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DRUPALCON 2015



# Building amazing searches with Search API

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**(drunken monkey)**

Site Building

# Overview

- **Created 2010 (for Drupal 7)**
- **Based on suggestions for Core Search**
- **Generic and flexible search tools**
  - **Different data**
  - **Different search engines**
  - **Different types of user interfaces**



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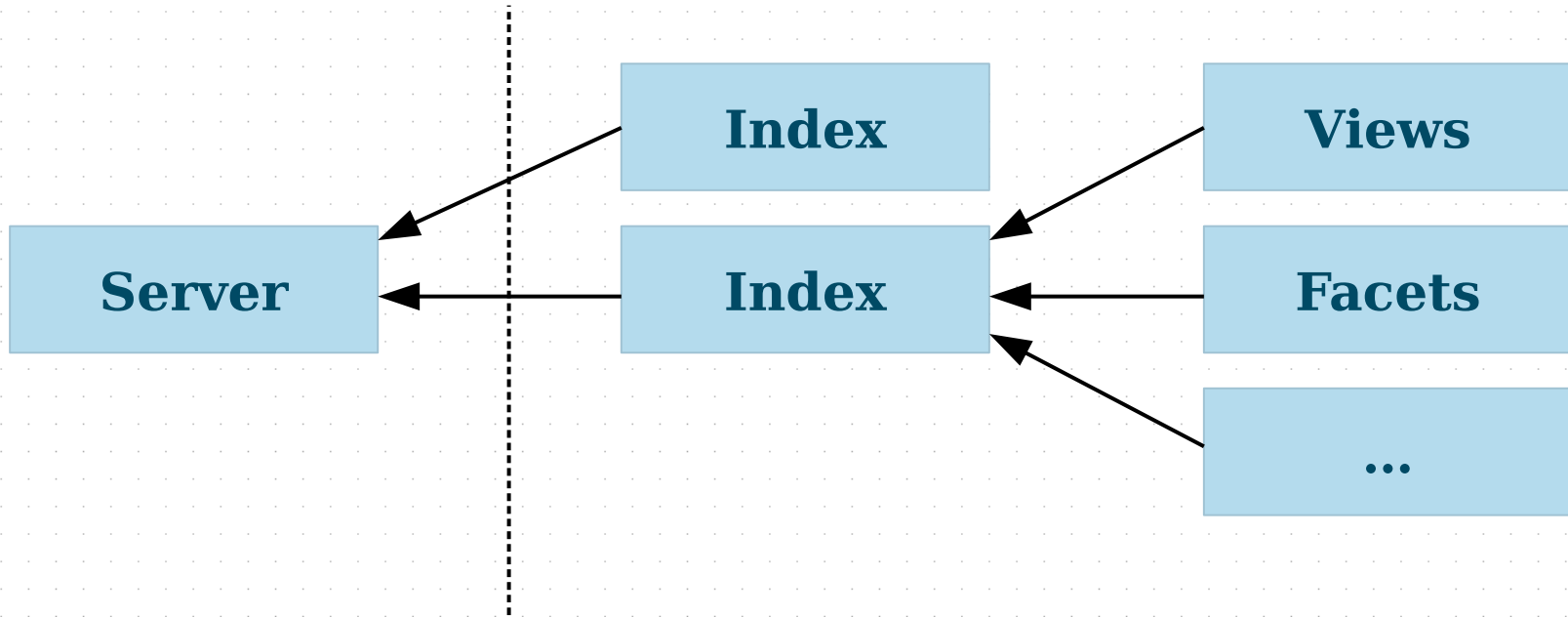
# Basic architecture

- **Search index**
  - **Generic information**
  - **Search *what?***
- **Search server**
  - **Actual storage/retrieval**
  - **Can use database, Solr, etc.**
  - **Search *how?***



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# Basic architecture





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[Live demo]

# Index items immediately

## Pro

- No stale data
  - Security concerns
- User experience

## Contra

- Performance
- Possibly longer waits

**→ Usually good idea on smaller sites**



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[Live demo]





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# Access control

- **Several options for content and comments**
  - “Index items immediately” is important
- **Otherwise needs manual handling!**



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[Live demo]



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# Setting up Solr

- **Self-installed or Solr Hosted**
- **Use config files from module**
- **Security concerns**
- **See the [Drupal.org handbook](#)!**



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[Live demo]



# Planned further changes

- **Simplified UI**
  - **More Views-like UI for “Fields”**
  - **Wizard for easy search creation**
- **Smaller changes**
  - **Indexing performance**
  - **Caching**
  - **Operators**



# Add-on modules

- Facets
- Autocomplete
- Saved searches
- (Location)
- (Attachments)
- (Sorts)
- (Ranges)
- ~~Multi-index searches~~
- Pages



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# What Did You Think?

Evaluate This Session

[barcelona2015.drupal.org/schedule](http://barcelona2015.drupal.org/schedule)

Thank you!

