

**Oracle® Retail**  
Licensing Guide  
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## Value-Added Reseller (VAR) Language

### Oracle Retail VAR Applications

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# Send Us Your Comments

Oracle Retail Licensing Guide, Release 14.1.1

Oracle welcomes customers' comments and suggestions on the quality and usefulness of this document.

Your feedback is important, and helps us to best meet your needs as a user of our products. For example:

- Are the implementation steps correct and complete?
- Did you understand the context of the procedures?
- Did you find any errors in the information?
- Does the structure of the information help you with your tasks?
- Do you need different information or graphics? If so, where, and in what format?
- Are the examples correct? Do you need more examples?

If you find any errors or have any other suggestions for improvement, then please tell us your name, the name of the company who has licensed our products, the title and part number of the documentation and the chapter, section, and page number (if available).

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**Note:** Before sending us your comments, you might like to check that you have the latest version of the document and if any concerns are already addressed. To do this, access the Online Documentation available on the Oracle Technology Network Web site. It contains the most current Documentation Library plus all documents revised or released recently.

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Send your comments to us using the electronic mail address: [retail-doc\\_us@oracle.com](mailto:retail-doc_us@oracle.com)  
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# Preface

This document provides licensing information for all third-party open-source applications

## Audience

This document is intended for all purchasers of Oracle Retail software.

## Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL:  
<https://support.oracle.com>

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received
- Screen shots of each step you take

## Review Patch Documentation

When you install the application for the first time, you install either a base release (for example, 14.1) or a later patch release (for example, 14.1.1). If you are installing the base release or additional patch releases, read the documentation for all releases that have occurred since the base release before you begin installation. Documentation for patch releases can contain critical information related to the base release, as well as information about code changes since the base release.

## Improved Process for Oracle Retail Documentation Corrections

To more quickly address critical corrections to Oracle Retail documentation content, Oracle Retail documentation may be republished whenever a critical correction is needed. For critical corrections, the republication of an Oracle Retail document may at times **not** be attached to a numbered software release; instead, the Oracle Retail document will simply be replaced on the Oracle Technology Network Web site, or, in the case of Data Models, to the applicable My Oracle Support Documentation container where they reside.

This process will prevent delays in making critical corrections available to customers. For the customer, it means that before you begin installation, you must verify that you have the most recent version of the Oracle Retail documentation set. Oracle Retail documentation is available on the Oracle Technology Network at the following URL:

<http://www.oracle.com/technetwork/documentation/oracle-retail-100266.html>

An updated version of the applicable Oracle Retail document is indicated by Oracle part number, as well as print date (month and year). An updated version uses the same part number, with a higher-numbered suffix. For example, part number E123456-02 is an updated version of a document with part number E123456-01.

If a more recent version of a document is available, that version supersedes all previous versions.

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## Oracle Retail Documentation on the Oracle Technology Network

Documentation is packaged with each Oracle Retail product release. Oracle Retail product documentation is also available on the following Web site:

<http://www.oracle.com/technetwork/documentation/oracle-retail-100266.html>

(Data Model documents are not available through Oracle Technology Network. These documents are packaged with released code, or you can obtain them through My Oracle Support.)

Documentation should be available on this Web site within a month after a product release.

## Conventions

**Navigate:** This is a navigate statement. It tells you how to get to the start of the procedure and ends with a screen shot of the starting point and the statement “the Window Name window opens.”

This is a code sample

It is used to display examples of code

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# Introduction

This document provides licensing information for third-party open-source applications that may be shipped with Oracle Retail products.

This document does not address infrastructure technology requirements.

See the applicable Oracle Retail product Installation Guide for information about the following:

- Hardware and software requirements
- Oracle Retail applications software compatibility

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**Note:** Due to frequency in the use of JGoodies, licensing for its associated products appears in the Appendix.

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The table below explains the solution units and the products described in this document.

