

Oracle® Fusion Middleware

Licensing Information

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9 Oracle Middleware Enterprise Management

Preface

This document, which is part of the Program Documentation under the terms of your Oracle licensing agreement, is intended to help you understand the features, functionality, and options available for Oracle Programs and the licenses required to use them. Oracle offers a variety of licensing options that determine your rights to run the Oracle Programs. If you have a question about your licensing needs, please contact your Oracle sales representative or refer to the resources listed in the "[Related Documents](#)" section below for more information.

Oracle Application Server is available in multiple editions, each suitable for different development and deployment scenarios. Oracle also offers several application server options and packs that enhance the capabilities of Oracle Application Server for specific application requirements. *Oracle Application Server Licensing Information* provides information on these optional application server products and their licensing requirements.

This Preface contains these topics:

- [Intended Audience](#)
- [Documentation Accessibility](#)
- [Related Documents](#)
- [Conventions](#)

Intended Audience

This book is intended for all purchasers of Oracle Application Server.

Documentation Accessibility

Our goal is to make Oracle products, services, and supporting documentation accessible to all users, including users that are disabled. To that end, our documentation includes features that make information available to users of assistive technology. This documentation is available in HTML format, and contains markup to facilitate access by the disabled community. Accessibility standards will continue to evolve over time, and Oracle is actively engaged with other market-leading technology vendors to address technical obstacles so that our documentation can be accessible to all of our customers. For more information, visit the Oracle Accessibility Program Web site at <http://www.oracle.com/accessibility/>.

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Related Documents

For more information, see these Oracle resources:

- *Oracle Fusion Middleware Concepts* for information on the features new to this release of Oracle Application Server
- The Software Investment Guide, available at <http://www.oracle.com/corporate/pricing/sig.pdf>

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Application Server Products

This chapter describes the application server product family, and the features available with this product family. It contains the following sections:

- [Section 1.1, "Oracle TopLink and Application Development Framework"](#)
- [Section 1.2, "The Oracle WebLogic Server Product Family"](#)
- [Section 1.3, "The Oracle Internet Application Server Product Family"](#)
- [Section 1.4, "Oracle Coherence"](#)
- [Section 1.5, "WebLogic Application Grid"](#)
- [Section 1.6, "BPEL Process Manager"](#)
- [Section 1.7, "WebLogic Integration"](#)
- [Section 1.8, "Service Registry"](#)
- [Section 1.9, "Enterprise Repository"](#)
- [Section 1.10, "Oracle Web Services Manager"](#)
- [Section 1.11, "SOA Suite for Non Oracle Middleware"](#)
- [Section 1.12, "Business Process Management Suite for Non Oracle Middleware"](#)
- [Section 1.13, "Oracle Business Process Analysis Suite"](#)
- [Section 1.14, "Event-Driven Architecture Suite"](#)
- [Section 1.15, "Oracle Forms and Reports"](#)
- [Section 1.16, "Oracle Data Service Integrator"](#)
- [Section 1.17, "Oracle Data Profiling"](#)
- [Section 1.18, "Oracle Data Integration Suite"](#)
- [Section 1.19, "Oracle Data Integrator Enterprise Edition"](#)
- [Section 1.20, "Oracle Data Quality for Data Integrator \(Up to a Maximum of 100 Million Records\)"](#)
- [Section 1.21, "Oracle Data Quality for Data Integrator \(for Greater than 100 Million Records\)"](#)
- [Section 1.22, "Oracle Data Quality Rules for Data Integrator"](#)
- [Section 1.23, "Oracle Application Adapters for Data Integration"](#)
- [Section 1.24, "Oracle Application Adapters for Warehouse Builder"](#)

1.1 Oracle TopLink and Application Development Framework

Oracle TopLink and Application Development Framework can be separately licensed, independent of any Oracle WebLogic Server or Oracle Internet Application Server edition. Oracle TopLink, Application Development Framework, and Oracle MapViewer are also included in all of the Oracle Internet Application Server and WebLogic Server and Suite editions.

When you license Oracle TopLink and Application Development Framework separately, the license includes Oracle TopLink Mapping Workbench and Oracle MapViewer.

1.2 The Oracle WebLogic Server Product Family

Oracle WebLogic Server is available in three editions with different functional capabilities, each suitable for different kinds of applications and different development and deployment scenarios. Oracle also offers several application server options, packs, and other products that enhance the capabilities of Oracle WebLogic Server for specific purposes. This section describes the licensing editions of Oracle WebLogic Server.

[Table 1–1](#) introduces the Oracle WebLogic Server licensing options.

Table 1–1 Oracle WebLogic Server Licensing Editions

Licensing Edition	High Level Functionality	Features Included
Standard Edition	The WebLogic Server Standard Edition includes: - Core WebLogic application server, with Administration Console, Configuration Wizard, and Upgrade Framework - Oracle TopLink and Application Development Framework - Oracle JDeveloper - WebLogic Workshop - Kodo Enterprise - Oracle TopLink - Oracle Security Developer Toolkit	Includes: - Java EE 5/EJB 3.0 - High performance JMS messaging - Web 2.0 HTTP Pub-Sub Server - WebLogic JDBC Drivers, WebLogic Server Clients, and WebLogic and Apache Web Server Plug-Ins - FastSwap iterative development, Applications development framework shared across Fusion Middleware and Applications, and Workshop for WebLogic - Streamlined storing of important objects to data stores, available to all Java applications and a core component of EJB 3.0
Enterprise Edition	Includes all of the Standard Edition functionality, plus: - Clustering support - Diagnostics Pack for Oracle Middleware - Oracle HTTP Server	All Standard Edition features, plus: - Whole-server migration and service migration - Diagnostics Pack for Oracle Middleware includes Application Diagnostics for Java and JRockit Mission Control. For more information about the Diagnostics Pack for Oracle Middleware, see the chapter "Oracle Middleware Enterprise Management" in the <i>Oracle Enterprise Manager Licensing Information</i> document.

Table 1–1 (Cont.) Oracle WebLogic Server Licensing Editions

Licensing Edition	High Level Functionality	Features Included
WebLogic Suite	Includes all of the Enterprise Edition functionality, plus: ■ Oracle Coherence Enterprise Edition ■ Oracle WebLogic Operations Control ■ Oracle WebLogic Real Time ■ Oracle Internet Application Server Enterprise Edition ■ Oracle Enterprise Manager Management Pack for Oracle Coherence	All Enterprise Edition features, plus: ■ Application data management provided by Oracle Coherence Enterprise Edition. Includes: fault-tolerant data caching, data management, write-behind, transactions, analytics and events. For license details, see Section 1.4, "Oracle Coherence". ■ WebLogic Operations Control enables centralized governance and control, dynamic activation, and service level management of WebLogic Server and Coherence. ■ High performance, low latency JDK with deterministic garbage collection for Java EE applications running on WebLogic Server with WebLogic Real Time. ■ Management tooling for monitoring, administering, and provisioning Oracle Coherence with Oracle Enterprise Manager Management Pack for Oracle Coherence. Also includes Oracle Internet Application Server Enterprise Edition, which contains: ■ Oracle Internet Directory ■ Oracle Application Server Single Sign-On ■ Oracle Application Server Certificate Authority ■ Oracle Application Server Discoverer ■ Oracle Application Server Reports Services ■ Oracle Application Server Forms Services ■ Oracle Containers for J2EE ■ Oracle Application Server Integration B2B ■ Oracle Business Rules ■ Oracle Application Server Portal ■ Oracle Application Server Web Cache ■ Oracle Enterprise Service Bus ■ Oracle Delegated Administration Services ■ Oracle Directory Integration Platform For license details about Oracle Internet Application Server Enterprise Edition, see Section 1.3, "The Oracle Internet Application Server Product Family".

1.2.1 Installation of Oracle WebLogic Product Editions

Oracle WebLogic Server does not provide installation programs that correspond directly to each available edition. For example, depending on the edition licensed, you may need to run one or more of the following individual installers:

- Oracle WebLogic Server
- Oracle Coherence
- Oracle JRockit Real Time
- Oracle WebLogic Operations Control

- Oracle JDeveloper
- Oracle TopLink
- Oracle Business Intelligence
- Oracle SOA Suite 10g
- Oracle Containers for J2EE

In addition, many installers contain multiple components that may be installed all together or individually, and each installation component has a minimum license requirement. [Table 1–2](#) identifies the minimum edition requirements for each installation option available from the Oracle WebLogic Server installation programs.

