

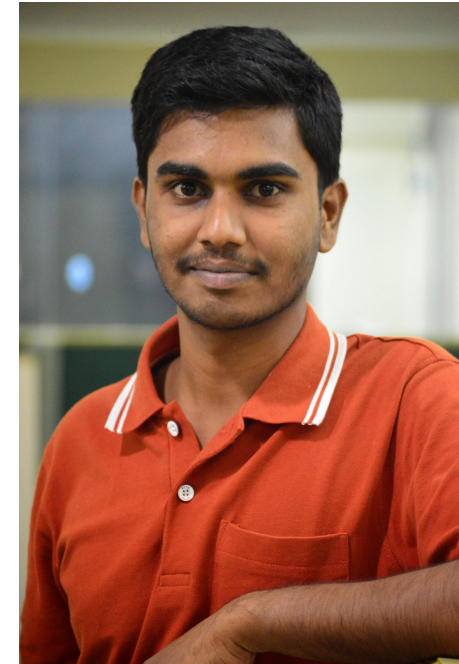
# Search API : Build your custom search pages in Drupal 8

**Arunkumar Kuppuswamy**



# Arunkumar Kuppuswamy

- Software Engineer @ Innoppl Technologies
- Site builder
- Backend Developer
- Community Contributor
- Module Contributor
- Speaker



# Agenda

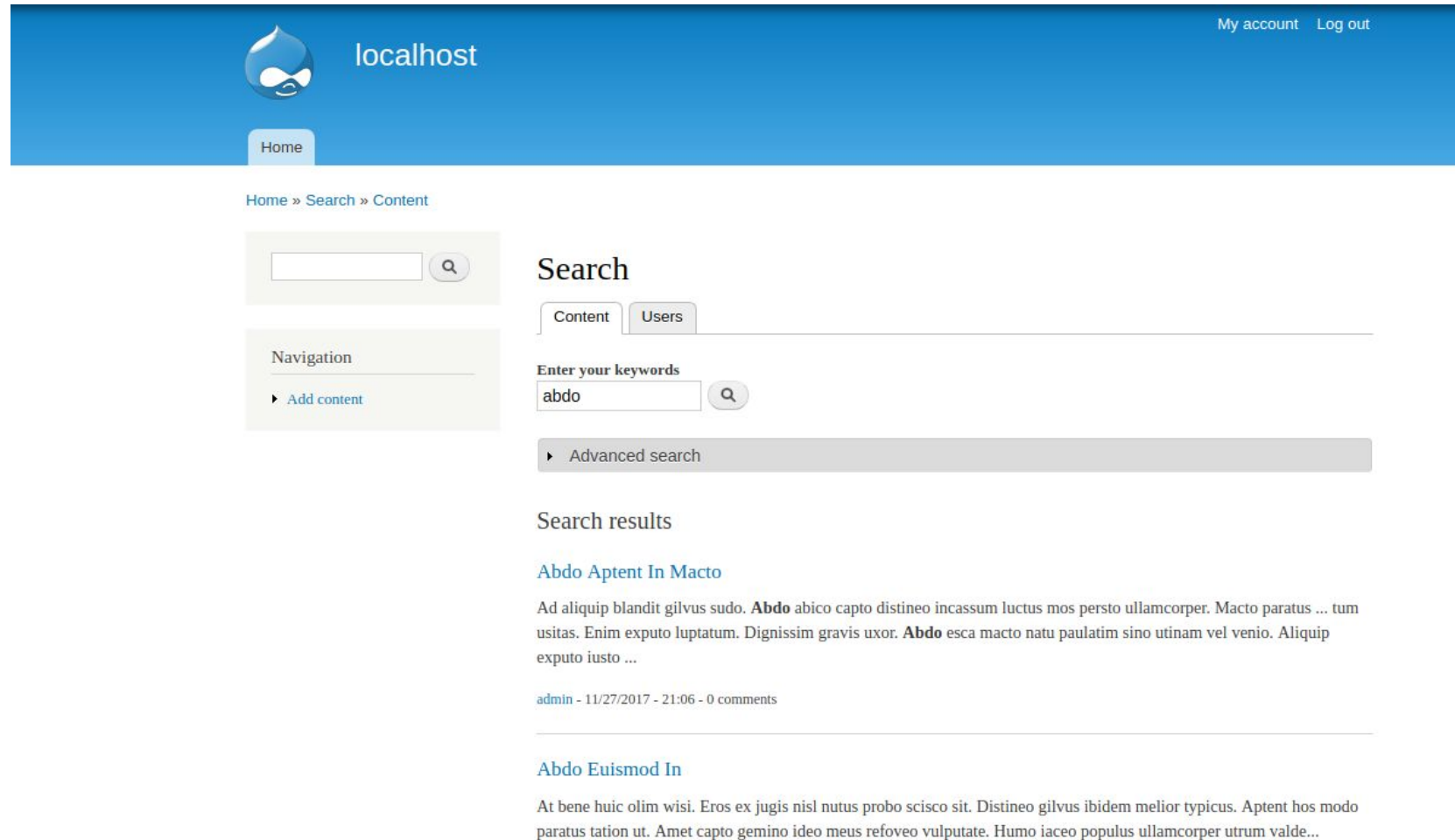
- Search in Drupal 7
- Why Search API
- What's new in Drupal 8
- Create Search page using Core Search
- Create Search page using Views
- How to Modify Search Results
- Introduction to Search API
- Creating Facets