Solution or Product	3 <sup>rd</sup> Party Product Name	Version
Retail Analytics	<a href="#">Antinstaller</a>	0.8.0
Retail Analytics	<a href="#">Commons CLI</a>	1.2
Retail Analytics	<a href="#">Groovy</a>	2.3.6
Retail Analytics	<a href="#">Incanto</a>	0.2.4
Retail Analytics	<a href="#">Log4j</a>	1.2.17
Retail Analytics	<a href="#">JSCH</a>	0.1.45
Retail Analytics	<a href="#">XMLTask</a>	1.16
Integration Suite	<a href="#">AntInstaller</a>	0.8.0
Integration Suite	<a href="#">Castor</a>	1.3.2
Integration Suite	<a href="#">Commons BeanUtils</a>	1.8.3
Integration Suite	<a href="#">Commons CLI</a>	1.2
Integration Suite	<a href="#">Commons Collections</a>	3.2
Integration Suite	<a href="#">Commons Discovery</a>	0.5
Integration Suite	<a href="#">Commons IO</a>	2.4
Integration Suite	<a href="#">Commons Lang</a>	2.6
Integration Suite	<a href="#">Commons Logging</a>	1.1.1
Integration Suite	<a href="#">Commons Validator</a>	1.4.0
Integration Suite	<a href="#">Eclipse Persistence</a>	2.5
Integration Suite	<a href="#">Groovy</a>	2.1.2
Integration Suite	<a href="#">Javassist</a>	3.18.1
Integration Suite	<a href="#">Jdom</a>	1.0

<b>Solution or Product</b>	<b>3<sup>rd</sup> Party Product Name</b>	<b>Version</b>
Integration Suite	<a href="#">Log4j</a>	1.2.17
Integration Suite	<a href="#">Python</a>	2.5.0
Integration Suite	<a href="#">Serializer</a>	2.7.1
Integration Suite	<a href="#">Spring Framework</a>	3.0.0
Integration Suite	<a href="#">stax (Streaming API for XML)</a>	1.7
Integration Suite	<a href="#">Velocity</a>	1.7
Integration Suite	<a href="#">Xalan</a>	2.7.1
Integration Suite	<a href="#">Xerces</a>	2.9
Integration Suite	<a href="#">Xml-apis</a>	2.0.2
Integration Suite	<a href="#">XMLTask</a>	1.16
Oracle Retail Allocation	<a href="#">Ant</a>	1.9.4
Oracle Retail Allocation	<a href="#">Ant-Contrib</a>	1.0b3
Oracle Retail Allocation	<a href="#">AntInstaller</a>	0.8.0
Oracle Retail Allocation	<a href="#">Commons Beanutils</a>	1.6
Oracle Retail Allocation	<a href="#">Commons CLI</a>	1.1
Oracle Retail Allocation	<a href="#">Commons Collections</a>	3.2.1
Oracle Retail Allocation	<a href="#">Commons Lang</a>	3.3.2
Oracle Retail Allocation	<a href="#">Commons Logging</a>	1.04
Oracle Retail Allocation	<a href="#">Commons Validator</a>	1.4.0
Oracle Retail Allocation	<a href="#">Incanto</a>	0.2.4
Oracle Retail Allocation	<a href="#">Jackson</a>	1.9.13
Oracle Retail Allocation	<a href="#">Jersey</a>	1.18
Oracle Retail Allocation	<a href="#">JGoodies Common</a>	1.8.0
Oracle Retail Allocation	<a href="#">JSCH</a>	0.1.51
Oracle Retail Allocation	<a href="#">Log4j</a>	1.2.11, 1.2.16
Oracle Retail Allocation	<a href="#">XMLTask</a>	1.16
Oracle Retail Invoice Matching	<a href="#">Ant</a>	1.9.4
Oracle Retail Invoice Matching	<a href="#">Ant-Contrib</a>	1.0b3
Oracle Retail Invoice Matching	<a href="#">AntInstaller</a>	0.8.0
Oracle Retail Invoice Matching	<a href="#">aopalliance</a>	1
Oracle Retail Invoice Matching	<a href="#">Commons Beanutils</a>	1.9.2
Oracle Retail Invoice Matching	<a href="#">Commons Collections</a>	4.0
Oracle Retail Invoice Matching	<a href="#">Commons Digester</a>	3.2
Oracle Retail Invoice Matching	<a href="#">Commons Lang</a>	3.3.2

