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Welcome to the Apache Solr Wiki

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Solr Documentation

[Official documentation](#) for the latest release of Solr can be found on the Solr website. Of particular note is the [Solr Reference Guide](#) which is published by the project after each minor release.

The rest of this wiki is community edited and captures version agnostic information, User submitted Tips & Tricks, historical information on Solr, as well as some areas of Solr not yet covered in the Reference Guide.

General Information

- [Solr Website](#)
- [Download latest Solr Release](#)
- [Introduction to Solr](#)
- [Solr Tutorial](#)
- SOLR mailing lists: [Sign-up](#) or Search/Browse the [Mailing List Archives](#)
 -  Please read these [tips on using the mailing lists effectively](#) before posting.
- The Solr [Relevancy FAQ](#) and the Solr [\[SolrRelevancyFAQ\]](#)
- [SolrResources](#) - Books, Blogs, Reviews, Articles, Product Sheet, Presentations, etc...
 - [User Submitted Use Cases](#)
- [SolrTerminology](#)
- [Powered by Solr](#)
- [SolrPerformanceData](#)
- [Support](#) - People and companies for hire
- [Solr Change Log](#) with all the juicy info about recently committed features.

Solr Development

- [HackingSolr](#) – Info for people interested in hacking and customizing the Solr application
- [TestingSolr](#) – Information for running Solr unit tests
- [NightlyBuilds](#) – Jenkins hosts nightly Solr builds
- Latest stable code for [6.x branch](#) (github URL)
- [TaskList](#) of ideas for future development
- [HowToContribute](#) improvements
- [Info For Committers](#)
- [TestPlans](#)
- [Deprecations](#)
- [HowToCompileSolr](#) – steps tested under Windows 7 / Windows 8
- Experiments
 - [Guice + Restlet](#) – Docs on experimental refactoring of Solr to use Guice and Restlet

Using Solr

Installation and Configuration

- [General Installation Steps](#)

- Includes information about useful settings in specific environments
- [SolrLogging](#)
- [ConfiguringSolr](#)
 - [SolrConfigXml](#)
 - [SchemaXml](#)
 - [SchemaRESTAPI](#)
 - [AnalyzersTokenizersTokenFilters](#)
 - [SolrAndHTTPCaches](#)
 - [CoreAdmin](#) (i.e. MultiCore)
- [SolrAdminGUI](#)

Search and Indexing

- Indexing Documents
 - [Adding Documents in XML format](#) - Covers XML syntax for adds, deletes, commits and optimizes
 - [Adding Documents in JSON format](#) - Covers JSON syntax for adds, deletes, commits and optimizes
 - [Adding Documents in CSV format](#)
 - [DataImportHandler](#) - Solr contrib that supports full and delta indexing directly from SQL databases, and local or REST accessible XML files.
 - [AnalysisRequestHandler](#) - Analyzing documents without indexing
 - [Solr Content Extraction Library \(Solr Cell\)](#) - Covers how to index MS Word, PDF, etc. using Solr Cell (a.k.a. ExtractingRequestHandler). Also see the older version at [UpdateRichDocuments](#)
 - [Update Processors](#) - Update Processors define how an update request is processed.
 - [Deduplication](#) - Prevent or tag duplicate documents
- Searching Solr
 - [Request Handlers](#) - Control the logic used to process requests. Several different Request Handlers are included with Solr, or you can write your own custom implementation.
 - [Response Writers](#) - Control the formatting of the responses generated by Request Handlers. Several different Response Writers are included with Solr, or you can write your own custom implementation.
 - Input Parameters
 - [QueryParametersIndex](#) - index of query parameters in following wiki pages
 - [CoreQueryParameters](#)
 - [CommonQueryParameters](#)
 - [SimpleFacetParameters](#)
 - [HighlightingParameters](#)
 - [MoreLikeThis](#)
 - [Search Components](#) - Search Components provide core functionality to a Request Handler.
 - [Query Syntax](#) - Syntax for default query parsing, and how to specify a Query Parser.
 - [Function Queries](#) - Using the values in fields in functions and as factors in scoring
 - [Faceted search](#) - Category counts for search results
 - [\(Geo\)Spatial Search](#) - Find results near a point
 - [Field Collapsing](#) / Result Grouping - documents with a common field value are grouped
 - [Join](#) - Do joins (similar to database) on documents

SolrCloud

When you are ready to scale beyond a single node, see [SolrCloud](#). For information on individual Application Servers, or stand-alone deployments, see the list of options on the [Solr Installation](#) page.

Advanced Tools

- [Carrot2-based Document Clustering](#) - Summarize/compare all documents returned by a query
- [Language Detection](#) - Deduce the language of a document
- [Language Translation](#) - Based upon language identification, undertake document language translation
- [UIMA Natural Language Processing](#) - Sophisticated NLP suite, originally from IBM Research
- [Lucene Document Classification Integration](#) - Index time classification integration
- [OpenNLP Natural Language Processing](#) - Simple NLP suite
- [Business Rules](#) - Alter stored documents and query results with flexible dynamic rules engine

Tips, Tricks and Use Cases

- [SolrPlugins](#)
- [SolrRelevancyCookbook](#)
- [NearRealtimeSearch](#)
- Auto-complete - Use either [Faceting with facet.prefix](#) or [Suggester](#) or [TermsComponent](#)
- [UniqueKey](#) - Covers tips about unique keys in the schema
- [Japanese Language Support](#) - How to search Japanese text, best practices and various considerations
- [Serbian Language Support](#) - about support for Serbian language
- Using [PreAnalyzedField](#) type and [PreAnalyzedUpdateProcessorFactory](#) for integration with external document processing pipelines
- [DateRangeField](#)

Solr Clients

- [IntegratingSolr](#) - includes information about accessing Solr from a variety of programming languages and existing third party applications.

Operations and Production

- [SolrCaching](#)
- [SolrPerformanceFactors](#)
- [SolrSecurity](#)
- Index Replication
- Built in [SolrRequestHandler](#) based [SolrReplication](#)
- Unix script based [CollectionDistribution](#)
- [DistributedSearch](#)
- [CollectionRebuilding](#)
- [MergingSolrIndexes](#)
- [SolrOperationsTools](#)
- [SolrJmx](#) and [SolrMonitoring](#)
- [SolrJavaVersions](#)

User-contributed content

- [Translations](#) - Unofficial translations of the official documentation, in hope of easing the review process.
- :TODO:  How to implement basic indexing in Tomcat