☀ new target

Stunning Ideas, Delivered Online.

Introduction

Introduction

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United States

LinkedIn
Drupal Answers

Current Role(s):
Director of Technology
New Target, Inc.

IRC: codezpecg

Professional Info

Industries Worked In:
Associations, Non-Profit,
Government, Corporate

http://www.newtarget.com

Personal Info

Gender: male

Languages spoken:
Bosnian
Croatian
English
Serbian
Serbo-Croatian

History

Member for   4 years 2 months

Documentation   Over 5 edits

Areas of Expertise:
Developer
Frontend developer
Project Manager
System Architect
Consultant
Drupal Events:
DrupalCon Denver 2012
DrupalCon Portland 2013
DrupalCon Austin 2014
DrupalCon Los Angeles 2015

Projects

Slickmap (10 commits)
Traffic Advisor (9 commits)
Commerce CyberSource SASOP (2 commits)
Revive Adserver Keywords (2 commits)
MD5 Check (1 commit)
DeDupe Content Checker (1 commit)
Membersuite SSO (1 commit)
Claymore (1 commit)
Fellowship One SSO (1 commit)
Total: 28 commits

Hey! Want to support the Drupal Community, Drupal.org's infrastructure, and get one of the cool Drupal Association badges on your profile page? Become an Individual Member today.

pgrujic helps support and grow the Drupal community with the Drupal Association.

I contributed Drupal patches
I contributed Drupal modules
I contributed to Drupal.org
I contributed Drupal documentation
I contributed Drupal translations
I reviewed Project applications
I help in the Drupal support forums
I provide Drupal-related services
I give support on IRC

New Target Inc

- Creating membership experiences

- Integrating association technologies

- Utilizing the best techniques and languages

- Designing elegant purpose-driven designs

- Architecting performance

Introduction

Our Services

Strategy · Design · Development · Integration · Hosting · Marketing

Introduction

Our Experience

Drupal and Solr Search: A Powerful Marriage

What is Apache Solr?

Apache Solr

Blazing fast open source enterprise search

What is Solr?

- A service that runs separately from your website

- Contains a copy of each piece of content that might come back from a search

- Responds to queries by deciding which copies are most relevant to the submitted search terms

- Returns a list telling your site what pieces of content to display and in what order
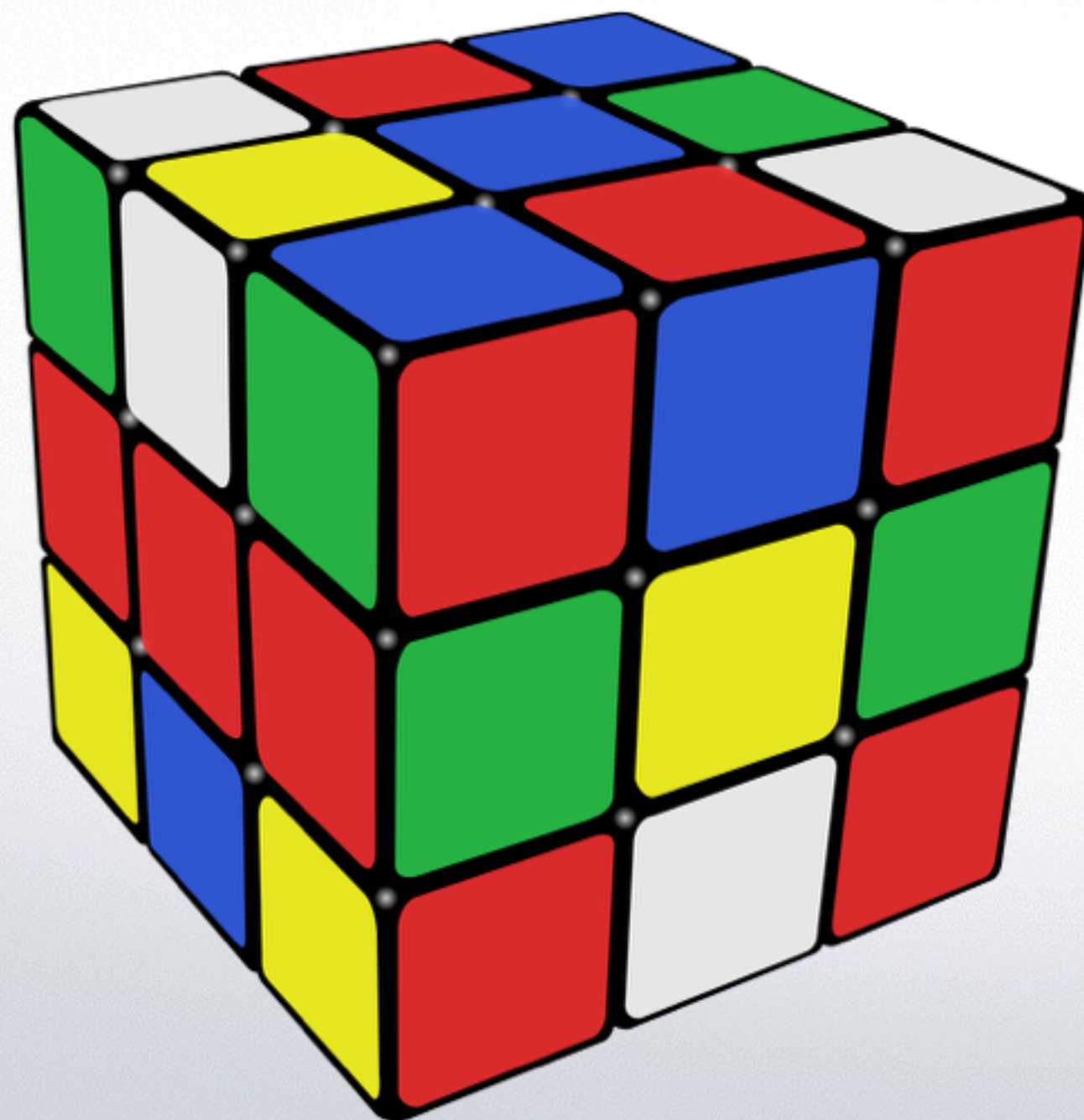
What is Solr made of?