<b>Solution or Product</b>	<b>3<sup>rd</sup> Party Product Name</b>	<b>Version</b>
Oracle Retail Invoice Matching	<a href="#">Commons Logging</a>	1.1.3
Oracle Retail Invoice Matching	<a href="#">CSRF Guard</a>	3.0.0.503
Oracle Retail Invoice Matching	<a href="#">EasyMock</a>	2.3
Oracle Retail Invoice Matching	<a href="#">ESAPI</a>	2.1.0
Oracle Retail Invoice Matching	<a href="#">icu4j</a>	53.1
Oracle Retail Invoice Matching	<a href="#">Incanto</a>	0.2.4
Oracle Retail Invoice Matching	<a href="#">JavaServer Pages Standard Tab Library (JSTL)</a>	1.1.2
Oracle Retail Invoice Matching	<a href="#">JGoodies Common</a>	1.8.0
Oracle Retail Invoice Matching	<a href="#">Log4j</a>	1.2.17
Oracle Retail Invoice Matching	<a href="#">Spring Framework</a>	3.0.6
Oracle Retail Invoice Matching	<a href="#">Spring LDAP</a>	2.0.2
Oracle Retail Invoice Matching	<a href="#">Struts</a>	1.3.10
Oracle Retail Invoice Matching	<a href="#">XMLTask</a>	1.16
Oracle Retail Merchandising System	<a href="#">Ant</a>	1.9.4
Oracle Retail Merchandising System	<a href="#">Ant-Contrib</a>	1.0b3
Oracle Retail Merchandising System	<a href="#">AntInstaller</a>	0.8.0
Oracle Retail Merchandising System	<a href="#">Incanto</a>	0.2.4
Oracle Retail Merchandising System	<a href="#">JGoodies Common</a>	1.8.0
Oracle Retail Merchandising System	<a href="#">Logger</a>	2.1.2
Oracle Retail Merchandising System	<a href="#">XMLTask</a>	1.16
Oracle Retail Price Management	<a href="#">Ant</a>	1.7.1
Oracle Retail Price Management	<a href="#">Ant-Contrib</a>	1.0b3
Oracle Retail Price Management	<a href="#">AntInstaller</a>	0.8.0
Oracle Retail Price Management	<a href="#">ANTLR</a>	2.7.7
Oracle Retail Price Management	<a href="#">ASM</a>	5.0.3
Oracle Retail Price Management	<a href="#">Castor</a>	1.3.2
Oracle Retail Price Management	<a href="#">Cglib</a>	3.1
Oracle Retail Price Management	<a href="#">Commons Beanutils</a>	1.9.2
Oracle Retail Price Management	<a href="#">Commons Collections</a>	3.2.1
Oracle Retail Price Management	<a href="#">Commons Database Common Pooling (dbcp)</a>	2.0
Oracle Retail Price Management	<a href="#">Commons Digester</a>	3.2
Oracle Retail Price Management	<a href="#">Commons Lang</a>	2.6
Oracle Retail Price Management	<a href="#">Commons Logging</a>	1.1.1

