

Oracle® Big Data Appliance

Licensing Information

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Oracle Big Data Appliance Licensing Information, Release 1 (1.0)

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Preface

This document identifies the licences for the software installed on Oracle Big Data Appliance.

Audience

This document is intended for all owners of Oracle Big Data Appliance.

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.

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Related Documents

For more information, see the Big Data documentation library.

Oracle Big Data Appliance Software Licensing

Oracle Big Data Appliance is an engineered system optimized for acquiring, organizing, and analyzing big data. It combines optimized hardware components with new software solutions to deliver a complete big data solution.

This chapter describes the licensing and technical support of software installed on Oracle Big Data Appliance. It contains these topics:

- [Big Data Appliance Software Installation](#)
- [Software Licensing](#)

Big Data Appliance Software Installation

Oracle Big Data Appliance software is installed in two stages:

- [Factory-Installed Image](#)
- [On-Site Software Installation](#)

Factory-Installed Image

The Oracle Linux operating system and various configuration utilities are factory-installed on Oracle Big Data Appliance servers. Your license to use them is included with your purchase of the appliance.

On-Site Software Installation

An Oracle Customer Service Representative downloads all applications software for Oracle Big Data Appliance. Some of this software is included in the Oracle Big Data Appliance licensing agreement, while other software is licensed separately.

You must specify whether to install separately licensed and optional software components when completing the Oracle Big Data Appliance Configuration Utility.

Software Licensing

The software downloaded to Oracle Big Data Appliance is protected by these licenses:

- [Integrated Software](#)
- [Oracle Big Data Connectors](#)
- [Separately Licensed Software](#)

- [Software Modifications](#)

Integrated Software

The following table summarizes the licensing and support of integrated software included with your purchase of Oracle Big Data Appliance.

Software	License	Support
Oracle Linux	Perpetual for life of hardware	Oracle Premier Support for Systems or Oracle Premier Support for Operating Systems
Java HotSpot Virtual Machine	Perpetual for life of hardware	Oracle Premier Support for Systems or Oracle Premier Support for Operating Systems
Cloudera's Distribution including Apache Hadoop	Perpetual for life of hardware	Oracle Premier Support for Systems or Oracle Premier Support for Operating Systems
Cloudera Manager	Perpetual for life of hardware	Oracle Premier Support for Systems or Oracle Premier Support for Operating Systems
MySQL Database Standard Edition	Restricted use ¹	Oracle Premier Support for Systems or Oracle Premier Support for Operating Systems
Oracle NoSQL Database Community Edition	GNU Affero General Public License Version 3 (AGPLv3)	None ¹
Open Source R	Perpetual for life of hardware	Oracle Premier Support for Systems or Oracle Premier Support for Operating Systems

¹ See the *Oracle Software License Agreement ("SLA") and Entitlement for Hardware Systems with Integrated Software Options*

Oracle Big Data Connectors

The system software requires a separate license for Oracle Big Data Connectors:

- Oracle Loader for Hadoop
- Oracle Data Integrator Application Adapter for Hadoop
- Oracle R Connector for Hadoop
- Oracle Direct Connector for Hadoop Distributed File System

Oracle Big Data Connectors must be licensed for all processors of Oracle Big Data Appliance or for all processors of the Hadoop cluster when not licensed on Oracle Big Data Appliance. The individual components are available only as part of the Oracle Big Data Connectors license. They are not licensed individually.

Restricted Use License: Oracle Data Integrator as part of Oracle Big Data Connectors is restricted for use on Oracle Big Data Appliance with Cloudera CDH targets or Oracle NoSQL Database targets residing on Oracle Big Data Appliance. Any usage of Oracle Data Integrator outside of Oracle Big Data Appliance requires a full license for Oracle Data Integrator Enterprise Edition.

Separately Licensed Software

This software requires a separate license and must be installed and configured manually. Support is provided under Oracle Premier Support for Systems or Oracle Premier Support for Operating Systems.

- Oracle NoSQL Database Enterprise Edition

Software Modifications

Modifications to the software installed on Oracle Big Data Appliance can result in a loss of warranty and support.

