Lucene.Net 3.0.3

Preliminary Release Notes (Sept 15, 2012):

Bug

- [LUCENENET-54](#) - ArgumentOurOfRangeException caused by SF.Snowball.Ext.DanishStemmer
- [LUCENENET-420](#) - String.StartsWith has culture in it.
- [LUCENENET-423](#) - QueryParser differences between Java and .NET when parsing range queries involving dates
- [LUCENENET-445](#) - Lucene.Net.Index.TestIndexWriter.TestFutureCommit() Fails
- [LUCENENET-464](#) - The Lucene.Net.FastVectorHighligher.dll of the latest release 2.9.4 breaks any ASP.NET application
- [LUCENENET-472](#) - Operator == on Parameter does not check for null arguments
- [LUCENENET-473](#) - Fix linefeeds in more than 600 files
- [LUCENENET-474](#) - Missing License Headers in trunk after 3.0.3 merge
- [LUCENENET-475](#) - DanishStemmer doesn't work.
- [LUCENENET-476](#) - ScoreDocs in TopDocs is ambiguos when using Visual Basic .Net
- [LUCENENET-477](#) - NullReferenceException in ThreadLocal when Lucene.Net compiled for .Net 2.0
- [LUCENENET-478](#) - Parts of QueryParser are outdated or weren't previously ported correctly
- [LUCENENET-479](#) - QueryParser.SetEnablePositionIncrements(false) doesn't work
- [LUCENENET-483](#) - Spatial Search skipping records when one location is close to origin, another one is away and radius is wider
- [LUCENENET-484](#) - Some possibly major tests intermittently fail
- [LUCENENET-485](#) - IndexOutOfRangeException in FrenchStemmer
- [LUCENENET-490](#) - QueryParser is culture-sensitive
- [LUCENENET-493](#) - Make lucene.net culture insensitive (like the java version)
- [LUCENENET-494](#) - Port error in FieldCacheRangeFilter
- [LUCENENET-495](#) - Use of DateTime.Now causes huge amount of System.Globalization.DaylightTime object allocations
- [LUCENENET-500](#) - Lucene fails to run in medium trust ASP.NET Application

Improvement

- [LUCENENET-179](#) - SnowballFilter speed improvment
- [LUCENENET-407](#) - Signing the assembly
- [LUCENENET-408](#) - Mark assembly as CLS compliant; make AlreadyClosedException serializable
- [LUCENENET-466](#) - optimisation for the GermanStemmer.vb?
- [LUCENENET-504](#) - FastVectorHighlighter - support for prefix query
- [LUCENENET-506](#) - FastVectorHighlighter should use Query.ExtractTerms as fallback

New Feature

- [LUCENENET-463](#) - Would like to be able to use a SimpleSpanFragmenter for extrcting whole sentances
- [LUCENENET-481](#) - Port Contrib.MemoryIndex

Task

- [LUCENENET-446](#) - Make Lucene.Net CLS Compliant
- [LUCENENET-471](#) - Remove Package.html and Overview.html artifacts
- [LUCENENET-480](#) - Investigate what needs to happen to make both .NET 3.5 and 4.0 builds possible
- [LUCENENET-487](#) - Remove Obsolete Members, Fields that are marked as obsolete and to be removed in 3.0
- [LUCENENET-503](#) - Update binary names

Sub-task

- [LUCENENET-468](#) - Implement the Dispose pattern properly in classes with Close
- [LUCENENET-470](#) - Change Getxxx() and Setxxx() methods to .NET Properties

Planning

Lucene.Net 3.0.3 ToDo Items:

3.0.3 Java Tag

Ensure that the following are applied, 3.0.3 was branched before these were applied to 2.9.4

- ~~LUCENENET-431~~
- ~~LUCENENET-433~~
- LUCENENET-453
- ~~LUCENENET-455~~

Lucene.Net

[Lucene Issues in Jira](#)

- [LUCENE-2277](#) QueryNodeImpl throws ConcurrentModificationException on add(List<QueryNode>)
- [LUCENE-2782](#) Possible rare thread hazard in IW.commit