<b>Solution or Product</b>	<b>3<sup>rd</sup> Party Product Name</b>	<b>Version</b>
Oracle Retail Price Management	<a href="#">Commons Pool</a>	2.2
Oracle Retail Price Management	<a href="#">DOM4J</a>	1.6.1
Oracle Retail Price Management	<a href="#">EHCACHE</a>	2.4.3
Oracle Retail Price Management	<a href="#">Incanto</a>	0.2.4
Oracle Retail Price Management	<a href="#">Javassist</a>	3.18.0 GA
Oracle Retail Price Management	<a href="#">JGoodies Common</a>	1.8.0
Oracle Retail Price Management	<a href="#">Log4J</a>	1.2.17
Oracle Retail Price Management	<a href="#">ODMG</a>	3
Oracle Retail Price Management	<a href="#">SLF4J</a>	1.6.1
Oracle Retail Price Management	<a href="#">XML API</a>	2.11
Oracle Retail Price Management	<a href="#">XMLTask</a>	1.16
Oracle Retail Sales Audit	<a href="#">Ant</a>	1.9.4
Oracle Retail Sales Audit	<a href="#">Ant-Contrib</a>	1.0b3
Oracle Retail Sales Audit	<a href="#">AntInstaller</a>	0.8.0
Oracle Retail Sales Audit	<a href="#">Commons Lang</a>	3.3.2
Oracle Retail Sales Audit	<a href="#">Commons Validator</a>	1.4.0
Oracle Retail Sales Audit	<a href="#">Jackson</a>	1.9.13
Oracle Retail Sales Audit	<a href="#">Jersey</a>	1.18
Oracle Retail Sales Audit	<a href="#">JGoodies Common</a>	1.8.0
Oracle Retail Sales Audit	<a href="#">JSCH</a>	0.1.51
Oracle Retail Sales Audit	<a href="#">XMLTask</a>	1.16
Oracle Retail Predictive Application Server	<a href="#">Ant</a>	1.9.4
Oracle Retail Predictive Application Server	<a href="#">Ant-Contrib</a>	1.0b3
Oracle Retail Predictive Application Server	<a href="#">AntInstaller</a>	0.8.0
Oracle Retail Predictive Application Server	<a href="#">AOP Alliance jar</a>	1.0
Oracle Retail Predictive Application Server	<a href="#">Boost</a>	1.55
Oracle Retail Predictive Application Server	<a href="#">ESAPI</a>	2.0.1
Oracle Retail Predictive Application Server	<a href="#">GNU libgcc, libstdc++</a>	4.4.6
Oracle Retail Predictive Application Server	<a href="#">JSCH</a>	0.1.50
Oracle Retail Predictive Application Server	<a href="#">JUnit</a>	4.11
Oracle Retail Predictive Application Server	<a href="#">log4j</a>	1.2.17
Oracle Retail Predictive Application Server	<a href="#">Spring Framework</a>	4.0.2
Oracle Retail Predictive Application Server	<a href="#">TinyXML</a>	2.6.2
Oracle Retail Predictive Application Server	<a href="#">XMLTask</a>	1.16

<b>Solution or Product</b>	<b>3<sup>rd</sup> Party Product Name</b>	<b>Version</b>
Oracle Retail Predictive Application Server	<a href="#">zlib</a>	1.2.3
Oracle Retail applications that reside on the RPAS platform (Merchandising, Planning & Optimization)	<a href="#">Ant</a>	1.7.1
Oracle Retail applications that reside on the RPAS platform (Merchandising, Planning & Optimization)	<a href="#">Ant-Contrib</a>	1.0b3
Oracle Retail applications that reside on the RPAS platform (Merchandising, Planning & Optimization)	<a href="#">AntInstaller</a>	0.8.0
Oracle Retail applications that reside on the RPAS platform (Merchandising, Planning & Optimization)	<a href="#">JGoodies Common</a>	1.8.0
Oracle Retail applications that reside on the RPAS platform (Merchandising, Planning & Optimization)	<a href="#">JSCH</a>	0.1.50
Oracle Retail applications that reside on the RPAS platform (Merchandising, Planning & Optimization)	<a href="#">XMLTask</a>	1.16
Oracle Retail Macro Space Management and In Store Space Collaboration	<a href="#">FarPoint Spread Control</a>	3.5.0.10
Oracle Retail Macro Space Management and In Store Space Collaboration	<a href="#">Janus GridEX Control</a>	2.0.0.2215
Oracle Retail Macro Space Management and In Store Space Collaboration	<a href="#">jQuery</a>	2.0.3
Oracle Retail Macro Space Management and In Store Space Collaboration	<a href="#">jQuery Mobile</a>	1.4.0
Oracle Retail Advanced Science Engine	<a href="#">Ant</a>	1.7.1
Oracle Retail Advanced Science Engine	<a href="#">Ant-Contrib</a>	1.0b3
Oracle Retail Advanced Science Engine	<a href="#">Ant Installer</a>	0.8.0
Oracle Retail Advanced Science Engine	<a href="#">Castor</a>	1.3.3
Oracle Retail Advanced Science Engine	<a href="#">Commons CLI</a>	1.2
Oracle Retail Advanced Science Engine	<a href="#">Commons Collections</a>	3.2.1
Oracle Retail Advanced Science Engine	<a href="#">Commons Configuration</a>	1.8
Oracle Retail Advanced Science Engine	<a href="#">Commons IO</a>	2.4
Oracle Retail Advanced Science Engine	<a href="#">Commons Lang</a>	2.6
Oracle Retail Advanced Science Engine	<a href="#">Commons Logging</a>	1.1.1
Oracle Retail Advanced Science Engine	<a href="#">Commons Mathematics</a>	2.2, 3.1.1
Oracle Retail Advanced Science Engine	<a href="#">Commons Validator</a>	1.4.0
Oracle Retail Advanced Science Engine	<a href="#">Gurobi</a>	5.5.0 ISV

