



# Lyra

## About the Application

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### About

**Lyra** is a front-end to the **Music Player Daemon (MPD)** written in the **Java** language for platform independence. Based loosely on the **Creative Media Source** software, this application has the aim to support large collections of albums and artists.

## About the Application

Another interesting feature about **Lyra** is the implementation of a local cache of the music library. This can lead to a decrease in load time and permits the application to implement features that the host daemon does not inherently support such as ratings.

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## Third Party Modules

Lyra requires third party elements in order to function excluding the **Music Player Daemon** itself. The following is a listing of elements used in the application itself.

### Xerial SQLite JDBC

<b>Description</b>	SQLiteJDBC library, requires no configuration since all native libraries for Windows, Mac OS X, Linux and pure-java SQLite, which works in any OS enviroment, are assembled into a single JAR (Java Archive) file.
<b>Site</b>	<a href="http://www.xerial.org/trac/Xerial/wiki/SQLiteJDBC">http://www.xerial.org/trac/Xerial/wiki/SQLiteJDBC</a>
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### SQLite

<b>Description</b>	SQLite is a software library that implements a self-contained, serverless, zero-configuration, transactional SQL database engine. SQLite is the most widely deployed SQL database engine in the world.
<b>Site</b>	<a href="http://www.sqlite.org/">http://www.sqlite.org/</a>
<b>License</b>	Public Domain
<b>Copyright</b>	Nil

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## ICEpdf

<b>Description</b>	ICEpdf is an open source Java PDF library ideal for displaying and printing PDF documents within any Java application. The ICEpdf API is 100% Java-based, lightweight, fast, efficient and very easy to use. ICEpdf is 100% Java-based. ICEpdf is capable of rendering PDFs up to version 1.6 (Acrobat 7.0).
<b>Site</b>	<a href="http://www.icepdf.org/">http://www.icepdf.org/</a>
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<b>Copyright</b>	Copyright (C) 2004-2010 ICEsoft Technologies

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## About the Application

### Apache Commons

**Description** Lang provides a host of helper utilities for the java.lang API, notably String manipulation methods, basic numerical methods, object reflection, concurrency, creation and serialization and System properties. Additionally it contains basic enhancements to java.util.Date and a series of utilities dedicated to help with building methods, such as hashCode, toString and equals.

**Site** <http://commons.apache.org/lang/>

**License** Apache License

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## Icons

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## Runtime Software

Runtime software plays a part in the deployment and execution of the application itself. With the exception of Java itself, the components listed below are optional and can be bypassed entirely if required.

<b>Launch4j</b>	<b>Description</b>	Launch4j is a cross-platform tool for wrapping Java applications distributed as jars in lightweight Windows native executables. The executable can be configured to search for a certain JRE version or use a bundled one, and it's possible to set runtime options, like the initial/max heap size.
	<b>Site</b>	<a href="http://launch4j.sourceforge.net/">http://launch4j.sourceforge.net/</a>
	<b>License</b>	Massachusetts Institute of Technology (MIT) License
	<b>Copyright</b>	Copyright (C) 2004, 2008 Grzegorz Kowal

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<b>Java Runtime Engine</b>	<b>Description</b>	Java is general-purpose, concurrent, class-based, and object-oriented, and is specifically designed to have as few implementation dependencies as possible. It is intended to let application developers “write once, run anywhere”.
	<b>Site</b>	<a href="http://www.java.com/">http://www.java.com/</a>
	<b>License</b>	Binary Code License Agreement
	<b>Copyright</b>	Copyright (C) Sun Microsystems, Inc Copyright (C) Oracle Corporation

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<b>NSIS</b>	<b>Description</b>	The Nullsoft Scriptable Install System (NSIS) can create Windows installers that are capable of installing, uninstalling, setting system settings, extracting files, etc. Because NSIS is based on script files, you can create both simple and advanced installers.
	<b>Site</b>	<a href="http://nsis.sourceforge.net/">http://nsis.sourceforge.net/</a>
	<b>License</b>	zlib/libpng license
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