See the *Oracle Big Data Appliance Owner's Guide* for specific restrictions.

Third-Party Licenses

This chapter contains licensing information about third-party products installed on Oracle Big Data Appliance. It contains the following topics:

- [Offer to Provide Source Code](#)
- [Cloudera Products](#)
- [Java HotSpot Virtual Machine](#)
- [MySQL Database Standard Edition](#)
- [Oracle Integrated Lights Out Manager \(ILOM\)](#)
- [Oracle Linux](#)
- [Oracle NoSQL Database](#)
- [Puppet](#)
- [Open-Source R Distribution](#)
- [ROracle](#)
- [Sun Datacenter InfiniBand Switch 36](#)
- [Sun Network QDR InfiniBand Gateway Switch](#)

Offer to Provide Source Code

For third-party technology that you receive from Oracle in binary form, which is licensed under an open source license that gives you the right to receive the source code for that binary, you may be able to obtain a copy of the applicable source code by visiting:

<http://oss.oracle.com/systems-opensourcecode>

The source code for some software components of Oracle Big Data Appliance is readily available at the locations identified in [Table 2-1](#).

Table 2-1 Location of Source Code

Software	Source Code Location
Cloudera's Distribution including Apache Hadoop	All Oracle Big Data Appliance servers in directory <code>/opt/oss/src/CDH3u2/</code>
Java HotSpot Virtual Machine ¹	All Oracle Big Data Appliance servers in zip file <code>/usr/java/jdk1.6.0_29/src.zip</code>

Table 2–1 (Cont.) Location of Source Code

Software	Source Code Location
MySQL Community Edition	http://downloads.mysql.com/archives.php?p=mysql-5.5&v=5.5.18
Open Source R	All Oracle Big Data Appliance servers in directory <code>/opt/oss/src/R/</code>
Oracle Hardware Installation Assistant	http://oss.oracle.com/systems-opensourcecode/ Expand Sun x86 Servers, then Sun Fire X4270 M2 Server.
Oracle Integrated Lights Out Manager	http://oss.oracle.com/systems-opensourcecode/ Expand Sun x86 Servers, then Sun Fire X4270 M2 Server.
Oracle Linux	http://oss.oracle.com/ol5/
Puppet	All Oracle Big Data Appliance servers in directory <code>/opt/oss/src/Puppet/</code>
Sun Datacenter InfiniBand Switch 36	http://oss.oracle.com/systems-opensourcecode/ Expand Networking, then Sun Datacenter InfiniBand Switch 36.
Sun Network QDR InfiniBand Gateway Switch	http://oss.oracle.com/systems-opensourcecode/ Expand Networking, then Sun Datacenter InfiniBand GW Switch.

¹ MySQL Standard Edition is installed on Oracle Big Data Appliance. It is proprietary software protected by intellectual property laws. This link is to the source code for MySQL Community Edition, which is open source.

If the source code for the technology was not provided with the binary or otherwise made available to you, you can also receive a copy of the source code on physical media by submitting a written request to:

Oracle America, Inc.
Attn: Associate General Counsel
Development and Engineering Legal
500 Oracle Parkway, 10th Floor
Redwood Shores, CA 94065

or by sending an email to Oracle using the following link:

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- c3p0 0.9.1 LGPL v2.1
- Hibernate 3.6.2.Final LGPL v2.1
- JavaMelody 1.30.0 LGPLv3
- JRobin 1.5.9 LGPL

You should have received the source code for the above programs. If not, you may obtain a copy as set forth in the ["Offer to Provide Source Code"](#) on page 2-1.

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Version 2.0, January 2004

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29 June 2007

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Apache Http Components 4.1.1

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Apache Ivy ivy-2.1.0.jar

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The snowball stemmers in contrib/analyzers/common/src/java/net/sf/snowball were developed by Martin Porter and Richard Boulton.

The snowball stopword lists in `contrib/analyzers/common/src/resources/org/apache/lucene/analysis/snowball` were developed by Martin Porter and Richard Boulton.

