ReleaseNote51

{{{14 April 2015, Apache Solr™ 5.1 available

Solr is the popular, blazing fast, open source NoSQL search platform from the Apache Lucene project. Its major features include powerful full-text search, hit highlighting, faceted search, dynamic clustering, database integration, rich document (e.g., Word, PDF) handling, and geospatial search. Solr is highly scalable, providing fault tolerant distributed search and indexing, and powers the search and navigation features of many of the world's largest internet sites.

Solr 5.1 is available for immediate download at:
http://lucene.apache.org/solr/mirrors-solr-latest-redir.html

See the CHANGES.txt file included with the release for a full list of details.

Solr 5.1 Release Highlights:

- The new Facet Module, including the JSON Facet API.
  This module is currently marked as experimental to allow for further API feedback and improvements.
  This is not yet documented in the ref guide. See http://yonik.com/json-facet-api/

- A new JSON request API.
  This feature is currently marked as experimental to allow for further API feedback and improvements.
  This is not yet documented in the ref guide. See http://yonik.com/solr-json-request-api/

- The ability to upload and download Solr configurations via SolrJ (CloudSolrClient).

- First-class support for Real-Time Get in SolrJ.

- Spatial 2D heat-map faceting.

- EnumField now has docValues support.

- API to dynamically add Jars to Solr's classpath for plugins.

- Ability to enable/disable individual stats in the StatsComponent.

- lucene/solr query syntax to give any query clause a constant score.

- Schema API enhancements to remove or replace fields, dynamic fields, field types and copy fields.

- When posting XML or JSON to Solr with curl, there is no need to specify the content type.

- A list of update processors to be used for an update can be specified dynamically for any given request.

- StatsComponent now supports Percentiles.

- facet.contains option to limit which constraints are returned.

- Streaming Aggregation for SolrCloud.

- The admin UI now visualizes Lucene segment information.

- Parameter substitution / macro expansion across entire request

Solr 5.1 also includes many other new features as well as numerous optimizations and bugfixes of the corresponding Apache Lucene release.

Detailed change log: http://lucene.apache.org/solr/5_1_0/changes/Changes.html

Also available is the Solr Reference Guide for Solr 5.1. This PDF serves as the definitive user's manual for Solr 5.1. It can be downloaded from the Apache mirror network: https://s.apache.org/Solr-Ref-Guide-PDF

Please report any feedback to the mailing lists (http://lucene.apache.org/solr/discussion.html)

Note: The Apache Software Foundation uses an extensive mirroring network for distributing releases. It is possible that the mirror you are using may not have replicated the release yet. If that is the case, please try another mirror. This also goes for Maven access.
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