	Left	Above	Map only	
Country	Left	Inline	Link	
Population	Left	Inline	Default	1 234 Display with prefix and suffix.

If time allows!

SECTION 7: ENHANCEMENTS

Search file attachments

**Indexing files such as
PDF or DOCX**

Search files

- Document search
- Server requirements

You are here: [Home](#) > **Search**

Search

You searched for: **eye surgery**. Showing **1 - 10** of **223** items

Filter Results by section
Filter Results by user type
Show ☐ Web pages and documents ☐ Only web pages
☒ Only documents



[GMC Council](#)



[Samreen Rizvi - What will doctors be doing by 2050?](#)



[Seeing eye to eye](#)



[Council meeting April 2007 - Item 5a - Annex B](#)



[Care of People with Eye Problems](#)



[Endocrinology and Diabetes Mellitus assessment blueprint - March ...](#)



[Intercollegiate Surgical Curriculum Project \(2007\) - Oral and ...](#)



Demo: Attachment search

- Assumes you're using Acquia's search service
- Enable Apache Solr search attachments

Search **Content** Multi-site search Users

Enter your keywords:

Search results

think_drop.doc
living in less-advantaged **communities**, helping them overcome the hurdles that prevent them from openly ...
and students. As we will be working in less advantaged **communities**, maintaining access to consistent
electricity ...
application/msword attached to: **Appellatio Metuo Patria Wisi Distineo Quidem**
File attachment - Anonymous - 07/05/2010 - 19:12

think_drop.txt
living in less-advantaged **communities**, helping them overcome the hurdles that prevent them from openly ...
and students. As we will be working in less advantaged **communities**, maintaining access to consistent
electricity ...
text/plain attached to: **Proprius Metuo Neo Paratus Ideo Augue Causa Antehabeo**
File attachment - Anonymous - 07/05/2010 - 11:41

link to attachment

link to node

ANY QUESTIONS?

<http://acquia.com/training-feedback>

Feedback please!