# Search in Drupal 7



# Drupal 7 Basic core search

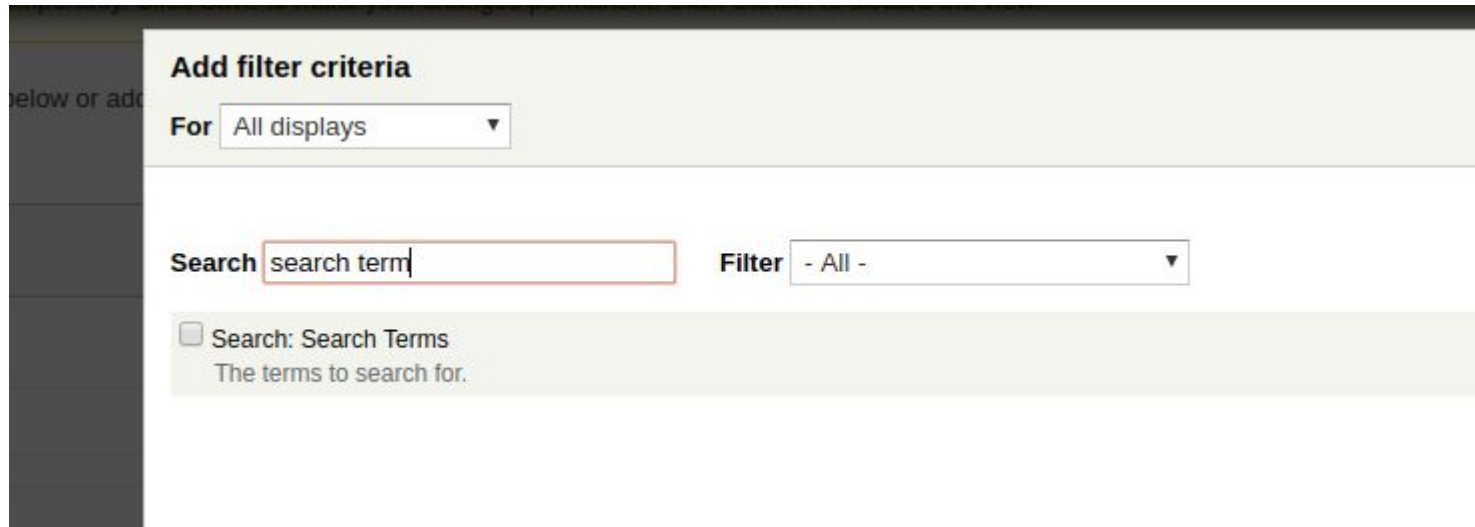
SITE\_URL/SEARCH/TYPE/{SEARCH\_KEYWORD}



The screenshot displays a Drupal 7 search interface. At the top, a blue header bar contains the Drupal logo, the text 'localhost', and links for 'My account' and 'Log out'. Below the header, a 'Home' button is visible. The breadcrumb trail reads 'Home » Search » Content'. A search box is present with a magnifying glass icon. To the left, a 'Navigation' sidebar includes a link for 'Add content'. The main search area is titled 'Search' and features tabs for 'Content' and 'Users'. Below these tabs, a search input field contains the text 'abdo' and a magnifying glass icon. A link for 'Advanced search' is located below the input field. The search results section is titled 'Search results' and lists two results. The first result is 'Abdo Aptent In Macto', with a snippet of text: 'Ad aliquip blandit gilvus sudo. **Abdo** abico capto distineo incassum luctus mos persto ullamcorper. Macto paratus ... tum usitas. Enim exputo luptatum. Dignissim gravis uxor. **Abdo** esca macto natu paulatim sino utinam vel venio. Aliquip exputo iusto ...'. The second result is 'Abdo Euismod In', with a snippet: 'At bene huic olim wisi. Eros ex jugis nisl nutus probo scisco sit. Distineo gilvus ibidem melior typicus. Aptent hos modo paratus tation ut. Amet capto gemino ideo meus refoveo vulputate. Humo iaceo populus ullamcorper utrum valde...'. The first result also includes a metadata line: 'admin - 11/27/2017 - 21:06 - 0 comments'.

# Drupal 7 Search using Views

- Contributed module **Views**
- We can create custom pages for search
- Search filter added with help of **Search Term**