Table 1–2 Installation Programs Required for WebLogic Product Editions

Licensing Edition	Corresponding Installation Programs
Standard Edition	Standard Edition encompasses the following installation programs: ■ WebLogic Server 10.3 net or package installer, and Apache plug-ins (optional). This installer includes the core JEE 5 application server, Administration Console, Configuration Wizard and Upgrade Framework, WebLogic and third-party JDBC drivers, JMS, WebLogic Server clients, web server plug-ins, UDDI and Xquery Support, WebLogic Server examples, Workshop for WebLogic, Workshop Runtime Framework, and Sun or Oracle JRockit JDKs (depending on platform). For instructions, see <i>Oracle WebLogic Server Installation Guide</i>. ■ Oracle JDeveloper installer. See the Oracle JDeveloper documentation page. ■ Oracle ADF installer. See the README.html file included in the installation zip file. ■ Oracle TopLink 10g installer. See the Oracle TopLink documentation page.
Enterprise Edition	The installation programs for Enterprise Edition include all those for Standard Edition, plus: ■ Oracle JRockit Mission Control. For installation, see <i>Installing Oracle JRockit Mission Control</i>. ■ Oracle Enterprise Manager Diagnostics Pack for Oracle Middleware. ■ For installing Oracle HTTP Server, you need to run the installer for Oracle Internet Application Server. Installation instructions for Oracle Internet Application Server 10g is available at the following locations: - For 10g Release 2, see the documentation library at http://download.oracle.com/docs/cd/B14099_19/index.htm. - For 10g Release 3, see the documentation library at http://download.oracle.com/docs/cd/B31017_01/index.htm Note: Adding cluster support does not require an additional installation procedure.

Table 1–2 (Cont.) Installation Programs Required for WebLogic Product Editions

Licensing Edition	Corresponding Installation Programs
WebLogic Suite	The installation programs for WebLogic Suite include all those for Enterprise Edition, plus: ■ Oracle Coherence Enterprise Edition. See <i>Installing Oracle Coherence</i>. ■ Oracle WebLogic Operations Control. See <i>Oracle WebLogic Operations Control Installation Guide</i>. ■ Oracle JRockit. See <i>Welcome to Oracle JRockit</i>. ■ Oracle Internet Application Server Enterprise Edition 10g Oracle Internet Application Server Enterprise Edition is available at the following locations: ■ If you have purchased a WebLogic Suite Edition license, locate the download page from http://edelivery.oracle.com/ ■ The free developer download page is available at http://www.oracle.com/technology/products/ias/index.html Installation instructions for Oracle Internet Application Server 10g is available at the following locations: ■ For 10g Release 2, see the documentation library at http://download.oracle.com/docs/cd/B14099_19/index.htm. ■ For 10g Release 3, see the documentation library at http://download.oracle.com/docs/cd/B31017_01/index.htm

1.2.2 Licensing Considerations for Additional Features

Certain Oracle WebLogic Server editions contain features that have additional licensing considerations.

1.2.2.1 Management Features

Note the following licensing considerations for management features:

- All Oracle Enterprise Manager 10g Application Server Control functionality is included with the WebLogic Suite Edition. For more information, see [Section 1.3.2.1, "Management Features"](#).
- Unrestricted use of the WebLogic Server Administration Console, the WebLogic Scripting Tool, and WebLogic JMX is available in all WebLogic Server editions.

1.2.2.2 High Availability Features

Oracle WebLogic Server provides several features and tools to support the deployment of highly available and scalable applications, including the following:

- WebLogic Server clusters, which provide scalability and reliability for your applications by distributing the work load among multiple instances of WebLogic Server.
- Work Managers, which prioritize work based on rules you define and by monitoring actual run time performance statistics. Work Managers can be used to provide overload protection, such as detecting, avoiding and recovering from excess workload. They may be applied globally to a WebLogic Server domain or to a specific application or component.
- WebLogic Server persistent store, which is a built-in, high-performance storage solution for WebLogic Server subsystems and services that require persistence. For example, it can store persistent JMS messages or temporarily store messages sent

using the Store-and-Forward feature. The persistent store supports persistence to a file-based store or to a JDBC-enabled database.

- Network channels, which facilitate the effective use of network resources by segregating network traffic into channels based on the type of traffic.
- Store-and-forward services, which enable WebLogic Server to deliver messages reliably between applications that are distributed across WebLogic Server instances. If the message destination is not available at the moment the messages are sent, either because of network problems or system failures, then the messages are saved on a local server instance, and are forwarded to the remote destination once it becomes available.

Some WebLogic Server high availability features require special licensing considerations, which are described in the following sections.

1.2.2.2.1 WebLogic Server Standard Edition A Standard Edition license provides unlimited access to most high availability features in WebLogic Server, with the exception of Cluster Support. With a Standard Edition license, no restrictions are placed on the following:

- The number of Managed Server instances that may be configured in a WebLogic domain
- Use of the Apache HTTP Server Plug-In to perform load balancing among stateless server instances

1.2.2.2.2 Cluster Support Cluster support is provided in all WebLogic Server Enterprise Edition and WebLogic Suite Edition licenses, and includes the following capabilities:

- Application failover
When an application component becomes unavailable for any reason, a copy of the failed object finishes the job. In case of hardware or other failures, session state is available to other cluster nodes that can resume the work of the failed node.
- Automatic and manual migration of a clustered server instance from one machine to another using Server Migration
The uninterrupted availability of singleton services is ensured—services that must run on only a single server instance at any given time, such as JMS and the JTA transaction recovery system—when the hosting server instance fails using Service Migration.
- Load balancing
Incoming requests can be routed to a WebLogic Server instance in the cluster based on the volume of work being processed.

The following types of objects can be clustered in a WebLogic Server deployment:

- Servlets
- Java Server Pages
- Enterprise JavaBeans
- Remote Method Invocation (RMI) objects
- Java Messaging Service (JMS) destinations. Note:
 - A connection factory and a destination can be targeted to different WebLogic Server instances.

- Foreign servers and distributed destinations may be used across multiple WebLogic Server instances.

1.2.2.2.3 High Availability Considerations for Oracle WebLogic Server Middle-Tier Instances

There are several ways that you can make WebLogic Server instances highly available. Each of these high availability models has specific licensing implications. These considerations are similar to the licensing considerations for the high availability features of the Oracle Database.

- **Backup:** In this type of recovery, WebLogic Server data/files of the primary server are stored on storage devices, such as tape media, and customers are **not** required to purchase additional licenses.
- **Failover (also known as Active/Passive or Cold Failover Cluster):** In this type of recovery, WebLogic Server nodes are configured in an "Active/Passive Cluster"; the first installed node acts as a primary node. If the primary node fails, one of the nodes in the cluster acts as the primary node. In this type of environment Oracle permits licensed Oracle WebLogic Server customers to run the WebLogic Server on an unlicensed spare computer for up to a total of ten separate days in any given calendar year. Any other use requires the environment to be fully licensed. Additionally, the same metric (i.e., processor-based, or named user based) must be used when licensing the WebLogic Server in a failover environment.
- **Remote Mirroring:** This method involves copying the WebLogic Server software to the secondary site and copying the changes in the primary WebLogic Server configuration and data to the secondary site. This can be accomplished through techniques such as storage based remote mirroring or host based mirroring. In the event of a failure at the primary site, the Oracle WebLogic Server on the secondary site is run using the remote storage. In this environment, Oracle WebLogic Server must be fully licensed at the primary site, and if it is ever installed and/or run at the secondary site, it must also be fully licensed there. Additionally, the same metric (i.e., processor-based, or named user based) must be used to license both WebLogic Server domains.

1.2.2.2.4 WebLogic Suite Edition For Oracle Application Server clusters, note the considerations described in [Section 1.3.2.3, "High Availability Features"](#).

1.2.2.3 PointBase

PointBase Server is an all-Java DBMS product included in the WebLogic Server distribution solely in support of WebLogic Server evaluation, either in the form of custom trial applications or through packaged sample applications provided with WebLogic Server. The non-evaluation development or production use of PointBase requires the end-user to obtain a license from IBM.

1.2.2.4 Oracle JRockit

Note the following Oracle JRockit considerations:

1.2.2.4.1 Oracle JRockit JDK Oracle JRockit JDK provides tools, utilities, and a complete runtime environment for developing and running applications using the Java programming language. The JDK includes the Oracle JRockit Java Virtual Machine (JVM), which is optimized for Intel architectures and is designed to provide reliability, scalability, and manageability for server-side Java applications.

Oracle JRockit JDK is included in all licenses of Oracle WebLogic Server Standard Edition, Oracle WebLogic Enterprise Edition, and WebLogic Suite Edition. JRockit JDK is restricted to running applications hosted on components within these products.

1.2.2.4.2 Oracle JRockit Real Time Oracle JRockit Real Time provides lightweight, front-office infrastructure for low latency, event-driven applications.

Within WebLogic Suite Edition, Oracle JRockit Real Time is licensed under the name Oracle WebLogic Real Time. Oracle WebLogic Real Time is a license of JRockit Real Time that is limited to running WebLogic Server and the Java EE applications hosted on it.

1.2.2.4.3 Oracle JRockit Mission Control Oracle JRockit Mission Control is a diagnostics tool that enables sophisticated problem analysis, performance tuning, and monitoring of the Oracle JRockit JVM. Oracle JRockit Mission Control is licensed as part of the Diagnostics Pack for Oracle Middleware and is included in WebLogic Server Enterprise Edition. For more information about the Diagnostics Pack for Oracle Middleware, see the chapter "Oracle Middleware Enterprise Management" in the *Oracle Enterprise Manager Licensing Information* document.

1.2.2.5 Stand-Alone WebLogic Clients

The licenses for WebLogic Server Standard Edition, WebLogic Server Enterprise Edition, and WebLogic Suite Edition provide unrestricted use of the client JAR files bundled with WebLogic Server for creating stand-alone clients that access applications hosted on WebLogic Server.