<b>Solution or Product</b>	<b>3<sup>rd</sup> Party Product Name</b>	<b>Version</b>
Oracle Retail Advanced Science Engine	<a href="#">Incanto</a>	0.2.4
Oracle Retail Advanced Science Engine	<a href="#">Jackson JSON Processor</a>	2.0.2
Oracle Retail Advanced Science Engine	<a href="#">Jibx-bind</a>	1.2.5
Oracle Retail Advanced Science Engine	<a href="#">Log4j</a>	1.2.17
Oracle Retail Advanced Science Engine	<a href="#">Open CSV</a>	2.1
Oracle Retail Advanced Science Engine	<a href="#">Spring Framework</a>	4.0.2
Oracle Retail Advanced Science Engine	<a href="#">XMLTask</a>	1.16
POS Suite	<a href="#">Ant</a>	1.9.4
POS Suite	<a href="#">Ant-Contrib</a>	1.0b3
POS Suite	<a href="#">Antinstaller</a>	0.8.0
POS Suite	<a href="#">Axis2</a>	1.5.6
POS Suite	<a href="#">Barcode4j</a>	2.1
POS Suite	<a href="#">Commons Beanutils</a>	1.9.1
POS Suite	<a href="#">Commons Chain</a>	1.2
POS Suite	<a href="#">Commons CLI</a>	1.2
POS Suite	<a href="#">Commons Codec</a>	1.9
POS Suite	<a href="#">Commons Collections</a>	4.0
POS Suite	<a href="#">Commons Database Common Pooling (dbcp)</a>	2.0
POS Suite	<a href="#">Commons Digester</a>	1.8
POS Suite	<a href="#">Commons Fileupload</a>	1.3.1
POS Suite	<a href="#">Commons Lang</a>	3.3.2
POS Suite	<a href="#">Commons Logging</a>	1.1.3
POS Suite	<a href="#">Commons Validator</a>	1.4
POS Suite	<a href="#">Commons XML</a>	1.4.01
POS Suite	<a href="#">Displaytag</a>	1.2
POS Suite	<a href="#">EclipseLink Java Persistence API</a>	2.5.1
POS Suite	<a href="#">ESAPI</a>	2.1
POS Suite	<a href="#">FOP</a>	1.1
POS Suite	<a href="#">Globalize.js</a>	0.1.3
POS Suite	<a href="#">Glyphish Pro</a>	3
POS Suite	<a href="#">Incanto</a>	0.2.4
POS Suite	<a href="#">Jakarta ORO</a>	2.0.8