The screenshot shows the 'Add filter criteria' section of the Drupal 7 Views configuration interface. It includes a 'For' dropdown menu set to 'All displays', a 'Search' text input field containing 'search term', and a 'Filter' dropdown menu set to '- All -'. Below these fields is a checkbox labeled 'Search: Search Terms' with the description 'The terms to search for.'.

# Drupal 7 Search using Views

The screenshot shows the 'Configure filter criterion: Search: Search Terms' dialog box in Drupal 7. The 'For' dropdown is set to 'All displays'. The 'Expose this filter to visitors, to allow them to change it' checkbox is checked, with the 'Required' sub-option unchecked. The 'Label' field contains 'Search Keyword' and the 'Description' field is empty. Under 'On empty input', 'Show All' is selected. Under 'Value', there is an empty text field and three unchecked options: 'Expose operator', 'Remember the last selection', and 'Remove search score'. A 'MORE' link is visible at the bottom of the configuration area. At the very bottom of the dialog are three buttons: 'Apply (all displays)', 'Cancel', and 'Remove'.

**Configure filter criterion: Search: Search Terms**

For

The terms to search for.

Expose this filter to visitors, to allow them to change it

Required

**Label**

**Description**

**On empty input**

Show All  
 Show None

**Value**

Expose operator  
Allow the user to choose the operator.

Remember the last selection  
Enable to remember the last selection made by the

Remove search score  
Check this box to remove the search score from the duplicate search results when using this filter.

[▶ MORE](#)

# Drupal 7 ApacheSolr

- <https://www.drupal.org/project/apachesolr>
- Handles the high amount of content in efficient manner.