The full snowball package is available from <http://snowball.tartarus.org/>

The Arabic, Persian, Romanian, Bulgarian, and Hindi analyzers (`contrib/analyzers`) come with a default stopword list that is BSD-licensed created by Jacques Savoy. These files reside in:

```
contrib/analyzers/common/src/resources/org/apache/lucene/analysis/ar/stopwords.txt
'
contrib/analyzers/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt
'
contrib/analyzers/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt
'
contrib/analyzers/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt
'
contrib/analyzers/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt
```

See <http://members.unine.ch/jacques.savoy/clef/index.html>.

The German, Spanish, Finnish, French, Hungarian, Italian, Portuguese, Russian and Swedish light stemmers (`common`) are based on BSD-licensed reference implementations created by Jacques Savoy and Ljiljana Dolamic. These files reside in:

```
contrib/analyzers/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer
.java
contrib/analyzers/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemm
er.java
contrib/analyzers/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemme
r.java
contrib/analyzers/common/src/java/org/apache/lucene/analysis/fi/FinnishLightStemme
r.java
contrib/analyzers/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer
.java
contrib/analyzers/common/src/java/org/apache/lucene/analysis/fr/FrenchMinimalStemm
er.java
contrib/analyzers/common/src/java/org/apache/lucene/analysis/hu/HungarianLightStem
mer.java
contrib/analyzers/common/src/java/org/apache/lucene/analysis/it/ItalianLightStemme
r.java
contrib/analyzers/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightSte
mmer.java
contrib/analyzers/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemme
r.java
contrib/analyzers/common/src/java/org/apache/lucene/analysis/sv/SwedishLightStemme
r.java
```

The Stempel analyzer (`contrib/analyzers`) includes BSD-licensed software developed by the Egothor project <http://egothor.sf.net/>, created by Leo Galambos, Martin Kvapil, and Edmond Nolan.

The Polish analyzer (`contrib/analyzers`) comes with a default stopword list that is BSD-licensed created by the Carrot2 project. The file resides in

```
contrib/analyzers/stempel/src/resources/org/apache/lucene/analysis/pl/stopwords.tx
t.
```

See <http://project.carrot2.org/license.html>.

Includes `lib/servlet-api-2.4.jar` from Apache Tomcat

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Apache POI 3.7

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Office Open XML schemas (ooxml-schemas-1.0.jar)

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1. <http://www.ecma-international.org/publications/standards/Ecma-376.htm>
2. <http://www.ecma-international.org/memento/EcmaBylaws.htm>
3. <http://www.microsoft.com/interop/osp/>
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 compiler/cpp/src/generate/t_cocoa_generator.cc
 compiler/cpp/src/generate/t_cpp_generator.cc
 compiler/cpp/src/generate/t_csharp_generator.cc
 compiler/cpp/src/generate/t_erl_generator.cc
 compiler/cpp/src/generate/t_hs_generator.cc
 compiler/cpp/src/generate/t_java_generator.cc
 compiler/cpp/src/generate/t_ocaml_generator.cc
 compiler/cpp/src/generate/t_perl_generator.cc
 compiler/cpp/src/generate/t_php_generator.cc
 compiler/cpp/src/generate/t_py_generator.cc
 compiler/cpp/src/generate/t_rb_generator.cc
 compiler/cpp/src/generate/t_st_generator.cc
 compiler/cpp/src/generate/t_xsd_generator.cc
 compiler/cpp/src/main.cc
 compiler/cpp/src/parse/t_field.h
 compiler/cpp/src/parse/t_program.h
 compiler/cpp/src/platform.h
 compiler/cpp/src/thrift.ll
 compiler/cpp/src/thrift.yy
 lib/csharp/src/Protocol/TBinaryProtocol.cs
 lib/csharp/src/Protocol/TField.cs
 lib/csharp/src/Protocol/TList.cs
 lib/csharp/src/Protocol/TMap.cs
 lib/csharp/src/Protocol/TMessage.cs
 lib/csharp/src/Protocol/TMessageType.cs
 lib/csharp/src/Protocol/TProtocol.cs
 lib/csharp/src/Protocol/TProtocolException.cs
 lib/csharp/src/Protocol/TProtocolFactory.cs
 lib/csharp/src/Protocol/TProtocolUtil.cs
 lib/csharp/src/Protocol/TSet.cs
 lib/csharp/src/Protocol/TStruct.cs
 lib/csharp/src/Protocol/TType.cs
 lib/csharp/src/Server/TServer.cs
 lib/csharp/src/Server/TSimpleServer.cs
 lib/csharp/src/Server/TThreadPoolServer.cs
 lib/csharp/src/TApplicationException.cs
 lib/csharp/src/Thrift.csproj

```
lib/csharp/src/Thrift.sln
lib/csharp/src/TProcessor.cs
lib/csharp/src/Transport/TServerSocket.cs
lib/csharp/src/Transport/TServerTransport.cs
lib/csharp/src/Transport/TSocket.cs
lib/csharp/src/Transport/TStreamTransport.cs
lib/csharp/src/Transport/TTransport.cs
lib/csharp/src/Transport/TTransportException.cs
lib/csharp/src/Transport/TTransportFactory.cs
lib/csharp/ThriftMSBuildTask/Properties/AssemblyInfo.cs
lib/csharp/ThriftMSBuildTask/ThriftBuild.cs
lib/csharp/ThriftMSBuildTask/ThriftMSBuildTask.csproj
lib/rb/lib/thrift.rb
lib/st/README
lib/st/thrift.st
test/OptionalRequiredTest.cpp
test/OptionalRequiredTest.thrift
test/ThriftTest.thrift
```

