



DRUPAL CAMP

SAINT LOUIS

JUNE 20-21

Advanced Concepts Room

SESSION:

SCALE UP YOUR DRUPAL SEARCH

SPEAKER:

Julia

Founding Partner, Technology
Spry Digital

@juliakoelsch

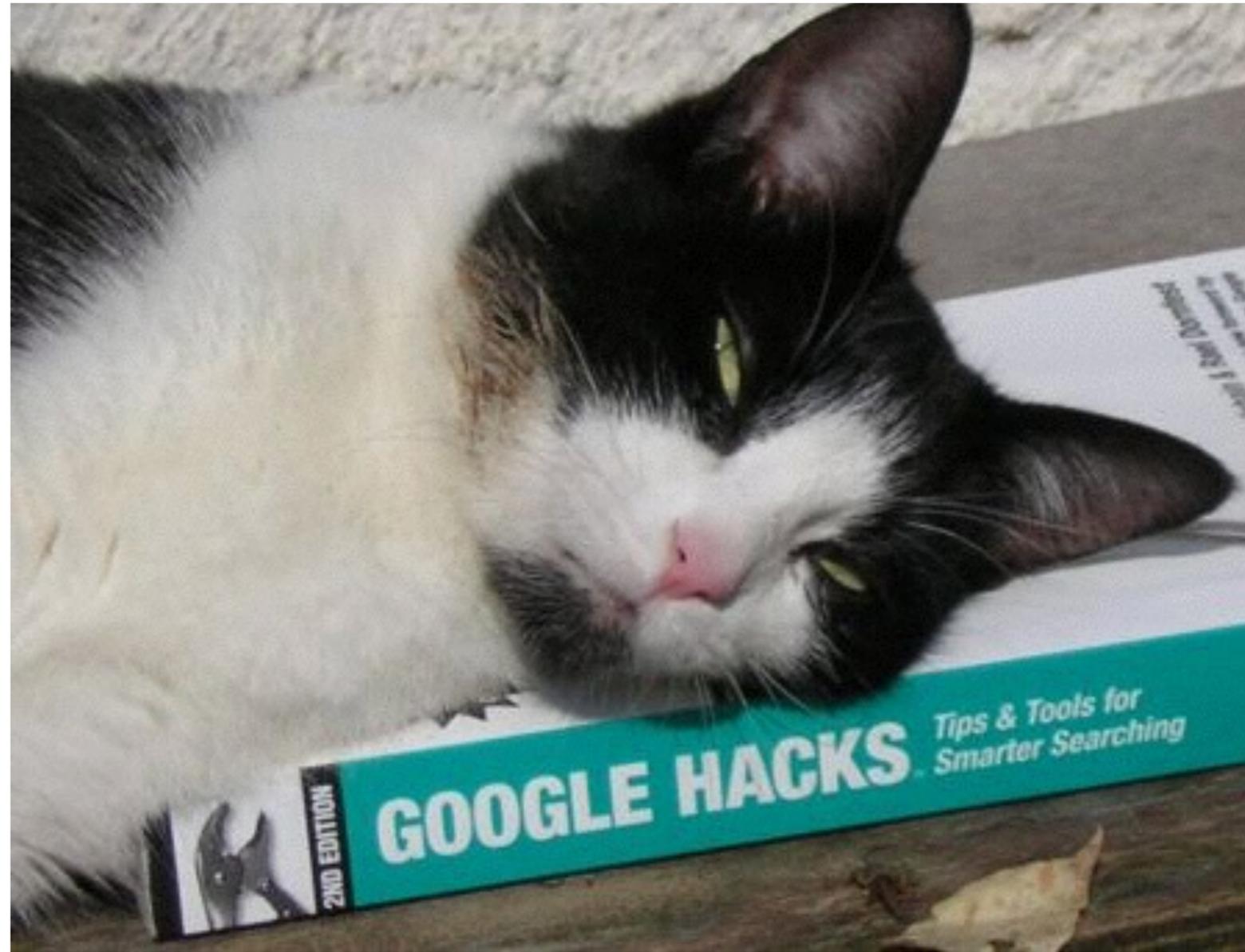
@SpryDigital

Drupal Search

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~~SEARCH~~
ADVANCED
SOLR
FACET
GOOGLE
TIKA
INDEX
FILTER
~~DRUPAL~~





Search is HARD



Core Search

- **Indexes visible NODE content**
 - **Title, body, comments, other fields**
 - **User names and email addresses**
- **What isn't indexed?**
 - **Hidden node content**
 - **blocks**
 - **user profile fields**
 - **other non-node content**