# Drupal 7 Search API

Drupal™

Add Issues for Search API to

Download & Extend

Drupal Core Distributions Modules Themes

## Search API

View Version control View history Automated testing

Posted by [drunken monkey](#) on 5 May 2010, updated 25 September 2017

This module provides a framework for easily creating searches on any entity known to Drupal, using any kind of search engine. For site administrators, it is a great alternative to other search solutions, since it already incorporates facetting support and the ability to use the [Views module](#) for displaying search results, filters, etc. Also, with the [Apache Solr integration](#), a high-performance search engine is available for this module. Developers, on the other hand, will be impressed by the large flexibility and numerous ways of extension the module provides. Hence, the growing number of [additional contrib modules](#), providing additional functionality or helping users customize some aspects of the search process.

Cool views search

name	author	created	last commit	commits	last commit
Search API	drunken monkey	2010-05-05	2017-09-25	1450	2017-09-25
Search API (Contrib)	drunken monkey	2010-05-05	2017-09-25	1450	2017-09-25
Search API (Contrib)	drunken monkey	2010-05-05	2017-09-25	1450	2017-09-25
Search API (Contrib)	drunken monkey	2010-05-05	2017-09-25	1450	2017-09-25
Search API (Contrib)	drunken monkey	2010-05-05	2017-09-25	1450	2017-09-25
Search API (Contrib)	drunken monkey	2010-05-05	2017-09-25	1450	2017-09-25
Search API (Contrib)	drunken monkey	2010-05-05	2017-09-25	1450	2017-09-25
Search API (Contrib)	drunken monkey	2010-05-05	2017-09-25	1450	2017-09-25
Search API (Contrib)	drunken monkey	2010-05-05	2017-09-25	1450	2017-09-25

★ Star 67 ✉ No mail

### Maintainers for Search API

[drunken monkey](#) - 1450 commits  
 last: 3 weeks ago, first: 7 years ago

[Nick\\_vh](#) - 149 commits  
 last: 10 months ago, first: 6 years ago

[View all committers](#)  
[View commits](#)

### Issues for Search API

To avoid duplicates, please search before submitting a new issue.

The prime example of a site using this module is [drupal.org](#) itself - the Search API, along with the [database backend](#) and [Views](#), is used to generate the issue queue listings.

Note on security

# What's new in Drupal 8



**Drupal**™

# Drupal 8 Core Search

▼ **SEARCH PAGES**

Search page type:  
 - Choose page type - ▼ Add search page

LABEL	URL	TYPE	STATUS	INDEXING PROGRESS
⊕ Content	<a href="#">search/node</a>	Content	Default	105 of 105 indexed
⊕ Content	<a href="#">search/my-search</a>	Content	Enabled	105 of 105 indexed
⊕ Users	<a href="#">search/user</a>	Users	Enabled	Does not use index

Save configuration

# Drupal 8 Core Search Custom page

## Add new search page

Home » Administration » Configuration » Search and metadata » Search pages

### Label

Machine name: content [\[Edit\]](#)

The label for this search page.

### Path \*

search/

### ▼ CONTENT RANKING

*Influence is a numeric multiplier used in ordering search results. A higher number means the corresponding factor has more influence on search results; zero means the factor does not require the search index to be rebuilt. Changes take effect immediately.*

FACTOR	INFLUENCE
Number of comments	<input type="text" value="0"/> ▼
Keyword relevance	<input type="text" value="0"/> ▼
Content is sticky at top of lists	<input type="text" value="0"/> ▼
Content is promoted to the front page	<input type="text" value="0"/> ▼
Recently created	<input type="text" value="0"/> ▼

**Save**

# Drupal 8 Search API

## Search API ☆

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

Below is a list of indexes grouped by the server they are associated with. A server is the definition of the actual indexing, querying and storage of the indexed content (for example, all content and all comments on "Article" posts).

The default Drupal core Search module is still enabled. If you are using Search API, you probably want to [uninstall](#) the Search module for performance.