The client JARs and other resources provided in Oracle WebLogic Server for creating stand-alone clients, and the key features they support, are listed in [Table 1–3](#):

Table 1–3 Client JAR files and Other Resources Provided for Stand-Alone Clients

Client Type	Bundled Resources	Key Features
WebLogic Full Client (T3)	wlfullclient.jar	Supports the following: - Most Java EE and WebLogic-specific features - Clustering, SSL - JMS and JMS SAF clients
WebLogic-IIOP	wlfullclient.jar	- Supports most WebLogic-specific features - Supports clustering, SSL - Faster and more scalable than IIOP thin clients - Not ORB-based - Does not support WLS JMS
Java EE Application Client (Thin Client)	wlclient.jar	- Clustering, SSL, many Java EE features, including security and transactions - Uses CORBA 2.4 ORB
JMS Thin Client	wljmsclient.jar wlclient.jar	- Thin client functionality - WebLogic JMS, except for client-side XML selection for multicast sessions and JMSHelper class methods - SSL
JMS SAF Client — for using store-and-forward services	wlsafclient.jar wljmsclient.jar wlclient.jar	- Locally stores messages on the client and forwards them to server-side JMS destinations when the client is connected - Supports SSL
JMS C Client	wlfullclient.jar or wljmsclient.jar wlclient.jar	- C client applications that can access WebLogic JMS applications and resources - Supports SSL

Table 1–3 (Cont.) Client JAR files and Other Resources Provided for Stand-Alone Clients

Client Type	Bundled Resources	Key Features
JMS .NET Client	WebLogic.Messaging.dll dynamic library	Microsoft .NET client applications, written in C# that can access WebLogic JMS applications and resources
JMX Client	wljmxclient.jar	Accesses WebLogic Server MBeans
Web Services Client	wseeclient.jar	Invokes Web Service

1.2.3 Restricted-Use Licensing

The following restricted-use licenses are included with Oracle WebLogic Server in the editions and products indicated.

1.2.3.1 Oracle Database License Requirements

See [Section 1.3.3, "Restricted-Use Licensing"](#) for details about restricted-use licenses of the Oracle Database (Standard Edition, Standard Edition One, and Enterprise Edition).

1.2.3.2 Oracle Internet Application Server Requirements

See [Section 1.3.3, "Restricted-Use Licensing"](#) for details about restricted-use licenses included with WebLogic Suite Edition.

1.2.4 General Licensing Information

Oracle WebLogic Server Standard Edition, WebLogic Server Enterprise Edition, and WebLogic Suite Edition can be licensed with the Named User Plus metric and/or the Processor metric.

1.3 The Oracle Internet Application Server Product Family

Oracle Internet Application Server is available in three editions with different functional capabilities, each suitable for different kinds of applications and different development and deployment scenarios. Oracle also offers several application server options, packs, and other products that enhance the capabilities of Oracle Internet Application Server for specific purposes. This section describes the licensing editions of Oracle Internet Application Server.

[Table 1–4](#) introduces the Oracle Internet Application Server licensing options.

Notes:

- For Oracle Internet Application Server 10g Release 3, the Standard Edition and the Enterprise Edition licensing options include components from Oracle Internet Application Server 10g Release 2, as noted in [Table 1–4](#).
 - For Oracle Internet Application Server 10g Release 2, the Standard Edition and the Enterprise Edition licensing options include components from Oracle Internet Application Server 10g Release 3 and/or Oracle Internet Application Server 10g Release 2, as noted in [Table 1–4](#).
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Table 1–4 Oracle Internet Application Server Editions

Licensing Edition	High-Level Functionality	Included Features
Standard Edition	Oracle Internet Application Server Standard Edition includes: ■ Oracle HTTP Server ■ Oracle Containers for J2EE ■ Oracle TopLink ■ Oracle Sensor Edge Server ■ Oracle Application Server MapViewer ■ Oracle Application Server Portal (from Oracle Internet Application Server 10g Release 2) ■ Oracle Application Server Web Cache (from Oracle Internet Application Server 10g Release 2) Oracle Internet Application Server 10g Release 3 and Oracle Internet Application Server 10g Release 2 also include the Oracle Security Developer Toolkit. Oracle Internet Application Server 10g Release 2 Standard Edition, in addition to the components listed above, also includes the following: ■ Oracle Business Rules ■ Oracle Internet Directory ■ Oracle Application Server Single Sign-On Oracle Internet Application Server 10g Release 2 Standard Edition includes limited use licenses for Oracle Internet Directory and OracleAS Single Sign-On. For full use, license Oracle Internet Application Server Enterprise Edition, or Oracle Identity and Access Management Suite, as described in Section 8.13, "Oracle Identity and Access Management Suite". Note: Since Oracle Internet Application Server 10g Release 2 does not include components outside of the Oracle Identity and Access Management products, if you license Standard Edition some components will be from Oracle Internet Application Server 10g Release 2 or Oracle Internet Application Server 10g Release 3.	■ mod_oc4j ■ mod_oss ■ mod_oradav ■ mod_fastcgi ■ mod_rewrite ■ Proxy Plug-In ■ XML Developer Kit ■ Oracle Application Development Framework (ADF) ■ Oracle Security Developer Toolkit ■ Oracle Enterprise Manager 10g Application Server Control ■ Java Authentication and Authorization Service (JAAS) Provider ■ Data Direct JDBC drivers for Oracle and non-Oracle databases ■ mod_plsql ■ mod_php ■ mod_osso ■ mod_perl ■ Perl Interpreter ■ DBI/DBD data access libraries ■ PL/SQL Server Pages ■ Oracle Content Management SDK ■ UDDI Repository ■ Oracle Application Server Repository Creation Assistant
Standard Edition One	Oracle Internet Application Server Standard Edition One includes all of the Standard Edition functionality.	All features included in Standard Edition

Table 1–4 (Cont.) Oracle Internet Application Server Editions

Licensing Edition	High-Level Functionality	Included Features
Enterprise Edition	Oracle Internet Application Server Enterprise Edition includes all of the Standard Edition functionality, plus: ■ Oracle Internet Directory ■ Oracle Application Server Single Sign-On ■ Oracle Application Server Certificate Authority ■ Oracle Application Server Discoverer ■ Oracle Application Server Reports Services ■ Oracle Application Server Personalization ■ Oracle Application Server Forms Services ■ Oracle Application Server Integration InterConnect ■ Oracle Application Server Integration B2B ■ Oracle Application Server Wireless Note: For Oracle Internet Application Server 10g Release 3, all the additional components are from Oracle Internet Application Server 10g Release 2. Oracle Internet Application Server 10g Release 2 Enterprise Edition, in addition to the components listed above, also includes: ■ Oracle Delegated Administration Services ■ Oracle Directory Integration Platform Oracle Internet Application Server 10g Release 2 Enterprise Edition includes full use licenses for Oracle Internet Directory and OracleAS Single Sign-On. Note: Since Oracle Internet Application Server 10g Release 2 does not include components outside of the Oracle Identity and Access Management products, if you license Enterprise Edition some components will be from Oracle Internet Application Server 10g Release 2 or Oracle Internet Application Server 10g Release 3.	All Standard Edition features, plus: ■ Oracle Identity Management features ■ Business Intelligence features ■ Integration features ■ Wireless features See Section 1.3.2.2.2, "Oracle Identity Management" for details about Identity Management features.

1.3.1 Oracle Internet Application Server Editions and Installation Types

When you install Oracle Application Server, you are asked to choose one of several options, or installation types. Each installation type provides a specific set of application server components and features. For example, Oracle Application Server Infrastructure (in Oracle Internet Application Server 10g Release 2) is an installation type that provides centralized product metadata and security services, configuration information, and data repositories for middle-tier installations.

Note: The Oracle Internet Application Server 10g Release 3 installer enables you to install these components:

- Oracle HTTP Server
- Oracle Containers for J2EE
- Oracle TopLink
- Oracle Sensor Edge Server
- Oracle Application Server MapViewer
- Oracle Security Developer Toolkit

To install the additional components licensed for the Standard Edition and Enterprise Edition, run the Oracle Internet Application Server 10g Release 2 installer. For details about the installation types, see the *Oracle Application Server Installation Guide* for the appropriate version of Oracle Application Server.

Oracle Internet Application Server editions do not map directly to these product installation types. It is important to understand how these two concepts relate to each other. [Table 1–5](#) and [Table 1–6](#) (for Oracle Internet Application Server 10g Release 2) list the minimum edition requirements for each installation type.

In each case, the minimum edition listed is the edition required to install the installation type. However, the minimum edition may not enable you to use everything included in that installation type. For example, you can install the Portal and Wireless products from an installation type, but the Standard Edition license does not cover the usage of Oracle Application Server Wireless. These restrictions are detailed in [Table 1–7](#).

