



DRUPAL CON VIENNA

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Building amazing searches with Search API

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Building amazing searches with Search API








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Site Building





Outline

-  Overview and Basics
-  Creating the basic search configuration
-  Adding a search view
-  Autocomplete
-  Facets
-  Search API (Multilingual) Solr Search
-  Q & A





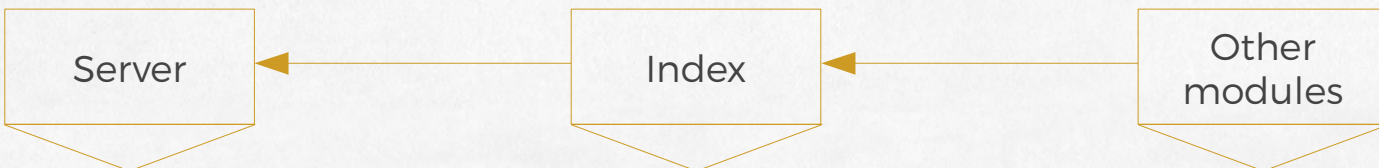
The Search API module

- Previously: Specialized modules, duplicating lots of work
- Search API: Common basis for search modules
- Search any kind of data
- Use any kind of backend
- Create search pages with any technology
- Available for Drupal 7 and 8





Building blocks



- ✦ Storage mechanism
- ✦ E.g., database, Solr, ...
- ✦ How to index, search, ...
- ✦ Separate modules

- ✦ Central configuration
- ✦ Search what/how?
- ✦ Backend-independent


- ✦ Views, Facets, ...
- ✦ Only use index
 - ➔ Backend-independent






Index configuration

Datasources


-  Types of items that get indexed

-  E.g., nodes (of certain types), comments, users, ...


Fields


-  The properties that should be searchable

-  Can be indexed with different types

-  Used for fulltext search, filtering or sorting

Processors

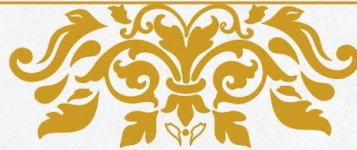
-  Modify indexing and searching process

-  Can influence functionality in many ways



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LIVE DEMO



Search API Autocomplete

- ✦ Suggest searches to users as they type
- ✦ Easily extendable
- ✦ Default implementation relies on server
 - ✦ (Support depends on backend)



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LIVE DEMO



Facets

- Dynamic filtering of results
- Different widgets/types
- Also relies on backend
- Not restricted to Search API

Author name

- Douglas Adams (5)
- Ernest Hemingway (4)
- George Bernard Shaw (4)
- George Orwell (4)
- J. R. R. Tolkien (4)
- Astrid Lindgren (3)
- Jane Eyre (3)
- P. G. Wodehouse (3)
- Patrick Rothfuss (3)
- Salman Rushdie (3)

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Search books

Displaying 1 - 10 of 101

Title
Pride and Prejudice
The Long, Dark Tea-Time of t
The Salmon of Doubt
Nineteen Eighty-Four
The Wise Man's Fear
The Old Man and the Sea
For the Win
Animal Farm
The Inimitable Jeeves



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LIVE DEMO





Search API (Multilingual) Solr Search

- ✦ Faster
- ✦ Native support for different languages
- ✦ Much more Features, for example
 - ✦ phonetic search
 - ✦ location / proximity searches
 - ✦ spell checking
 - ✦ ...
- ✦ Simply a real search engine ;-)



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LIVE DEMO





JOIN US FOR
CONTRIBUTION SPRINT
Friday, September 29, 2017

Mentored
Core Sprint

9:00-18:00
Room: Stolz 2

First time
Sprinter Workshop

9:00-12:00
Room: Lehar 1 - Lehar 2

General Sprint

9:00-18:00
Room: Mall



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