[+ Add server](#)

[+ Add index](#)

TYPE	NAME
Server	<a href="#">Database Server</a> Default database server created by the Database Search Defaults module
Index	<a href="#">Default content index</a> Default content index created by the Database Search Defaults module

# Drupal 8 View Search Custom page

## Displays

Page [+ Add](#)

Display name: [Page](#)

<b>TITLE</b> Title: <a href="#">Search Page Test</a>	<b>PAGE SETTINGS</b> Path: <a href="#">/search-page-test</a>
<b>FORMAT</b> Format: <a href="#">Unformatted list</a>   <a href="#">Settings</a> Show: <a href="#">Rendered entity</a>   <a href="#">Settings</a>	Menu: <a href="#">No menu</a> Access: <a href="#">None</a>
<b>FIELDS</b> The selected style or row format does not use fields.	<b>HEADER</b> <a href="#">Add</a>
<b>FILTER CRITERIA</b> <a href="#">Add</a> ▼ <a href="#">Search: Fulltext search (and )</a>	<b>FOOTER</b> <a href="#">Add</a>
<b>SORT CRITERIA</b> <a href="#">Add</a>	<b>NO RESULTS BEHAVIOR</b> <a href="#">Add</a>
	<b>PAGER</b> Use pager: <a href="#">Mini</a>   <a href="#">Mini pager, 10 items</a> More link: <a href="#">No</a>

[Save](#) [Cancel](#)

## Preview

Preview with contextual filters:

[Update preview](#)



# Drupal 8 Facets

## Facet settings for *Authored on facet* ☆

Edit

Facet settings

Devel

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

### Facet source \*

View Search Page Test, display Page ▼

The source where this facet can find its fields.

### Field \*

Authored on (created) ▼

The field from the selected facet source which contains the data to build a facet for.  
The field types supported are **boolean**, **date**, **decimal**, **integer** and **string**.

### Name \*

Authored on

Machine name: ta

The administrative name used for this facet.

Save

Delete

# Important modules

- [Search API](#)
- [Facet](#)
- [Custom search](#)
- [Search API Exclude](#)
- [Search Exclude \(node\)](#)
- [Search Exclude \(nid\)](#)
- [Search API attachment](#)
-



# References

## Installation:

<https://www.youtube.com/watch?v=djoV60B0FIE>

<https://www.youtube.com/watch?v=4Gl9s40vldY>

<https://www.drupal.org/docs/7/installing-drupal-7/step-4-run-the-installation-script>

## Site Building:

<https://drupalize.me/guide/learn-drupal-8>

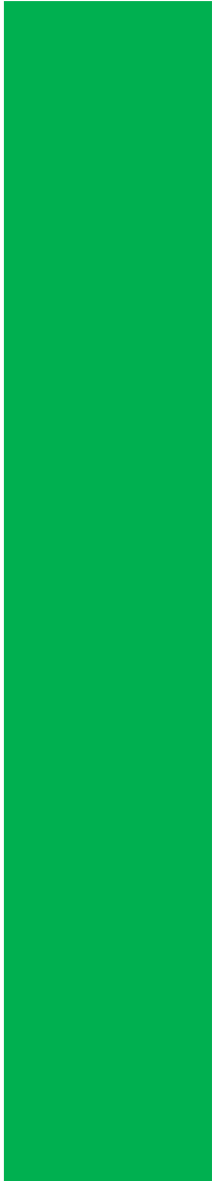
<https://www.ostraining.com/class/d8-beginner/>

<https://www.drupal.org/site-building>

[https://www.youtube.com/playlist?list=PLtaXuX0nEZk-Mer\\_a\\_P1sp0mroJGVs6TK](https://www.youtube.com/playlist?list=PLtaXuX0nEZk-Mer_a_P1sp0mroJGVs6TK)

[https://www.youtube.com/playlist?list=PLtaXuX0nEZk9MKY\\_CIWcPkGtOEGyLTyCO](https://www.youtube.com/playlist?list=PLtaXuX0nEZk9MKY_CIWcPkGtOEGyLTyCO)

Queries?





thank you!