ReleaseNote86

15 July 2020, Apache Solr™ 8.6.0 available

The Lucene PMC is pleased to announce the release of Apache Solr 8.6.0

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 8.6.0 is available for immediate download at: https://lucene.apache.org/solr/downloads.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.

Please report any feedback to the mailing lists (https://lucene.apache.org/solr/community.html#mailing-lists-irc)

Solr 8.6.0 Release Highlights:

- Cross-Collection Join Queries:
  Join queries can now work cross-collection, even when shared or when spanning nodes.
- Search:
  Performance improvement for some types of queries when exact hit count isn't needed by using BlockMax WAND algorithm.
- Streaming Expression:
  Percentiles and standard deviation aggregations added to stats, facet and time series.
  Streaming expressions added to /export handler.
  Drill Streaming Expression for efficient and accurate high cardinality aggregation.
- Package manager:
  Support for cluster (CoreContainer) level plugins.
- Health Check:
  HealthCheckHandler can now require that all cores are healthy before returning OK.
- Zookeeper read API:
  A read API at /api/cluster/zk/* to fetch raw ZK data and view contents of a ZK directory.
- Admin UI:
  New panel with security info in admin UI's dashboard.
- Query DSL:
  Support for `{param:ref}` and `{bool: {excludeTags:""}}`
- Ref Guide: Major redesign of Solr's documentation.

A summary of important changes is published in the Solr Reference Guide at https://lucene.apache.org/solr/guide/8_6/solr-upgrade-notes.html. For the most exhaustive list, see the full release notes at https://lucene.apache.org/solr/8_6_0/changes/Changes.html or by viewing the CHANGES.txt file accompanying the distribution. Solr's release notes usually don't include Lucene layer changes. Lucene's release notes are at https://lucene.apache.org/core/8_6_0/changes/Changes.html