<b>Solution or Product</b>	<b>3<sup>rd</sup> Party Product Name</b>	<b>Version</b>
POS Suite	<a href="#">JavaServer Pages Standard Tab Library (JSTL)</a>	1.2.1
POS Suite	<a href="#">Jdom</a>	2.0.4
POS Suite	<a href="#">JGoodies Common</a>	1.8 approval?
POS Suite	<a href="#">jQuery</a>	1.8.3, 1.9.1
POS Suite	<a href="#">jQuery Easing</a>	1.3.1
POS Suite	<a href="#">jQuery-iMask</a>	0.7.0
POS Suite	<a href="#">jQuery Mobile</a>	1.4.2
POS Suite	<a href="#">jQuery Tablesorter</a>	2.15.3
POS Suite	<a href="#">jQuery UI</a>	1.8.16
POS Suite	<a href="#">jSignature</a>	2
POS Suite	<a href="#">Log4j</a>	1.2.17
POS Suite	<a href="#">PhoneGap</a>	2.9.1
POS Suite	<a href="#">Quartz</a>	1.8.6
POS Suite	<a href="#">SLF4J</a>	1.6.1
POS Suite	<a href="#">Spring Framework</a>	4.0.6
POS Suite	<a href="#">Struts 1</a>	1.3.10
POS Suite	<a href="#">Velocity</a>	1.7
POS Suite	<a href="#">Xerces</a>	2.11.0
POS Suite	<a href="#">XMLTask</a>	1.16
POS Suite	<a href="#">ZXing</a>	2.0
Oracle Retail Store Inventory Management	<a href="#">Ant</a>	1.9.4
Oracle Retail Store Inventory Management	<a href="#">Ant-Contrib</a>	1.0b3
Oracle Retail Store Inventory Management	<a href="#">AntInstaller</a>	0.8.0
Oracle Retail Store Inventory Management	<a href="#">Apache Velocity (Engine)</a>	1.7
Oracle Retail Store Inventory Management	<a href="#">Commons CLI</a>	1.2
Oracle Retail Store Inventory Management	<a href="#">Commons Collections</a>	3.2.1
Oracle Retail Store Inventory Management	<a href="#">Commons Lang</a>	2.6
Oracle Retail Store Inventory Management	<a href="#">Commons Logging</a>	1.1.3
Oracle Retail Store Inventory Management	<a href="#">Incanto</a>	0.2.4
Oracle Retail Store Inventory Management	<a href="#">JGoodies Common</a>	1.8.0
Oracle Retail Store Inventory Management	<a href="#">JSCH</a>	0.1.51
Oracle Retail Store Inventory Management	<a href="#">Log4j</a>	1.2.17
Oracle Retail Store Inventory Management	<a href="#">Wavelink Studio Server</a>	5.x
Oracle Retail Store Inventory Management	<a href="#">XMLTask</a>	1.16

