

# Welcome to Lucene!

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## 1. What Is Lucene?

The Apache Lucene project develops open-source search software, including:

- [Lucene Java](#), our flagship sub-project, provides Java-based indexing and search technology.
- [Nutch](#) builds on [Lucene Java](#) to provide web search application software.
- [Lucy](#) is a loose C port of [Lucene Java](#), with Perl and Ruby bindings.
- [Solr](#) is a high performance search server built using [Lucene Java](#), with XML/HTTP and JSON/Python/Ruby APIs, hit highlighting, faceted search, caching, replication, and a web admin interface.
- [Lucene.Net](#) is a source code, class-per-class, API-per-API and algorithmic port of the [Lucene Java](#) search engine to the C# and .NET platform utilizing Microsoft .NET Framework. Lucene.Net is currently under incubation.
- [Tika](#) is a toolkit for detecting and extracting metadata and structured text content from various documents using existing parser libraries.
- [Mahout](#) is new Lucene subproject with the goal of creating a suite of scalable machine learning libraries.

## 2. News

### 2.1. 09 February 2009 - Lucene at ApacheCon Europe 2009 in Amsterdam



Lucene will be extremely well represented at [ApacheCon EU 2009](#) in Amsterdam, Netherlands this March 23-27, 2009:

- [Lucene Boot Camp](#) - A two day training session, March 23 & 24th
- [Solr Boot Camp](#) - A one day training session, March 24th
- [Introducing Apache Mahout](#) - Grant Ingersoll. March 25th @ 10:30
- [Lucene/Solr Case Studies](#) - Erik Hatcher. March 25th @ 11:30
- [Advanced Indexing Techniques with Apache Lucene](#) - Michael Busch. March 25th @

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- [Apache Solr - A Case Study](#) - Uri Boness. March 26th @ 17:30
- [Best of breed - httpd, forrest, solr and droids](#) - Thorsten Scherler. March 27th @ 17:30
- [Apache Droids - an intelligent standalone robot framework](#) - Thorsten Scherler. March 26th @ 15:00

## 2.2. 19 January 2009 - PyLucene joins the Lucene TLP

[PyLucene](#), the Python based port of Lucene is now an official Lucene subproject.

## 2.3. 8 October 2008 - Lucene Java 2.4.0 available

Lucene 2.4.0 is available for public download. This version contains many enhancements and bug fixes. See [CHANGES](#) for details.

Binary and source distributions are available [here](#).

Maven artifacts are available [here](#).

## 2.4. 15 September 2008 - Solr 1.3.0 Available

Solr 1.3.0 is available for public download. This version contains many enhancements and bug fixes, including distributed search capabilities, Lucene 2.3.x performance improvements and many others.

See the [release notes](#) for more details. Download is available from a [Apache Mirror](#).

## 2.5. 22 July 2008 - Lucene at ApacheCon New Orleans



Lucene will be extremely well represented at [ApacheCon US 2008](#) in New Orleans this November 3-7, 2008:

- [Lucene Boot Camp](#) - A two day training session, November 3rd & 4th

- [Solr Boot Camp](#) - A one day training session, November 4th
- An [entire day of Lucene sessions](#) on November 5th

## 2.6. 06 May 2008 - Lucene Java 2.3.2 available

Lucene 2.3.2 contains fixes for bugs in 2.3.1. See [CHANGES.txt](#) for details.

Binary and source distributions are available [here](#).

Maven artifacts are available [here](#).

## 2.7. 23 February 2008 - Lucene Java 2.3.1 available

Lucene 2.3.1 contains fixes for serious bugs in 2.3.0. See [CHANGES.txt](#) for details.

Please upgrade to 2.3.1 if you are currently using 2.3.0 to prevent index corruptions.

Binary and source distributions are available [here](#).

Maven artifacts are available [here](#).

## 2.8. 24 January 2008 - Lucene Java 2.3.0 available

Lucene 2.3.0 has many new features, performance improvements, bug fixes, etc. See [CHANGES.txt](#) for details.

Binary and source distributions are available [here](#).

Maven artifacts are available [here](#).