Table 1–5 Edition Requirements for Installation Types for Oracle Internet Application Server 10g Release 2 (10.1.2.x) and Release 3 (10.1.3.x)

Installation Type	Oracle Internet Application Server Minimum Edition Required
J2EE and Web Cache	Standard Edition
JDeveloper	Standard Edition
TopLink	Standard Edition
Portal and Wireless	Standard Edition or Standard Edition One
Integration	Enterprise Edition
Business Intelligence and Forms	Enterprise Edition
Infrastructure	Standard Edition or Standard Edition One

Table 1–6 Edition Requirements for Installation Types for Oracle Internet Application Server 10g (10.1.4.x)

Installation Type or Component	Oracle Internet Application Server Minimum Edition Required
Security Developer Tools	Standard Edition
Infrastructure	Standard Edition or Standard Edition One

Table 1–6 (Cont.) Edition Requirements for Installation Types for Oracle Internet Application Server 10g (10.1.4.x)

Installation Type or Component	Oracle Internet Application Server Minimum Edition Required
Oracle Internet Directory, OracleAS Single Sign-On	Standard Edition or Standard Edition One
Oracle Delegated Administration Services, Oracle Directory Integration Platform, OracleAS Certificate Authority	Enterprise Edition
Oracle Access Manager, Oracle Identity Federation, Oracle Identity Manager, Oracle Identity Manager Connector, Oracle Virtual Directory	Requires independent license

[Table 1–7](#) and [Table 1–8](#) list the installation types available with each of the Oracle Internet Application Server editions, along with any exceptions or restrictions associated with each edition-installation pair.

Table 1–7 Installation Types Included with Editions for Oracle Internet Application Server 10g Release 2 (10.1.2.x) and Release 3 (10.1.3.x)

Edition	Installation Types	Exceptions
Standard Edition or Standard Edition One	J2EE and Web Cache JDeveloper TopLink Portal and Wireless Infrastructure	Upgrade to Enterprise Edition if you need: ■ Wireless ■ Oracle Application Server Certificate Authority ■ Oracle Application Server Single Sign-On ■ Oracle Internet Directory See Also: Section 1.3.3, "Restricted-Use Licensing"
Enterprise Edition	J2EE and Web Cache JDeveloper TopLink Portal and Wireless Integration Business Intelligence and Forms Infrastructure	If you use Discoverer Plus and/or Discoverer Viewer, you need at least one license of Discoverer Administrator, which is included in Oracle Developer Suite. For Integration installations, all packaged application, legacy system, and B2B adapters are licensed separately. See Also: Section 1.3.3, "Restricted-Use Licensing"

Table 1–8 Installation Types Included with Editions for Oracle Internet Application Server 10g Release 2 (10.1.4.x)

Edition	Installation Types or Components	Exceptions
Standard Edition or Standard Edition One	Oracle Internet Directory OracleAS Single Sign-On	Upgrade to Enterprise Edition if you need: ■ Full use of either of these components ■ Oracle Delegated Administration Services ■ Oracle Directory Integration Platform ■ OracleAS Certificate Authority Add one of the Identity and Access Management Options if you need: ■ Oracle Access Manager ■ Oracle Identity Federation ■ Oracle Identity Manager ■ Oracle Identity Manager Connector ■ Oracle Directory Services See Also: Section 1.3.3, "Restricted-Use Licensing"
Enterprise Edition	Oracle Internet Directory OracleAS Single Sign-On Oracle Delegated Administration Services Oracle Directory Integration Platform OracleAS Certificate Authority Infrastructure	Add one of the Identity and Access Management Options if you need: ■ Oracle Access Manager ■ Oracle Identity Federation ■ Oracle Identity Manager ■ Oracle Identity Manager Connector ■ Oracle Directory Services See Also: Section 1.3.3, "Restricted-Use Licensing"

1.3.2 Licensing Considerations for Additional Features

Certain Oracle Application Server features have additional licensing considerations. This section contains the following subsections:

- [Section 1.3.2.1, "Management Features"](#)
- [Section 1.3.2.2, "Security Features"](#)
- [Section 1.3.2.3, "High Availability Features"](#)
- [Section 1.3.2.4, "Adapters"](#)
- [Section 1.3.2.5, "Oracle Business Rules"](#)
- [Section 1.3.2.6, "Oracle JRockit"](#)

1.3.2.1 Management Features

All Oracle Enterprise Manager 10g Application Server Control functionality is included with each of the Oracle Internet Application Server editions. In addition, all of the Oracle Internet Application Server editions include Oracle Enterprise Manager 10g Grid Control, which is Oracle's single, integrated tool for managing your Oracle Grid and the components running on the grid (for example, single instance databases, Real Application Clusters, Oracle Applications, Oracle Fusion Middleware, and third-party products).

Grid Control includes a restricted-use license for the Oracle Database and Oracle Application Server components required to deploy Grid Control. Refer to [Section 1.3.3, "Restricted-Use Licensing"](#), for details on the restricted-use licenses.

You can also expand the basic Grid Control functionality; see [Chapter 9, "Oracle Middleware Enterprise Management"](#).

1.3.2.2 Security Features

Oracle Application Server provides a number of features to ensure security between the client and the application server, and between the application server and the database.

1.3.2.2.1 Oracle Advanced Security Oracle Advanced Security ensures that communication over the Net8 Protocol is encrypted and secure. It also provides strong two-way authentication between the application server and the database. Oracle Advanced Security is installed with Oracle Application Server by default as part of a "secure by default" design, and to ensure that the client components required to enable secure communication and strong authentication between the application server and an Oracle database are present by default. However, if you want to use Oracle Advanced Security, you must license it separately with the Oracle database with which the application server communicates.

1.3.2.2.2 Oracle Identity Management Oracle Identity Management is an integrated infrastructure that Oracle products rely on for distributed security. The Oracle Identity Management infrastructure includes the following components:

- **Oracle Internet Directory** is an LDAP-compliant directory service implemented on the Oracle Database.
- **Oracle Directory Integration Platform**, part of Oracle Internet Directory, permits synchronization between Oracle Internet Directory and other directories, user repositories, automatic provisioning services, and applications.
- **Oracle Delegated Administration Services**, part of Oracle Internet Directory, provides trusted proxy-based administration of directory information by users and application administrators.
- **Oracle Application Server Single Sign-On** provides single sign-on access to Oracle and third-party Web applications.
- **Oracle Application Server Certificate Authority** generates and publishes X.509 certificates to support PKI-based (strong) authentication methods.

While Oracle Identity Management is designed to provide an enterprise infrastructure for Oracle products, it may also serve as a general-purpose identity management solution for user-written and third-party applications. Oracle Identity Management provides an enterprise-wide identity management platform for third-party applications, hardware, and network operating systems.

Oracle Identity Management is included with Oracle Internet Application Server Enterprise Edition.

A restricted use license for some of the Oracle Identity Management features is included with the application server for specific purposes. Refer to [Section 1.3.3, "Restricted-Use Licensing"](#), for more information.

1.3.2.3 High Availability Features

Oracle Application Server has several high availability features that require special licensing considerations. These considerations are similar to the licensing considerations for the high availability features of the Oracle Database. These considerations can be divided into two categories: high availability for Oracle Application Server middle-tier instances and high availability for Oracle Application Server Infrastructure.

1.3.2.3.1 High Availability Considerations for Oracle Application Server Middle-Tier Instances

There are several ways that you can make Oracle Application Server middle-tier instances highly available. Each of these high availability models has specific licensing implications:

- **Backup:** In this type of recovery, Oracle Application Server instance data/files of the primary server are stored on storage devices, such as tape media, and customers are **not** required to purchase additional licenses.
- **Failover (also known as Active/Passive or Cold Failover Cluster):** In this type of recovery, Oracle Application Server nodes are configured in "Active/Passive Cluster"; the first installed node acts as a primary node. If the primary node fails, one of the nodes in the cluster acts as the primary node. In this type of environment Oracle permits licensed Oracle Application Server customers to run the Oracle Application Server on an unlicensed spare computer for up to a total of ten separate days in any given calendar year. Any other use requires the environment to be fully licensed. Additionally, the same metric (i.e., processor-based, or named user based) must be used when licensing the Oracle Application Server in a failover environment.
- **Remote Mirroring:** This method involves copying the Oracle Application Server software to the secondary site and copying the changes in the primary Oracle Application Server configuration and data to the secondary site. This can be accomplished through techniques such as storage based remote mirroring or host based mirroring. In the event of a failure at the primary site, the Oracle Application Server on the secondary site is run using the remote storage. In this environment, Oracle Application Server must be fully licensed at the primary site, and if it is ever installed and/or run at the secondary site, it must also be fully licensed there. Additionally, the same metric (i.e., processor-based, or named user based) must be used to license both Oracle Application Server clusters.

1.3.2.3.2 High Availability Considerations for Oracle Internet Application Server 10g Release 2

Oracle Application Server Infrastructure is an installation type that provides centralized product metadata and security services, configuration information, and data repositories for middle-tier installations. The middle-tier instances typically use the Infrastructure for three main functions:

- **Product Metadata Storage:** Middle tier instances can use Oracle Application Server Metadata Repository as a centralized component repository and leverage it for product metadata lookups. All of the product metadata that the Oracle Application Server middle-tier instances require is bundled as part of the infrastructure.

- **Identity Management:** Identity Management provides a consistent security and identity management model for all Oracle Application Server applications. It serves as a single source of security metadata containing all administration and user privileges. Middle tier components use the Identity Management components (Oracle Internet Directory, OracleAS Single Sign-On, Oracle Delegated Administration Services, Oracle Directory Integration Platform, and OracleAS Certificate Authority) to increase security, centralize authentication services, and manage passwords.
- **Configuration Management:** The Distributed Configuration Management (DCM) tool stores information in the metadata repository for most installation types. For cluster management, DCM can use either a file-based or database-backed repository.

