ReleaseNote8_10

27 Sep 2021, Apache Lucene™ 8.10 available

The Lucene PMC is pleased to announce the release of Apache Lucene 8.10.

Apache Lucene is a high-performance, full-featured text search engine library written entirely in Java. It is a technology suitable for nearly any application that requires full-text search, especially cross-platform.

This release contains numerous bug fixes, optimizations, and improvements, some of which are highlighted below. The release is available for immediate download at:


Lucene 8.10 Release Highlights

New features

- Multi-valued fields are now supported in numeric range facet counting
- Added new analyzer for Telugu
- Near-real-time readers opened from an IndexCommit can now sort their leaves
- SimpleText codec now implements skipping for its postings lists

Optimizations

- Performance improvements for faceting, including a new protected API to control which fields are counted for drill-down during drill sideways, and optimized drill sideways iterating
- RegexpQuery's detection of adversarial (ReDoS) regular expressions is improved, catching exotic cases that it missed before, and throwing TooComplexToDetermizeException
- Speedup for computing the leading prefix and trailing suffix from an Automaton, and for managing powersets during determinize
- Speedups for stored fields retrieval with the default codec (BEST_SPEED) uses less RAM when buffering documents, especially in the case of many unique fields
- forceMerge will now merge any number of segments at once, making it much faster in many cases
- Compression improvements for docvalues storage

... plus a number of exciting bug fixes!

Further details of changes are available in the change log available at: http://lucene.apache.org/core/8_10/changes/Changes.html

Please report any feedback to the mailing lists (http://lucene.apache.org/core/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 applies to Maven access.