- [LUCENE-2513](#) IndexReader overwrites future commits when you open it on a past commit
- [LUCENE-2593](#) disk full can cause index corruption in certain cases
- [LUCENE-2773](#) Don't create compound file for large segments by default
- [LUCENE-2730](#) intermittent deadlock in TestAtomicUpdate,TestIndexWriterExceptions
- [LUCENE-2620](#) Queries with too many asterisks causing 100% CPU usage
- [LUCENE-2767](#) Missing sync in IndexWriter.addIndexes(IndexReader[])
- [LUCENE-2284](#) MatchAllDocsQueryNode toString() creates invalid XML-Tag
- [LUCENE-2533](#) FileSwitchDirectory should uniqueify the String file names returned by listAll
- [LUCENE-2658](#) TestIndexWriterExceptions random failure: AIOOBE in ByteBlockPool.allocSlice
- [LUCENE-2744](#) CheckIndex overstates how many fields have norms enabled
- [LUCENE-2759](#) We should never open an IndexInput when an IndexOutput is still open
- [LUCENE-2776](#) indexwriter creates unwanted termvector info
- [LUCENE-2536](#) Rollback doesn't preserve integrity of original index
- [LUCENE-2549](#) TimeLimitingCollector's TimeExceededException contains useless relative docid
- [LUCENE-2627](#) MMapDirectory chunking is buggy
- [LUCENE-2689](#) remove NativeFSLockFactory's attempt to acquire a test lock
- [LUCENE-2688](#) NativeFSLockFactory throws an exception on Android 2.2 platform as java.lang.management package is not available on android.
- [LUCENE-2732](#) Fix charset problems in XML loading in HyphenationCompoundWordTokenFilter (also Solr's loader from schema)
- [LUCENE-2055](#) Fix buggy stemmers and Remove duplicate analysis functionality
- [LUCENE-2653](#) ThaiAnalyzer assumes things about your jre
- [LUCENE-2239](#) Revise NIOFSDirectory and its usage due to NIO limitations on Thread.interrupt
- [LUCENE-2384](#) LUCENE-2074Reset zzBuffer in StandardTokenizerImpl* when lexer is reset.
- [LUCENE-2541](#) NumericRangeQuery errors with endpoints near long min and max values
- [LUCENE-2618](#) Intermittent failure in TestThreadedOptimize
- [LUCENE-2634](#) IndexReader.isCurrent() lies if documents were only removed by latest commit
- [LUCENE-2762](#) Don't leak deleted open file handles with pooled readers
- [LUCENE-2216](#) OpenBitSet#hashCode() may return false for identical sets.
- [LUCENE-2142](#) FieldCache.getStringIndex should not throw exception if term count exceeds doc count
- [LUCENE-2556](#) (Char)TermAttribute cloning memory consumption
- [LUCENE-2365](#) Finding Newest Segment In Empty Index
- [LUCENE-2249](#) ParallelMultiSearcher should shut down thread pool on close
- [LUCENE-2235](#) implement PerFieldAnalyzerWrapper.getOffsetGap
- [LUCENE-2098](#) make BaseCharFilter more efficient in performance
- [LUCENE-2278](#) FastVectorHighlighter: highlighted term is out of alignment in multi-valued NOT_ANALYZED field
- [LUCENE-2328](#) IndexWriter.synced field accumulates data leading to a Memory Leak
- [LUCENE-2398](#) Improve tests to work easier from IDEs
- [LUCENE-2616](#) FastVectorHighlighter: out of alignment when the first value is empty in multiValued field
- [LUCENE-2524](#) when many query clases are specified in boolean or dismax query, highlighted terms are always "yellow" if multi-colored feature is used

Lucene.Net.Contrib

Needs to be Ported

- make sure DistributedSearch builds and tests pass
- Port Similarity
- Port SpellChecker
- Port WordNet
- (optional) Port other contrib packages from java (some can't be easily done)

Ported

- Contrib.Analyzers
- Contrib.FastVectorHighlighter
- Contrib.Queries
- Contrib.Regex (there's an issue with one of the tests, it's been marked as ignored, has to do with a differences in the regex engines)
- Contrib.Snowball
- Contrib.Core/Contrib.SimpleFacetedSearch builds but looks to be .NET specific