There are several availability models that you can use with Oracle Application Server Infrastructure: Oracle Application Server Cold Failover Clusters and Oracle Application Server Disaster Recovery. Each of these high availability models has specific licensing implications:

- **Backup:** In this type of recovery, Oracle Application Server instance data/files of the primary server are stored on storage devices, such as tape media, and customers are **not** required to purchase additional licenses.
- **Failover (also known as Active/Passive or Cold Failover Cluster):** In this type of recovery, Oracle Application Server nodes are configured in "Active/Passive Cluster"; the first installed node acts as a primary node. If the primary node fails, one of the nodes in the cluster acts as the primary node. In this type of environment Oracle permits licensed Oracle Application Server customers to run the Oracle Application Server on an unlicensed spare computer for up to a total of ten separate days in any given calendar year. Any other use requires the environment to be fully licensed. Additionally, the same metric (i.e., processor-based, or named user based) must be used when licensing the Oracle Application Server in a failover environment.
- **Remote Mirroring:** This method involves copying the Oracle Application Server software to the secondary site and copying the changes in the primary Oracle Application Server configuration and data to the secondary site. This can be accomplished through techniques such as storage based remote mirroring or host based mirroring. In the event of a failure at the primary site, the Oracle Application Server on the secondary site is run using the remote storage. In this environment, Oracle Application Server must be fully licensed at the primary site, and if it is ever installed and/or run at the secondary site, it must also be fully licensed there. Additionally, the same metric (i.e., processor-based, or named user based) must be used to license both Oracle Application Server clusters.
- **Oracle Application Server Disaster Recovery with Oracle Application Server Guard:** For disaster recovery purposes, Oracle Application Server licenses are required for both the active and standby application servers. There are no failover days included in the Oracle Internet Application Server license for the active node. Disaster Recovery through OracleAS Guard is available with Oracle Internet Application Server Enterprise Edition only.

Since Oracle Internet Application Server 10g Release 2 does not include some of the Enterprise Edition components, if you license Enterprise Edition to get OracleAS Guard, some components will be from Oracle Internet Application Server 10g Release 2 and Oracle Internet Application Server 10g Release 3.

1.3.2.4 Adapters

See [Chapter 3, "Oracle Fusion Middleware Adapters"](#) for a description of Fusion Middleware Adapters. Technology adapters are included in all Oracle Internet Application Server editions. Other adapters require separate licensing.

1.3.2.5 Oracle Business Rules

Oracle Business Rules, including the Rules Author, Rules SDK, and Rules Engine, is included with Oracle Internet Application Server Standard Edition. Since Oracle Internet Application Server 10g Release 3 does not include some of the Standard Edition components, if you license Standard Edition to get Oracle Business Rules, some components will be from Oracle Internet Application Server 10g Release 2.

1.3.2.6 Oracle JRockit

Note the following Oracle JRockit considerations:

1.3.2.6.1 Oracle JRockit JDK Oracle JRockit JDK provides tools, utilities, and a complete runtime environment for developing and running applications using the Java programming language. The JDK includes the Oracle JRockit Java Virtual Machine (JVM), which is optimized for Intel architectures and is designed to provide reliability, scalability, and manageability for server-side Java applications. Oracle JRockit JVM is included in all Oracle Internet Application Server editions. JRockit JDK is restricted to running applications hosted on components within these products.

1.3.2.6.2 Oracle JRockit Real Time Oracle JRockit Real Time provides lightweight, front-office infrastructure for low latency, event-driven applications.

Oracle JRockit Real Time is licensed under the name Oracle WebLogic Real Time within the WebLogic suite. Oracle WebLogic Real Time is a license of JRockit Real Time that is limited to running WebLogic Server and the Java EE applications hosted on it.

1.3.2.6.3 Oracle JRockit Mission Control Oracle JRockit Mission Control is a diagnostics tool that enables sophisticated problem analysis, performance tuning, and monitoring of the Oracle JRockit JVM. Oracle JRockit Mission Control is licensed as part of the Diagnostics Pack for Oracle Middleware and is not included in any Oracle Internet Application Server editions. For more information about the Diagnostics Pack for Oracle Middleware, see the chapter "Oracle Middleware Enterprise Management" in the *Oracle Enterprise Manager Licensing Information* document.

1.3.3 Restricted-Use Licensing

The following restricted-use licenses are included with Oracle Internet Application Server in the editions and products indicated:

1.3.3.1 Oracle Enterprise Manager 10g Grid Control

- Oracle Application Server is provided only for hosting the Oracle Management Service.
- Oracle Database is provided only for hosting the Oracle Management Repository.
- Oracle Database and Oracle Application Server high availability and disaster recovery features are provided only for use with the components of Oracle Application Server and Oracle Database that support Oracle Management Service and Oracle Management Repository.

1.3.3.2 Standard Edition and Standard Edition One

- Oracle Application Server Single Sign-On is provided only for use with Oracle Application Server Portal.
- Oracle Internet Directory is provided for use with Oracle Application Server Single Sign-On and with other application server components to provision, store, and manage users and groups, their associated security credentials and privileges; to synchronize data with third party directory services; and to store other component-specific metadata.
- Oracle Workflow is provided for use with Oracle Content Management Software Development Kit only.
- Oracle Advanced Security Option is included, with use limited strictly to the Oracle Java SSL Library.
- The Oracle Database (Standard Edition or Standard Edition One) is provided only for use with the Oracle Application Server Metadata Repository for storing product metadata.

Notes: During installation, you can choose to install the product metadata into an existing, licensed database. Choosing this option has the following licensing implications:

- The restricted use license does not apply to the use of the existing database as a metadata repository.
 - If the machine on which your existing database is running does not run any other Oracle Application Server installations, there is no Oracle Internet Application Server license requirement for that machine.
 - Installing the metadata repository into your existing database may increase the number of users accessing that database, and may thus affect your database license needs. You need to make sure that you have the appropriate number of database licenses to ensure compliance.
-

1.3.3.3 Enterprise Edition

- Oracle Advanced Security Option is included, with use limited strictly to the Oracle Java SSL Library.
- Oracle Workflow is provided for use with Oracle Content Management Software Development Kit and Oracle Application Server Integration only.
- The Oracle Database (Enterprise Edition) is provided only for use with the Oracle Application Server Infrastructure for storing product metadata.

Notes: During installation, you can choose to install the product metadata into an existing, licensed database. Choosing this option has the following licensing implications:

- The restricted use license does not apply to the use of the existing database as a metadata repository.
 - If the machine on which your existing database is running does not run any other Oracle Application Server installations, there is no Oracle Internet Application Server license requirement for that machine.
 - Installing the metadata repository into your existing database may increase the number of users accessing that database, and may thus affect your database license needs. You need to make sure that you have the appropriate number of database licenses to ensure compliance.
-

1.3.3.4 Oracle Database License Requirements: Oracle Internet Application Server (Standard Edition, Standard Edition One, Enterprise Edition) and WebLogic Suite

Storing any data other than product metadata in the Oracle Application Server Infrastructure database requires a full use license of the Oracle Database (Standard Edition, Standard Edition One, or Enterprise Edition).

1.3.3.4.1 Full Use License of Oracle Database Standard Edition or Standard Edition One Some examples of the kinds of data that require the purchase of a full use license for the Oracle Database Standard Edition or Standard Edition One include:

- Documents or any other objects stored in the Oracle Database under Oracle Content Management SDK
- Documents or any kind of content stored in the Portal Repository
- Any Oracle Workflow processes, transformations, or Oracle Application Server Integration B2B or InterConnect data
- Any BPEL Process Manager process instance data, which includes using Oracle Database as the dehydration store
- Any LDAP data related to the use of Oracle Internet Directory as a general purpose LDAP directory
- Any other custom data that is created or updated by an application

1.3.3.4.2 Full Use License of Oracle Database Enterprise Edition Three kinds of data require the purchase of a full use license of the Oracle Database Enterprise Edition:

- Predictive models or populating the Oracle Application Server Personalization Mining Table Repository (MTR)
- Any Oracle Application Server Portal that leverages the VPD functionality of the database for hosting
- Any LDAP data related to the use of an Oracle Internet Directory LDAP Directory, and directory replication is used

1.3.3.4.3 When is a Full Use License of Oracle Database Not Required? The following scenarios do not require the purchase of a full use license of the Oracle Database when you purchase Oracle Internet Application Server:

- If you are only using Oracle Application Server Web Cache
- If you are using Oracle Business Intelligence Discoverer only against a non-Oracle database
- If you are using Oracle Application Server Reports Services only against a non-Oracle database
- If you are using Oracle Containers for J2EE (OC4J), either without clusters or clustered using a file-based repository, against a non-Oracle database

1.3.4 General Licensing Information

Oracle Internet Application Server Standard Edition, Oracle Internet Application Server Standard Edition One, and Oracle Internet Application Server Enterprise Edition can be licensed with the Named User Plus metric and/or the Processor metric.

1.4 Oracle Coherence

Oracle Coherence is an in-memory data grid solution that enables you to scale applications by providing fast access to frequently used data.