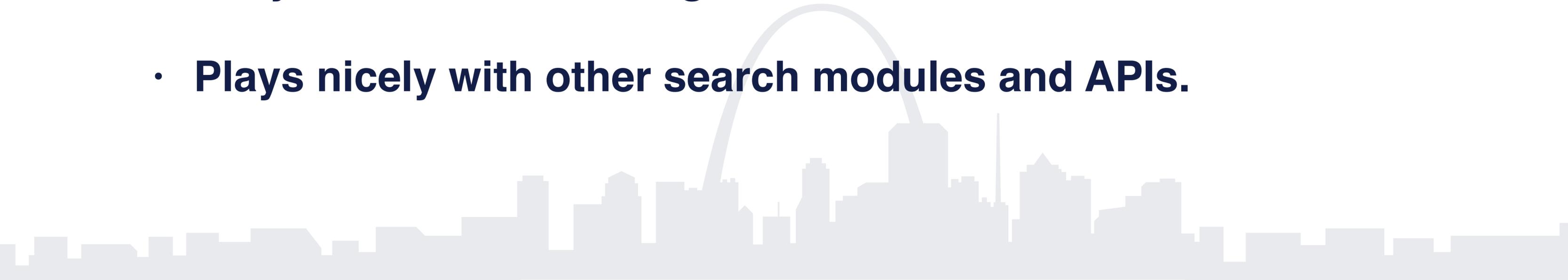




Scale up Core Search

Custom Search module

- **Custom Search module**
 - **Lets you control what gets indexed, whether to have an advanced search filter, and lots of other stuff**
 - **Easy to install and configure**
 - **Plays nicely with other search modules and APIs.**



Facet API

- **Facet API**
- **Facets allow very fine-grained control on filtering search results**
- **Works with core search, as well as Search API and Solr search**



Search API

- **This is a powerful module to allow deeper search functionality through core functionality and extensions**
 - **What drupal.org uses**
 - **Requires a server to store the index. This can be the database, or an external server like Solr**
 - **Many useful extensions: Views integration, autocomplete, location, etc**
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Solr

- **What is Solr**
- **Why use Solr**
- **How to install Solr**
 - **Host it yourself**
 - **3rd party hosts: https://www.drupal.org/project/search_api_solr has a list**
- **How to integrate it in Drupal: 2 competing modules**
 - **Apache Solr Search**
 - **Search API**



Elasticsearch

- **What is Elasticsearch**
- **Why use Elasticsearch**
 - **Has a RESTful API and is schema-less: learning curve isn't as deep**
- **How to install Elasticsearch**
 - **Needs a JVM to run**
- **How to integrate it in Drupal: two modules**
 - **Search API Elasticsearch**
 - **Elasticsearch Connector**

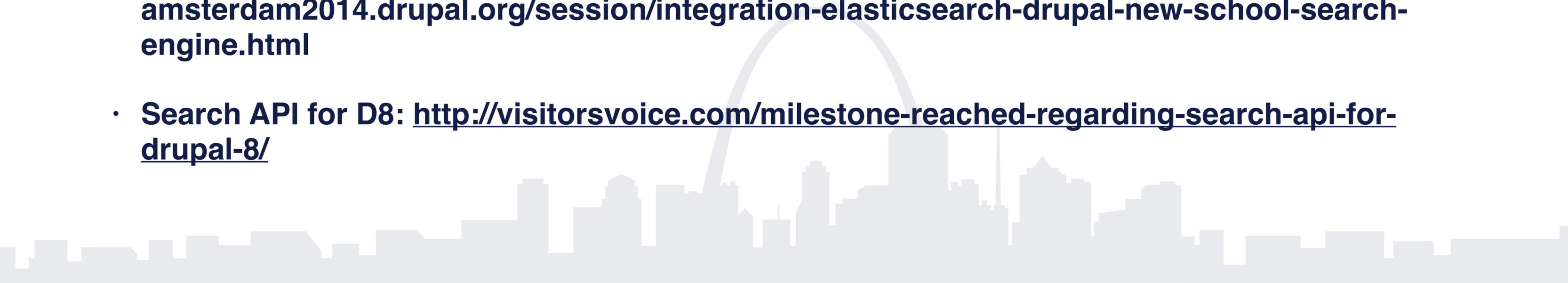


Search in D8

- **Core search isn't going away**
- **Search API is the way forward for search beyond the basics**
- **Developers for the 2 different D7 modules joined together to work on Search API**
 - **easier to configure**
 - **more flexible and powerful**



Resources

- **Drupal Core Search documentation: <https://www.drupal.org/documentation/modules/search>**
 - **Walkthrough of Custom Search module: <https://www.ostraining.com/blog/drupal/custom-search-module/>**
 - **Analysis of many search options: <https://swsblog.stanford.edu/blog/better-search-drupal>**
 - **Comparison of Solr and Elasticsearch: <http://solr-vs-elasticsearch.com/>**
 - **Elasticsearch session at DrupalCon Amsterdam (audio is not great): <https://amsterdam2014.drupal.org/session/integration-elasticsearch-drupal-new-school-search-engine.html>**
 - **Search API for D8: <http://visitorsvoice.com/milestone-reached-regarding-search-api-for-drupal-8/>**
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The End