<b>Solution or Product</b>	<b>3<sup>rd</sup> Party Product Name</b>	<b>Version</b>
Oracle Retail Advanced Inventory Planning	<a href="#">AntInstaller</a>	0.8
Oracle Retail Advanced Inventory Planning	<a href="#">Incanto</a>	0.2.4
Oracle Retail Advanced Inventory Planning	<a href="#">JSCH</a>	0.1.50
Oracle Retail Advanced Inventory Planning	<a href="#">Microline Component Toolkit</a>	3.0f2
Oracle Retail Advanced Inventory Planning	<a href="#">XMLTask</a>	1.16
Oracle Retail Warehouse Management System	<a href="#">Ant-Contrib</a>	1.0b3
Oracle Retail Warehouse Management System	<a href="#">AntInstaller</a>	0.8.0
Oracle Retail Warehouse Management System	<a href="#">Commons Beanutils</a>	1.6
Oracle Retail Warehouse Management System	<a href="#">Commons CLI</a>	1.2
Oracle Retail Warehouse Management System	<a href="#">Commons Collections</a>	3.2
Oracle Retail Warehouse Management System	<a href="#">Commons Lang</a>	2.0
Oracle Retail Warehouse Management System	<a href="#">Commons Logging</a>	1.1.1
Oracle Retail Warehouse Management System	<a href="#">Incanto</a>	0.2.4
Oracle Retail Warehouse Management System	<a href="#">JGoodies Common</a>	1.8.0
Oracle Retail Warehouse Management System	<a href="#">JSCH</a>	0.1.50
Oracle Retail Warehouse Management System	<a href="#">XMLTask</a>	1.16
Oracle Retail applications that reside on the RPAS platform (Supply Chain Management)	<a href="#">Ant</a>	1.7.1
Oracle Retail applications that reside on the RPAS platform (Supply Chain Management)	<a href="#">Ant-Contrib</a>	1.0b3
Oracle Retail applications that reside on the RPAS platform (Supply Chain Management)	<a href="#">AntInstaller</a>	0.8.0
Oracle Retail applications that reside on the RPAS platform (Supply Chain Management)	<a href="#">JGoodies Common</a>	1.8.0
Oracle Retail applications that reside on the RPAS platform (Supply Chain Management)	<a href="#">JSCH</a>	0.1.50
Oracle Retail applications that reside on the RPAS platform (Supply Chain Management)	<a href="#">XMLTask</a>	1.16
Oracle Retail Tax Integration Layer	<a href="#">AOP Alliance</a>	1
Oracle Retail Tax Integration Layer	<a href="#">Apache Axiom</a>	1.2.12
Oracle Retail Tax Integration Layer	<a href="#">ASM</a>	5.0.2
Oracle Retail Tax Integration Layer	<a href="#">cglib-nodep</a>	3.1
Oracle Retail Tax Integration Layer	<a href="#">Commons Beanutils</a>	1.9.0
Oracle Retail Tax Integration Layer	<a href="#">Commons Database Common Pooling (dbcp)</a>	1.4
Oracle Retail Tax Integration Layer	<a href="#">Commons IO</a>	2.4
Oracle Retail Tax Integration Layer	<a href="#">Commons Lang</a>	3.3.2

<b>Solution or Product</b>	<b>3<sup>rd</sup> Party Product Name</b>	<b>Version</b>
Oracle Retail Tax Integration Layer	<a href="#">Commons Logging</a>	1.2
Oracle Retail Tax Integration Layer	<a href="#">Commons Pool</a>	2.2
Oracle Retail Tax Integration Layer	<a href="#">DOM4J</a>	1.6.1
Oracle Retail Tax Integration Layer	<a href="#">Dozer</a>	5.5.1
Oracle Retail Tax Integration Layer	<a href="#">GSON</a>	2.3.1
Oracle Retail Tax Integration Layer	<a href="#">Javassist</a>	3.18.0-GA
Oracle Retail Tax Integration Layer	<a href="#">JSON Simple</a>	1.1
Oracle Retail Tax Integration Layer	<a href="#">Log4J</a>	2.1
Oracle Retail Tax Integration Layer	<a href="#">Reflections</a>	0.9.9-RC1
Oracle Retail Tax Integration Layer	<a href="#">SLF4J</a>	1.7.1
Oracle Retail Tax Integration Layer	<a href="#">Spring</a>	2.5.6 SEC03
Oracle Retail Tax Integration Layer	<a href="#">XStream</a>	1.4.7
Oracle Retail Mobile Merchandising	<a href="#">ASM</a>	3.1
Oracle Retail Mobile Merchandising	<a href="#">Jackson</a>	1.9.13
Oracle Retail Mobile Merchandising	<a href="#">Jersey</a>	1.18



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## Definitions

“Application Archive” refers to the MAF Foundation mobile application archive, which is an Oracle proprietary mobile application deployment format that can only be used with Oracle supported development tools. It is not related to or based on any non-Oracle application archive format, including iOS application archives.

“Application Executable” refers to a mobile application executable installation file, such as an apk or ipa file.

“Application Workspace” refers to a series of files making up the source code of a mobile application developed using MAF Foundation.

“Data Control” refers to MAF Foundation mobile application artifacts that provides standard metadata interfaces to business services (such as web services) accessed by the mobile application.

“Feature” refers to specific MAF Foundation mobile application artifacts that are the building blocks of a mobile application, where each Feature integrated into the mobile application performs a specific set of tasks.

