

# ReleaseNote34

MMM???? 2011, Apache Lucene™ 3.4.0 available  
The Lucene PMC is pleased to announce the release of Apache Lucene 3.4.0.

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:  
<http://www.apache.org/dyn/closer.cgi/lucene/java> (see note below).

If you are already using Apache Lucene 3.1, 3.2 or 3.3, we strongly recommend you upgrade to 3.4.0 because of the index corruption bug on OS or computer crash or power loss (LUCENE-3418), now fixed in 3.4.0.

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

## Lucene 3.4.0 Release Highlights:

- \* Fixed a major bug (LUCENE-3418) whereby a Lucene index could easily become corrupted if the OS or computer crashed or lost power.
- \* Added a new faceting module (contrib/facet) for computing facet counts (both hierarchical and non-hierarchical) at search time (LUCENE-3079).
- \* Added a new join module (contrib/join), enabling indexing and searching of nested (parent/child) documents using BlockJoinQuery/Collector (LUCENE-3171)
- \* It is now possible to index documents with term frequencies included but without positions (LUCENE-2048); previously omitTermFreqAndPositions always omitted both.
- \* The modular QueryParser (contrib/queryparser) can now create NumericRangeQuery.
- \* Added SynonymFilter, in contrib/analyzers, to apply multi-word synonyms during indexing or querying, including parsers to read the wordnet and solr synonym formats (LUCENE-3233).
- \* You can now control how documents that don't have a value on the sort field should sort (LUCENE-3390), using SortField.setMissingValue.
- \* Fixed a case where term vectors could be silently deleted from the index after addIndexes (LUCENE-3402).

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.