This section contains the following subsections:

- [Section 1.4.1, "Oracle Coherence Standard Edition"](#)
- [Section 1.4.2, "Oracle Coherence Enterprise Edition"](#)
- [Section 1.4.3, "Oracle Coherence Grid Edition"](#)
- [Section 1.4.4, "Oracle Coherence Real Time Client"](#)
- [Section 1.4.6, "Feature Availability"](#)

1.4.1 Oracle Coherence Standard Edition

Oracle Coherence Standard Edition is used for data caching and sharing clustered data used by applications. It is intended for small-scale deployments.

1.4.2 Oracle Coherence Enterprise Edition

Oracle Coherence Enterprise Edition is intended for medium- to large-scale deployments. It provides features such as distributed data management for line of business applications, multicast-free operation (using well-known address, or WKA), and integration with Oracle Application Server (or other application servers).

1.4.3 Oracle Coherence Grid Edition

Oracle Coherence Grid Edition is a shared enterprise-wide data services platform. It is typically deployed as a separate tier or as a core infrastructure piece in large-scale deployments. Oracle Coherence Grid Edition focuses on real-time analytics, transaction management, event infrastructure, and sophisticated application data caching implementations.

Oracle Coherence Grid Edition also features a clustered shared service (for computation and transaction processing) that multiple heterogeneous clients can access.

1.4.4 Oracle Coherence Real Time Client

Oracle Coherence Real Time Client enables Java, Java EE, and .NET applications to connect to a data grid running Oracle Coherence Grid Edition. Oracle Coherence Real Time Client provides clients with full access to the information and services of the data grid and acts as a bridge for platform and language interoperability. Oracle Coherence Real Time Client is also designed to provide continuous updates of data from the backend grid to the client.

Oracle Coherence Real Time Client includes TCP clients (.NET, Java, C++) as well as TCMP clients (full cluster membership, but storage disabled).

Oracle Coherence Real Time Client is part of Oracle Coherence Grid Edition. When you license Oracle Coherence Grid Edition you get unlimited Oracle Coherence Real Time Clients.

1.4.5 Oracle JRockit with Oracle Coherence

Oracle JRockit JDK is included in all licenses of Oracle Coherence Standard Edition, Oracle Coherence Enterprise Edition, Oracle Coherence Grid Edition. JRockit JDK is restricted to running applications hosted on components within these products.

1.4.6 Feature Availability

[Table 1–9](#) lists the features available in each Oracle Coherence edition.

Table 1–9 Mapping Features to Editions

Category	Feature	Standard Edition	Enterprise Edition	Grid Edition
General	Distributed data caching (TCMP)	✓	✓	✓
General	Full data services, including write-behind, transactions, analytics, and events		✓	✓
General	Heterogeneous client support			✓
Connectivity	Data Clients included	✓	✓	✓
Connectivity	TCMP cluster technology	✓	✓	✓
Connectivity	Multicast-free operation (WKA)		✓	✓
Management and Monitoring	Management host	✓	✓	✓
Management and Monitoring	Manageable via clustered JMX		✓	✓
Caching	Local cache, near cache, continuous query cache, real-time events	✓	✓	✓
Caching	Fully replicated data management	✓	✓	✓
Caching	Partitioned data management	✓	✓	✓
Caching	Data source integration via read-through/write-through caching	✓	✓	✓
Integration	Hibernate and TopLink integration	✓	✓	✓

Table 1–9 (Cont.) Mapping Features to Editions

Category	Feature	Standard Edition	Enterprise Edition	Grid Edition
Integration	HTTP session management for application servers		✓	✓
Analytics	Parallel InvocableMap and QueryMap		✓	✓
Transactions	Write-behind caching		✓	✓
Transactions	J2CA resource adapter		✓	✓
Transactions	TransactionMap support		✓	✓
Compute Grid	InvocationService		✓	✓
Compute Grid	WorkManager		✓	✓
Enterprise Data Grid	WAN support		✓	✓
Enterprise Data Grid	Real Time Client connectivity			✓
Enterprise Data Grid	.NET support			✓

1.5 WebLogic Application Grid

WebLogic Application Grid includes all of the following product editions:

- Oracle Coherence Grid Edition
Oracle Coherence Grid Edition provides application data management, fault tolerant data caching, data management, write-behind, transactions, analytics and events. For license details, see [Section 1.4, "Oracle Coherence"](#).
- Oracle WebLogic Operations Control
Oracle WebLogic Operations Control enables centralized governance and control, dynamic activation, and service level management of Coherence.
- Oracle JRockit Real Time
Oracle JRockit Real Time provides high performance, low latency JDK with deterministic garbage collection for Java applications running on Coherence Grid Edition.
- Enterprise Manager Diagnostics Pack
Enterprise Manager Diagnostics Pack ensures high availability of mission-critical applications by reducing the complex tasks of diagnosing and correcting application performance problems, lowering the costs of managing web-based applications spanning multiple systems.
- Oracle Enterprise Manager Management Pack for Oracle Coherence
This Enterprise Manager Management Pack provides monitoring, administration, and provisioning capabilities for Oracle Coherence.

Note: WebLogic Application Grid does not include WebLogic Server.

1.5.1 Installation Programs for WebLogic Application Grid

The installation programs for WebLogic Application Grid include:

- Oracle Coherence Grid Edition. See *Installing Oracle Coherence*.
- Oracle WebLogic Operations Control. See *Oracle WebLogic Operations Control Installation Guide*.
- Oracle JRockit. See *Welcome to Oracle JRockit*.
- Enterprise Manager Diagnostics Pack. If you have purchased a WebLogic Application Grid license, you can get more information from <http://edelivery.oracle.com>.
- Oracle Enterprise Manager Management Pack for Coherence. If you have purchased a WebLogic Application Grid license, you can get more information from <http://edelivery.oracle.com>.

1.5.2 Oracle JRockit with WebLogic Application Grid

Note the following Oracle JRockit considerations:

1.5.2.1 Oracle JRockit JDK

Oracle JRockit JDK provides tools, utilities, and a complete runtime environment for developing and running applications using the Java programming language. The JDK includes the Oracle JRockit Java Virtual Machine (JVM), which is optimized for Intel architectures and is designed to provide reliability, scalability, and manageability for server-side Java applications.

JRockit JDK is restricted to running applications hosted on components within these products.

1.5.2.2 Oracle JRockit Real Time

Oracle JRockit Real Time provides lightweight, front-office infrastructure for low latency, event-driven applications.

The WebLogic Application Grid packaging provides a full use license of JRockit Real Time per server processor licensed.

1.5.2.3 Oracle JRockit Mission Control

Oracle JRockit Mission Control is a diagnostics tool that enables sophisticated problem analysis, performance tuning, and monitoring of the Oracle JRockit JVM. Oracle JRockit Mission Control is licensed as part of the Diagnostics Pack for Oracle Middleware and is included in WebLogic Application Grid. For more information about the Diagnostics Pack for Oracle Middleware, see the chapter "Oracle Middleware Enterprise Management" in the *Oracle Enterprise Manager Licensing Information* document.

1.6 BPEL Process Manager

Oracle BPEL Process Manager enables enterprises to model, deploy, and manage BPEL (Business Process Execution Language) processes. It includes a BPEL business process modeler, a scalable BPEL runtime engine, an extensible WSDL binding framework, and a monitoring console.

Oracle BPEL Process Manager can be separately licensed as a standalone product or as an option to WebLogic Suite. It is also a component of the following suites:

- SOA Suite for Non Oracle Middleware
- SOA Suite for Oracle Middleware
- Business Process Management Suite for Non Oracle Middleware
- Business Process Management Suite

1.7 WebLogic Integration

Oracle WebLogic Integration is a comprehensive and flexible java-based solution that allows integrating systems, data, and people within and across companies to make the most of existing assets wherever they are. It includes standards-based connectivity for all major packaged applications, support for best practice patterns, and a unified development environment designed to allow rapid construction of complex, transactional process scenarios. WebLogic Integration accelerates SOA initiatives by rapidly enabling corporate information and process integrations as a service to drive continued business innovation

Oracle WebLogic Integration is separately licensed as a standalone product.

1.8 Service Registry

Oracle Service Registry (OSR) provides a "DNS"-like reference for SOA. A fully compliant UDDI v3 registry, Oracle Service Registry provides a standards-based interface for SOA runtime infrastructure to dynamically discover and bind to deployed service end points. As part of the Oracle SOA Governance solution, Oracle Service Registry bridges the gap between the design time and runtime environments through automated synchronization with Oracle Enterprise Repository and Oracle SOA Suite.

Oracle Service Registry is separately licensed as a standalone product; however, OSR works together with Oracle Enterprise Repository, Oracle Web Services Manager, and Management Pack Plus for SOA to provide an enterprise-class SOA Governance solution.

Customers who licensed Oracle Internet Application Server (Java Edition, Standard Edition, or the Enterprise Edition), before August 8, 2008, continue to be licensed for the free 50 Service Registry entries. All Internet Application Server (any edition) licenses after August 8, 2008 do not contain these.