**Table 1**

Capabilities that may be used when MAF Foundation is included as a component within another Oracle product.

Capability	Description
Sign and deploy Application Archive or Application Workspace into an Application Executable	Sign the mobile application with the appropriate certificates, and deploy the Application Archive or Workspace into an Application Executable.
Make modifications to an Application Archive as specified, except as listed in Table 2 below	<p>The following modifications to Application Archives are allowed. For details of how to work with MAF Foundation Application Archives, consult the Mobile Application Framework Developer Guide.</p> <ul style="list-style-type: none"> <li>• Deploy a browser-based Oracle mobile application into MAF Foundation to run as Remote URL Feature(s)</li> <li>• Access device-native services such as the notification framework or camera</li> <li>• Change branding details such as mobile application/navigation bar icons and skins</li> <li>• Modify business logic components and the user interface of the mobile application to align with your implemented business processes and customizations in the associated Oracle non-mobile application(s)</li> </ul>
Distribute Application Executable generated from Application Archive or Application Workspace	Distribute the Application Executable generated from an Application Archive to the extent permitted by, and in full compliance with, (a) the Oracle license terms associated with the Primary Product, and (b) any applicable third-party distribution terms and conditions required either by the mobile operating system provider or the application distribution platform provider (e.g., Apple Inc., Google, Inc.).
Manage the mobile application using mobile application management (MAM) solutions	Use MAM solutions with mobile applications generated from an Application Archive; for example, wrapping the mobile application binaries with the containers provided by the MAM solution.

**Table 2**

Capabilities that may not be used when MAF Foundation is included as a component within another Oracle product.

<b>Capability</b>	<b>Description</b>
Add a new Mobile Application Framework Feature	Add a new MAF Feature such as AMX or Local HTML-based Features, except when embedding a web-based Oracle Application as a Remote URL Feature (as addressed in Table 1 above).
Add a Remote URL Feature to Applications outside of App License Agreement	Add a Remote URL Feature pointing to any application or features that are not part of the Primary Product. For example, for an Application Archive shipped as part of the Oracle PeopleSoft application, add a Remote URL Feature pointing to Oracle Siebel CRM application or to third party applications.
Add a new MAF Data Control	Add a new Data Control to the MAF-based mobile Application Archive or Application Workspace. For example, a Web Service Data Control that exposes backend data services or a Bean Data Control that exposes custom Java code to the application's user interface.

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# Oracle Retail Analytics

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes

2.4.1	2.4	2005	PSF	yes
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2.4.3	2.4.2	2006	PSF	yes
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2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2010	PSF	yes
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Mersenne Twister

=====  
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A C-program for MT19937, with initialization improved 2002/1/26.

Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)`

or `init_by_array(init_key, key_length)`.

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<http://www.math.keio.ac.jp/matumoto/emt.html>

email: [matumoto@math.keio.ac.jp](mailto:matumoto@math.keio.ac.jp)

Sockets

=====

The socket module uses the functions, `getaddrinfo()`, and `getnameinfo()`, which are coded in separate source files from the WIDE Project, <http://www.wide.ad.jp/>.

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MD5 message digest algorithm

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L. Peter Deutsch  
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

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The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically. 1999-11-04 lpd Edited comments slightly for automatic TOC extraction.

1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.

1999-05-03 lpd Original version.

Asynchronous socket services

=====

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Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

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Oracle Retail Advanced Science Engine	Oracle Advanced Clustering
Oracle Retail Advanced Science Engine	Oracle Assortment and Space Optimization
Oracle Retail Advanced Science Engine	Oracle Retail Advanced Science Engine
Stores	Back Office
Stores	Central Office
Stores	Mobile Point-of-Service
Stores	Point-of-Service
Stores	Returns Management
Stores	Store Inventory Management
Supply Chain	Advanced Inventory Planning

<b>Solution Unit</b>	<b>Product</b>
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Supply Chain	Retail Demand Forecasting
Supply Chain	Cross Promotion Elasticity Module (RDF)
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