## 2.9. 23 January 2008 - Lucene at ApacheCon Europe

Lucene projects will be well represented at [ApacheCon Europe](#) in Amsterdam this year. Please join us at one or more of the following sessions:

- April 7: [Lucene Boot Camp](#) training by Grant Ingersoll.
- April 8: [Solr Boot Camp](#) training by Erik Hatcher.
- April 8: [Mastering and extending Apache Nutch](#) training by Sami Siren.
- April 10: [Lucene/Solr Case Studies](#) by Erik Hatcher
- April 11: [Apache Lucene Performance](#) by Grant Ingersoll

## 2.10. 22 January 2008 - Lucene PMC Approves Mahout Machine Learning Project

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The Lucene PMC is pleased to announce the creation of the Mahout sub project. Mahout's goal is to create scalable, parallelizable machine learning libraries for use in a variety of applications.

### **2.11. 23 January 2008 - Hadoop promoted to Top Level Project**

The Lucene PMC and the ASF Board have voted to promote Hadoop to be a top level project. Hadoop can now be found at <http://hadoop.apache.org/>

### **2.12. 26 August 2007 - Lucene at ApacheCon Atlanta**

Lucene will once again be well represented at ApacheCon USA in Atlanta this November 12-16, 2007.

The following talks and trainings are scheduled for this year's conference:

- November 12: [Lucene Boot Camp](#) by Grant Ingersoll. An all-day training focusing on getting started with Lucene.
- November 16, 9:00 am: [Apache Solr out of the Box](#) by Chris Hostetter. Introduction to Solr.
- November 16, 10:00 am: [Building a Vertical Search Site using Apache Software](#) by Ken Krugler. Will cover many Lucene-based projects.
- November 16, 3:00 pm: [Apache Lucene Performance](#) by Grant Ingersoll. Tips and techniques for improving Lucene performance.
- November 16, 4:00 pm: [Advanced Indexing Techniques with Apache Lucene](#) by Michael Busch. Information on payloads and advanced indexing techniques.

### **2.13. 19 June 2007 - Lucene Java 2.2 available**

This release has many improvements since release 2.1. New major features:

- ["Point-in-time" searching over NFS](#)
- [Payloads](#)
- [Function queries](#)
- [New API for pre-analyzed fields](#)

In addition Lucene 2.2 has many performance improvements, bug fixes, etc. See [CHANGES.txt](#) for details.

Lucene 2.2 includes index format changes that are not readable by older versions of Lucene. Lucene 2.2 can both read and update older Lucene indexes. Adding to an index with an older format will cause it to be converted to the newer format.

Binary and source distributions are available [here](#).

### **2.14. 06 June 2007: Solr 1.2 released**

This is the first release since Solr graduated from the Incubator, bringing many new features, including CSV/delimited-text data loading, time based autocommit, faster faceting, negative filters, a spell-check handler, sounds-like word filters, regex text filters, and more flexible plugins.

See the [release notes](#) for more details.

### **2.15. 18 February 2007 - Lucene at ApacheCon Europe**

Lucene projects will be well represented at [ApacheCon Europe](#) in Amsterdam this year. Please join us at one or more of the following sessions:

- May 1: [Lucene Boot Camp](#) by Grant Ingersoll.
- May 2:
  - [Full-Text Search with Lucene](#) at 10:30 am by Yonik Seeley
  - [Advanced Lucene](#) at 11:30 am by Grant Ingersoll
- May 3:
  - [Beyond full-text searches with Solr and Lucene](#) at 2 pm by Bertrand Delacrétaiz
  - [Introduction to Hadoop](#) at 3 pm by Owen O'Malley

### **2.16. 17 January 2007: Solr graduates from Incubator**

Solr has graduated from the Apache Incubator, and is now a sub-project of Lucene.

### **2.17. 22 December 2006: Solr 1.1 available**

This is a major release with many new features and performance optimizations including highlighting, faceted search, and JSON/Python/Ruby response formats. The release is available [here](#).

### **2.18. 25 September 2006: Nutch 0.8.1 available**

This is a bug fix release fixing several severe bugs discovered in 0.8. The release is available [here](#). See the [changelog](#) for a full list of changes.