

Apache Solr Quick Start

- What is Solr?
- How do you run it locally?
- How do you interface with Drupal?

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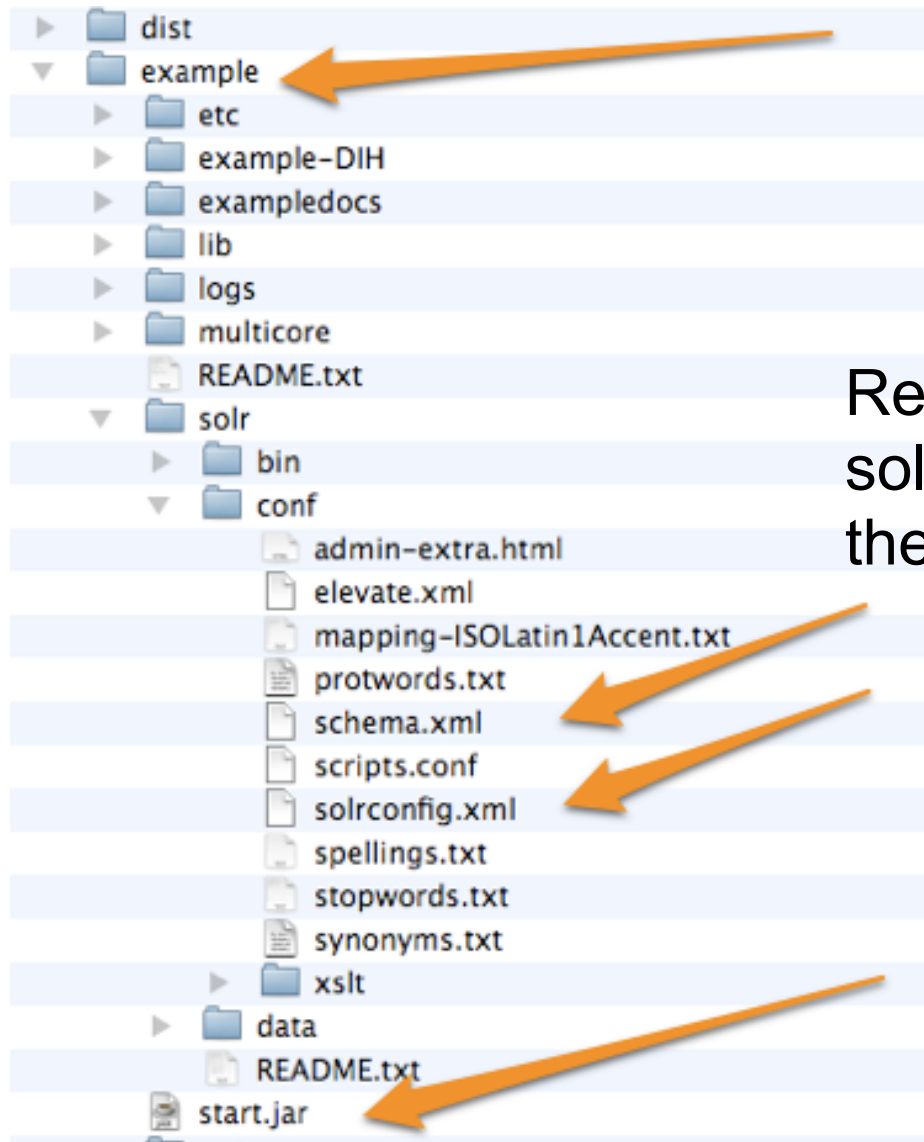
Solr is a java search engine

- integrating with Solr gives you many more features than are built into Drupal core
- Solr displaces load from your database server
- Solr offers faceted search, attachment extraction, etc.
- It's written as a layer on top of the java Lucene search library.

Getting Started

- <http://lucene.apache.org/solr/>
- <http://www.apache.org/dyn/closer.cgi/lucene/solr/>
- <http://drupal.org/node/1358710>
- <http://www.nickveenhof.be/blog/simple-guide-install-apache-solr-3x-drupal-7>

Run Solr Using the Example Dir



Replace the schema.xml and solrconfig.xml with the ones from the Drupal module

Invoke the start.jar:

```
java -jar start.jar
```

Browser window showing the Solr Admin page at <http://localhost:8983/solr/admin/>.

Solr Admin (drupal-0.9.5)

192.168.137.1:8983
cwd=/Users/pwolanin/apachesolr-1.4/example SolrHome=solr/

Apache Solr

Solr

- [SCHEMA] [CONFIG] [ANALYSIS] [SCHEMA BROWSER]
- [STATISTICS] [INFO] [DISTRIBUTION] [PING] [LOGGING]

App server:

- [JAVA PROPERTIES] [THREAD DUMP]

Make a Query

[FULL INTERFACE]

Query String:

Assistance

- [DOCUMENTATION] [ISSUE TRACKER] [SEND EMAIL]
- [SOLR QUERY SYNTAX]

Drupal Interacts with Solr via HTTP

- Drupal sends data to Solr as XML documents
- Solr accepts documents POSTed to /update
- A different XML can be POSTed to delete
- Searching, etc are GET requests
- If something is not working as expected, you can try searching directly in Solr via URL
- Solr also includes admin and analysis interfaces (you need to lock this down for production).