- One or more cores, each with:

- A Lucene index

- Configuration files defining a schema for each core

- A REST-like interface to:

- Handle index submissions, deletions and updates

- Accept and respond to queries

- Plug-ins like Tika (for indexing PDFs and Word documents)

Query Database?

Databases must be organized into neat columns and rows
Solr uses an indexing library called Lucene that is designed for unstructured data
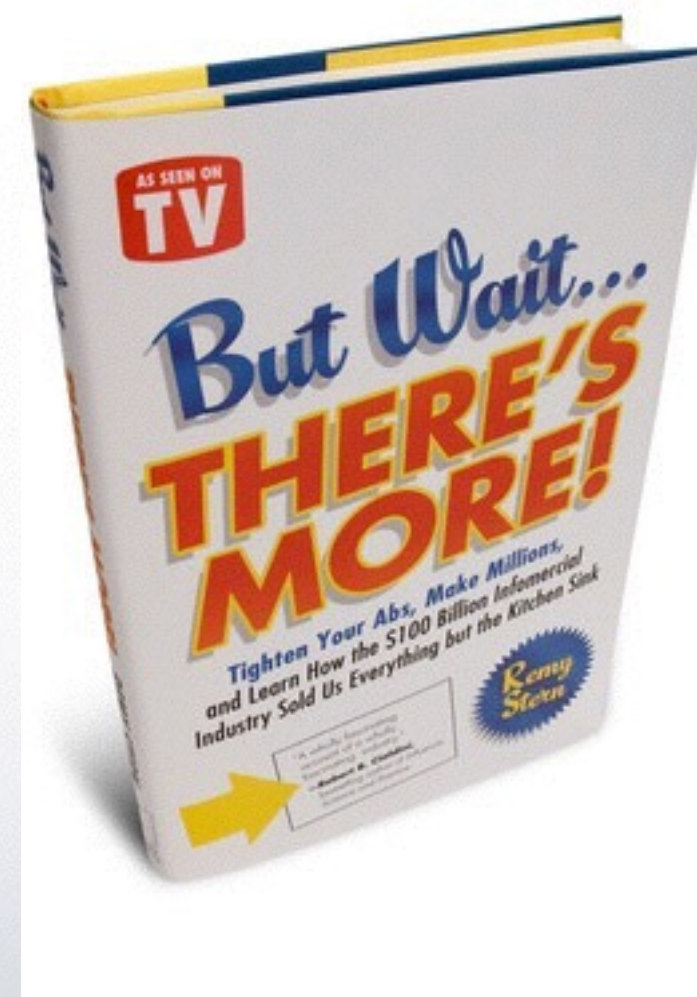
How does it work?

It makes an "inverted index" of each word in each document
How frequent is it in the document?
How rare is it on the site?
Is it in bold? Is it in the title?