1.9 Enterprise Repository

The Oracle Enterprise Repository (OER) is a comprehensive repository that provides visibility into all SOA assets and their relationships to eliminate redundancy, promote reuse, and manage impact of change; end-to-end governance of the SOA lifecycle for risk reduction through automated, repeatable processes; and analytics that provide insight into the business value of SOA for better decision-making. Oracle Enterprise Repository includes a restricted use license to Oracle Business Process Management Suite for Non-Oracle Middleware to modify existing workflows that are supplied with OER and implement new Repository-centric workflows.

Oracle Enterprise Repository is separately licensed as a standalone product; however, OER works together with Oracle Service Registry, Oracle Web Services Manager, and Management Pack Plus for SOA to provide an enterprise-class SOA Governance solution.

1.10 Oracle Web Services Manager

Oracle Web Services Manager provides access management and access control for Web services.

The Oracle Web Services Manager option can be purchased as an option to any Oracle Internet Application Server edition.

1.11 SOA Suite for Non Oracle Middleware

Oracle SOA Suite is an integrated, best-in-class suite of products that helps you build, deploy, and manage deployments ranging from department-level to enterprise-wide systems. This 100% standards-based, hot-pluggable infrastructure interoperates with your existing IT investments. Many Oracle customers have succeeded in deploying high-volume, mission-critical SOA systems by leveraging the industry's best Service Bus and BPEL orchestration engine combined with Oracle's extensive connectivity options and renowned extreme-scalability on a grid computing infrastructure.

Oracle SOA Suite for Non-Oracle Middleware can be separately licensed, independent of any Oracle application server. Customers with other application servers, such as WebSphere, should license this version. Customers using Oracle Application Server or WebLogic Server should use Oracle SOA Suite for Oracle Middleware ([Section 2.3, "SOA Suite for Oracle Middleware"](#)). The suite includes:

- Oracle BPEL Process Manager (see [Section 1.6, "BPEL Process Manager"](#))
- Oracle Enterprise Service Bus

Oracle Enterprise Service Bus (OESB) was introduced with the 10.1.3.1 release of the SOA Suite and remains our primary ESB on OC4J as well as on 3rd-party Java EE platforms such as WebSphere.
- Oracle Business Activity Monitoring

Oracle Business Activity Monitoring (BAM) gives business executives the ability to monitor their enterprise business services in real-time and to correlate their KPIs (key performance indicators) to the actual business process. Oracle BAM also provides users the ability to change the business processes and take corrective action if the business environment changes. Oracle BAM is a complete solution for building real-time operational dashboards, monitoring and alerting applications over the web.
- Oracle Web Services Manager

Oracle Web Services Manager provides management, monitoring, and enforcement of WS-Policy, WS-RM & QOS Policies.
- Oracle Business Rules

Oracle Business Rules is a high performance light-weight business rules product that delivers agility and enables businesses to change their key decisions and policies rapidly, flexibly, and with confidence. Oracle Business Rules is seamlessly integrated with Oracle BPEL PM and rest of the SOA stack.
- Oracle Complex Event Processing (see [Section 1.14, "Event-Driven Architecture Suite"](#))
- JDeveloper and ADF

Oracle JDeveloper is a free integrated enterprise development environment with end-to-end support for modeling, developing, debugging, optimizing, and deploying Java based SOA applications. Oracle JDeveloper introduces a new

approach to Java EE development with features that enable visual and declarative development. The innovative Oracle Application Development Framework (ADF) simplifies Java EE development. Oracle JDeveloper's "productivity with choice" offers a choice of development approach, technology scope, and deployment platform.

- **Adapters**

See [Chapter 3, "Oracle Fusion Middleware Adapters"](#) for a description of Fusion Middleware Adapters. Technology adapters are included in the SOA Suite license. Others require separate licensing.

1.12 Business Process Management Suite for Non Oracle Middleware

Oracle Business Process Management Suite (BPM Suite) is a software suite that integrates the modeling, integration, execution, management and monitoring of business processes into a complete lifecycle that supports rapid change. It enables the creation, execution, and optimization of business processes, providing for unparalleled collaboration between business and IT. As a result, business processes are automated and optimized to improve efficiency and agility while costs are lowered. Oracle Business Process Management leverages your existing IT investments and is specially tuned for line-of-business users. Using Oracle Business Process Management, you can improve productivity and visibility and provide your organization with the ability to respond to market needs like never before.

The Oracle Business Process Management suite comprises the following components:

- **Oracle BPM**

Oracle BPM is the rebranded Aqualogic BPM product from BEA. This product is in a category commonly referred to as "pure-play BPM" and specializes in business user driven human-centric BPM initiatives. Oracle BPM includes a modeling environment that supports business and IT, a run-time server, and a workspace application for end user interactions. It supports Business Process Modeling Notation (BPMN) and XML Process Definition Language (XPDL) standards.

- **Oracle BPEL Process Manager**

Oracle BPEL PM is a leading implementation of the Business Process Execution Language (BPEL). This product is especially strong in system-centric BPM processes, being built upon a robust service-oriented architecture. It includes a BPEL editor housed within JDeveloper, a BPEL run-time server, and a worklist application for end user interactions.

- **Oracle Business Rules**

Oracle Business Rules is an inference capable declarative rules engine that enables externalization of rules and policies processes and applications. It includes an authoring environment and run-time server.

- **Oracle Business Activity Monitoring**

Oracle Business Activity Monitoring (BAM) is a complete solution for building real-time operational dashboards, monitoring and alerting applications over the web. It enables customers to monitor business processes and their emanating events to understand the impact on the Key Performance Indicators affecting their business.

- **Oracle WebCenter Suite (restricted use: for use with Process Portal only)**

Oracle Web Center suite is a user interaction suite for building portals, composite applications, and Enterprise 2.0 social and collaborative applications with seamless combination of search, publishing, and knowledge management. It also includes the Web Center Interaction product, which is the rebranded Aqualogic User Interaction (ALUI) product. Oracle BPM and Web Center Interaction have extensive integration and were offered together as Aqualogic BPM Collaboration Edition by BEA.

An integral part of the Oracle Business Process Management platform, though not included in BPM Suite, is [Oracle Business Process Analysis Suite](#) (Oracle BPA Suite). Oracle BPA Suite is a modeling and analysis tool targeted at business analysts. It supports rigorous process methodologies such as Six Sigma and hierarchical process modeling including value-chain diagrams, ultimately decomposing down to BPMN models. These BPMN models are shared with the BPEL editor, including full bidirectional synchronization, for seamless round trip design. BPA Suite also includes rich analysis, simulation, and reporting.

1.13 Oracle Business Process Analysis Suite

Oracle BPA Suite is a modeling and analysis tool targeted at business analysts. It supports rigorous process methodologies such as Six Sigma and hierarchical process modeling including value-chain diagrams, ultimately decomposing down to BPMN models. These BPMN models are shared with the BPEL editor, including full bidirectional synchronization, for seamless round trip design. BPA Suite also includes rich analysis, simulation, and reporting.

Although it is not included in the Oracle BPM Suite package, Oracle BPA Suite is an integral part of the Oracle Business Process Management platform.

1.14 Event-Driven Architecture Suite

The EDA Suite is a differentiated suite of Oracle integration products focused on meeting the event-driven application development needs of developers defining front-office applications that require low latency, high throughput and deterministic processing of data or event streams.

The Event-Driven Architecture Suite includes:

- Oracle Complex Event Processing (CEP)

Oracle CEP (formerly BEA's WebLogic Event Server) is the first and only Java server for the development of high-performance event driven applications. It is a lightweight Java application container built from the ground up, based on Equinox OSGi, with shared services, including a powerful Complex Event Processing (CEP) service, which provides a rich, declarative environment to improve the efficiency and effectiveness of managing business operations. CEP detects patterns in the flow of events, often based on filtering, correlation, and aggregation across event sources and includes industry leading temporal and ordering capabilities. It supports ultra-high throughput (1 million/sec++) and microsecond latency.
- Oracle Business Activity Monitoring

Oracle Business Activity Monitoring (BAM) is a complete solution for building real-time operational dashboards, monitoring and alerting applications over the web. It enables customers to monitor business processes and their emanating events to understand the impact on the Key Performance Indicators affecting their business.

- Oracle Enterprise Service Bus (see [Section 1.11, "SOA Suite for Non Oracle Middleware"](#))

- Oracle Business Rules

Oracle Business Rules is an inference capable declarative rules engine that enables externalization of rules and policies processes and applications. It includes an authoring environment and run-time server.

- JRockit JVM
- Enterprise Messaging

The EDA Suite is separately licensed as a standalone product, however high-performance deployments of Oracle CEP will require WebLogic Application Grid for optimally low latency.

1.15 Oracle Forms and Reports

Oracle Forms and Reports can be separately licensed, independent of any Oracle Internet Application Server edition.

When you license it independently, Oracle Forms and Reports includes:

- Oracle Forms
- Forms client applet
- Forms Runtime
- Oracle Reports
- Oracle Enterprise Manager 10g Application Server Control

1.15.1 Restricted-Use Licenses

The following restricted-use licenses are included when you separately license Oracle Forms:

- Oracle Internet Directory is provided to provision, store, and manage Oracle Forms and Reports users and groups, their associated security credentials and privileges, to synchronize data with third party directory services, and to store other metadata specific to Oracle Forms and Reports.
- Oracle Application Server Single Sign-On is provided for authentication services to users accessing Oracle Forms and Reports.
- Oracle HTTP Server and its modules are provided for running Oracle Forms and Reports applications only.
- Oracle Containers for J2EE (OC4J) is provided for running Oracle Forms and Reports applications only.