For the `aclocal/ax_boost_base.m4` and `contrib/fb303/aclocal/ax_boost_base.m4` components:

```
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```

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L. Peter Deutsch
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asm asm-3.1.jar

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AspectJ aspectjtools-1.6.5.jar

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Async-http-client1.6.5

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<http://www.brics.dk/automaton/>

Anders Moeller
amoeller@cs.au.dk

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cglib 2.2

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Christoph Schwering's IRC library irclib.jar

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classworlds 1.1

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concurrent libraries 1.3.4

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ConfigObj 4.6.0

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ctypes 1.0.2

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datanucleus 2.0.3

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Django Extensions 0.5

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Django_cpserver 19739bea057d824d9cd6c10c4caec622e8e1c0b9

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Django_debug_toolbar 0.7.0

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Django_nose

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dnsjava 2.0.8

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DOM4J library (dom4j-1.6.1.jar)

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EhCache 2.4.3

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ASM: a very small and fast Java bytecode manipulation framework

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jdbcdslog-exp 1.0.6

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JLine console input library jline-0.9.94

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jopt-simple 3.2

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JUnit test library (junit-3.8.1.jar)

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lockfile 0.8

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lxml 2.2.2

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processing 0.52

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Streaming API for XML (JSR-173) Specification Reference Implementation

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Postgresql 9.0-801.jdbc4

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pyxelerator 0.6.4.1

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pysqlite 2.55

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Python-pam 0.1.3

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Python-paste 1.7.2

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PyYAML 3.09

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simplejson 2.0.9

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Snappy 1.0.3

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South 0.7

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sshj 0.5.0

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Usertype for Hibernate Parent1.8

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windmill 1.3

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xmlenc 0.52

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xpp3 1.1.4c

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ZoneTransfer.java

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zope.interface 3.5.2

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Douglas Bates
John Chambers
Peter Dalgaard
Seth Falcon
Robert Gentleman
Kurt Hornik
Stefano Iacus
Ross Ihaka
Friedrich Leisch
Uwe Ligges
Thomas Lumley
Martin Maechler
Duncan Murdoch
Paul Murrell
Martyn Plummer
Brian Ripley
Deepayan Sarkar

Duncan Temple Lang
Luke Tierney
Simon Urbanek
plus Heiner Schwarte up to October 1999 and Guido Masarotto up to June 2003.

For more information go to (<http://www.r-project.org>).

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<signature of Ty Coon>, 1 April 1989
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Ty Coon, President of Vice
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unzip.h -- IO for uncompress .zip files using zlib

Version 1.01e, February 12th, 2005

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Multi volume ZipFile (span) are not supported.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the

Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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