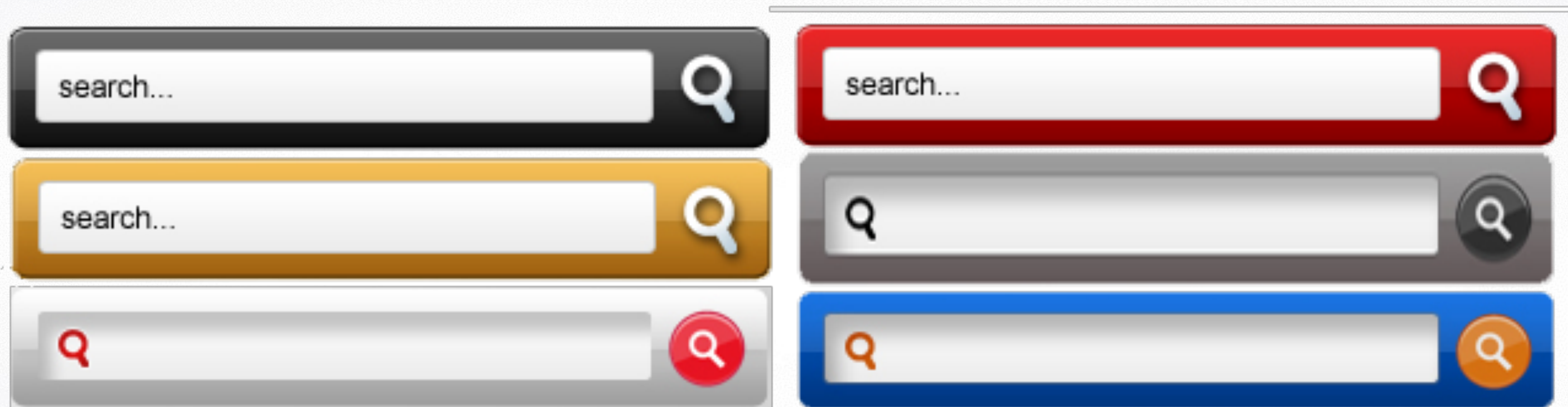It uses its index to match search words to the most relevant documents

What else does Solr do?

- Pagination
- Sorting
- Faceting
- Spell checking
- Hit highlighting
- "More like this"
- Document clustering
- Multilingual searching

What is Solr missing?

A user-friendly interface for indexing and searching

Drupal to the rescue

Drupal Modules

Choose Your Own Adventure

Solr Modules

Apache Solr Search

- Reported installs: 21,571 sites currently report using this module.

- Downloads: 488,672

Search API

- Reported installs: 65,541 sites currently report using this module.

- Downloads: 574,446

A Brighter Future

Apache Solr Search and Search API join forces for Drupal 8

Apache Solr Search

- Apache Solr Search https://www.drupal.org/project/apachesolr

- Apache Solr Attachments https://www.drupal.org/project/apachesolr_attachments

- Apache Solr Sort https://www.drupal.org/project/apachesolr_sort

- Apache Solr Autocomplete https://www.drupal.org/project/apachesolr_autocomplete

- Facet API https://www.drupal.org/project/facetapi

Apache Solr Hooks

- **hook_apachesolr_process_results** - This is invoked by apachesolr_search.module for the whole resultset returned in a search.

- **hook_apachesolr_query_alter** - Alter the query after it's prepared and cached.

- **hook_apachesolr_query_prepare** -Prepare the query by adding parameters, sorts, etc.

- **hook_apachesolr_search_page_alter** -Modify the build array for any search output build by Apache Solr This includes core and custom pages and makes it very easy to modify both of them at once

- **hook_apachesolr_search_result_alter** - This is invoked by apachesolr_search.module for each document returned in a search. T

- **hook_apachesolr_search_types_alter** - Modify the search types as found in the search pages administration

- **More @ http://www.drupalcontrib.org/api/drupal/contributions!apachesolr!apachesolr.api.php/7**

Simple Hook

```
function deathstar_custom_apachesolr_search_page_alter(array &$build, array $search_page) {

  // Adds a text to the top of the page

  $info = array('#markup' => t('Add information to every search page'));

  array_unshift($build, $info);



  foreach ($build['search_results']['#results'] as $key=>$result){

    $build['search_results']['#results'][$key]['snippet'] = str_replace('Fortune', 'Luck', $build['search_results']['#results'][$key]['snippet']);

  }

}
```

Stuck?

HELP!

- Drupal Answers - drupal.stackexchange.com

- Drupal Forums - www.drupal.org/forum

- **This session useful links** - www.newtarget.com/solr

Demonstration