ReleaseNote35

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MMM???? 2011, Apache Lucene, 3.5.0 available
The Lucene PMC is pleased to announce the release of Apache Lucene 3.5.0.

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).

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

Lucene 3.5.0 Release Highlights:

 * Added a very substantial (3-5X) RAM reduction required to hold the
   terms index on opening an IndexReader. (LUCENE-2205)

 * Added IndexSearcher.searchAfter which returns results after a
   specified ScoreDoc (e.g. last document on the previous page) to
   support deep paging use cases. (LUCENE-2215)

 * Added SearcherManager to manage sharing and reopening IndexSearchers
   across multiple search threads. Underlying IndexReader instances are
   safely closed if not referenced anymore. (LUCENE-3445, LUCENE-3558)

 * Added SearcherLifetimeManager which safely provides a consistent
   view of the index across multiple requests (e.g. paging/drilldown).
   (LUCENE-3558, LUCENE-3486)

 * Renamed IndexWriter.optimize to forceMerge to discourage use of
   this method since it is horribly costly and rarely justified
   anymore. (LUCENE-3454)

 * Added NGramPhraseQuery that speeds up phrase queries 30-50%
   when n-gram analysis is used. (LUCENE-3426)

 * Added a new reopen API (IndexReader.openIfChanged) that
   returns null instead of the old reader if there are no changes
   in the index. (LUCENE-3464)

 * Improvements to vector highlighting: support for more queries
   such as wildcards and boundary analysis for generated snippets
   (LUCENE-1824, LUCENE-1889)

 * IndexSearcher and IndexReader now perform additional checks to
   throw AlreadyClosedExceptions if searches are performed on a
   closed IndexReader. Performing searches on already closed reader
   can cause JVM crashes when invalid memory mapped files are
   referenced.

 * Several bugfixes, including a bug where closing an NRT reader
   after the writer was closed was incorrectly invoking the
   DeletionPolicy. See CHANGES.txt entries for full details.

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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