1.16 Oracle Data Service Integrator

Oracle Data Service Integrator provides the ability to create canonical data service components for SOA, perform federated query capabilities from databases, web services and other sources, and execute multi-target database updates. Oracle Data Service Integrator supplies fine-grained security with data redaction, and is natively accessible from the Oracle Service Bus product.

Oracle Data Service Integrator is separately licensed as a standalone product.

Oracle Data Service Integrator includes restricted use Oracle WebLogic Server Enterprise Edition as host for only Oracle Data Service Integrator, including run-time components to provide Java runtime environment and HTTP support, as well as configuration and administration components used for the setup and management of these run-time components.

1.17 Oracle Data Profiling

Oracle Data Profiling enables business users to assess the quality of their data through metrics, to discover or infer rules based on this data, and to monitor the evolution of data quality over time.

Oracle Data Profiling has a prerequisite requirement that the license holder also owns a valid license for Oracle Data Integrator.

1.18 Oracle Data Integration Suite

Oracle Data Integration Suite is comprehensive software bundle for enabling scalable, highly-accessible data integration in any heterogeneous data environment. It can be separately licensed, independent of any Oracle Internet Application Server edition. Oracle Data Integration Suite includes:

- Oracle Data Integrator Enterprise Edition
- Oracle Data Relationship Management (up to maximum of 2,000 records per processor).

1.18.1 Restricted-Use Licenses

Oracle Data Integration Suite includes restricted use licences for the following components:

- Oracle WebLogic Suite is included as host for only ODI Suite components including run-time components to provide Java runtime environment as well as configuration and administration components used for the setup and management of these run-time components.
- Oracle BPEL Process Manager is included for use with Oracle Data Integrator and/or Hyperion Data Relationship Management as endpoints.
- Oracle Enterprise Service Bus is included for use with Oracle Data Integrator and/or Hyperion Data Relationship Management as endpoints.

1.19 Oracle Data Integrator Enterprise Edition

Oracle Data Integrator Enterprise Edition is a comprehensive software package for enabling scalable data integration in heterogeneous data environments. Oracle Data Integrator Enterprise Edition is separately licensed independent of any Oracle Internet Application Server edition or Oracle Business Intelligence Server Enterprise Edition or Oracle Business Intelligence Suite Enterprise Edition.

Oracle Data Integrator Enterprise Edition includes the following components:

- Oracle Data Integrator (ODI) - ODI is a heterogeneous platform for data integration that includes design time components for modelling and mapping, and run-time components for executing bulk data movement and transformation. ODI includes Job Scheduler Services, Changed Data Capture components, and a

complete set of Knowledge Modules for access to an unlimited number of Source technologies.

- Oracle Warehouse Builder Enterprise ETL (OWB-EE) - OWB-EE is an enterprise class data integration platform for the Oracle Database that includes design time components for modelling and mapping, run-time components for executing bulk data movement and transformation, and administration components for managing the metadata repository.

Oracle Warehouse Builder Enterprise ETL extends the Oracle Database ETL features and includes the following functionality:

- Accessing sources and targets
 - Native support for heterogeneous databases, including the definition of new platform types, JDBC connectivity, knowledge modules, and code templates
 - Publishing and consuming web services, including integrating with process orchestration technologies such as Oracle BPEL Process Manager
 - Importing Cobol copybooks using the built-in wizard
 - Targeting XML files
- Working with dimensional objects
 - Creating slowly changing dimensions, types 2 and 3
 - Storing data in OLAP cube-organized materialized views
 - Defining orphan management policies
- Designing and executing ETL jobs
 - Right-time data warehousing utilizing queues and real-time mappings
 - Reusing and embedding mapping code with pluggable mappings
 - Specifying the load order of multiple targets in a single mapping
 - Partitioning and parallelizing updates to tables by utilizing the data chunking feature
 - Scheduling ETL jobs using the built-in Schedule interface
 - Using advanced process flows features (activity templates, use of the following activities: Assign, Set Status, For Loop, While Loop, Route, Notification, EJB, Java Class, and Webservice)
 - Designing mappings to handle complex types using the following operators: varray iterator, construct object, and expand object
 - Rapidly moving large amounts of data with transportable modules
 - Using spatial transformations and streams transformations
- Integrating with other products
 - Deploying metadata directly to Oracle Discoverer End User Layer
 - Deriving and deploying metadata to Oracle Business Intelligence Enterprise Edition
- Administering Warehouse Builder and its metadata repository
 - Managing environments, including promoting from development to test to production, using the multiple configurations functionality

- Interactively analyzing metadata lineage and impact and automatically propagating metadata change using the Metadata Dependency Manager
- Extending the metadata repository using the following: user-defined objects, user-defined associations, user-defined modules, creating icon sets and custom icons
- Hosting the OWB design repository in an Oracle Real Application Clusters (Oracle RAC) environment (executing in a RAC environment does not require this license)

For more information about Warehouse Builder functionality, see the Oracle Database 11.2 Documentation Library for Data Warehousing and Business Intelligence.

1.20 Oracle Data Quality for Data Integrator (Up to a Maximum of 100 Million Records)

Oracle Data Quality for Data Integrator is a comprehensive data quality platform that enables data standardization, match, merge, de-duplication, householding and name and address cleansing.

Data Quality for Data Integrator is licensed using the Per Processor metric for up to a maximum of 100 million records per calendar year. Records are to be any distinct non-duplicated set of related data attributes identified by a unique key that are cleansed in the production environment.

One Oracle Data Quality Rules rule set is included in the Data Quality for Data Integrator (up to a maximum of 100 million records) license. Each additional rule set must be licensed separately.

Oracle Data Profiling has a prerequisite requirement that the license holder also owns a valid license for Oracle Data Integrator.

1.21 Oracle Data Quality for Data Integrator (for Greater than 100 Million Records)

Oracle Data Quality for Data Integrator (for greater than 100 Million Records) allows usage of Oracle Data Quality for Data Integrator over 100 million records per year. It is licensed using the Per 1000 Records metric. Records are to be any distinct non-duplicated set of related data attributes identified by a unique key that are cleansed in the production environment.

Data Quality for Data Integrator (for greater than 100 Million Records) has a prerequisite requirement that the license holder also owns a valid license for Oracle Data Integrator.

1.22 Oracle Data Quality Rules for Data Integrator

Oracle Data Quality Rules for Data Integrator provide a set of pre-defined cleansing rules that extend Oracle Data Quality for Data Integrator capabilities explicitly for name and address cleansing for one or more countries.

Each Oracle Data Quality Rules for Data Integrator license gives the holder the capability to use these rules for one given country.

Rule Sets are available for the following countries and each Rule Set is licensed separately: Argentina, Australia, Austria, Belgium, Brazil, Brunei Darussalam, Canada, Chile, Colombia, Denmark, France, Germany, Great Britain, Hong Kong, India,

Ireland, Italy, Jamaica, Malaysia, Mexico, Netherlands, New Zealand, Peru, Philippines, Portugal, Saudi Arabia, Singapore, South Africa, Spain, Sweden, Switzerland, United Arab Emirates, United States, Venezuela.

1.23 Oracle Application Adapters for Data Integration

Oracle Application Adapters for Data Integration provide specific software components for reverse-engineering metadata from, and extracting bulk data from various ERP software applications. Each unique Application Adapter for Data Integration is licensed separately, but must be used with Oracle Data Integrator Enterprise Edition and the Data Integrator component.

Application Adapters for Data Integration are available for PeopleSoft, JD Edwards, E-Business Suite, Siebel, and SAP Applications. Each Application Adapter for Data Integration is licensed separately.

1.24 Oracle Application Adapters for Warehouse Builder

Oracle Application Adapters for Warehouse Builder provide specific software connectors for reverse-engineering metadata from, and extracting bulk data from various ERP software applications. Each unique Application Adapter for Warehouse Builder is licensed separately, but must be used with Oracle Data Integrator Enterprise Edition and the Oracle Warehouse Builder component.

Application Adapters for Warehouse Builder are available for PeopleSoft, SAP, Siebel, and E-Business Suite.

WebLogic Suite Options

This chapter covers licensing for SOA products. It contains the following sections:

- [Section 2.1, "BPEL Process Manager Option"](#)
- [Section 2.2, "Service Bus"](#)
- [Section 2.3, "SOA Suite for Oracle Middleware"](#)
- [Section 2.4, "Business Process Management Suite"](#)

2.1 BPEL Process Manager Option

BPEL Process Manager can be licensed as an option to WebLogic Suite.

For more information, see [Section 1.6, "BPEL Process Manager"](#).

2.2 Service Bus

Oracle Service Bus (OSB – formerly BEA's AquaLogic Service Bus) is a proven, lightweight SOA integration platform and a key component of the Oracle SOA Suite product family. OSB is designed for connecting, mediating and managing interactions between heterogeneous services, not just Web services, but also Java and .Net, messaging services and legacy endpoints.

OSB uniquely delivers the integration capabilities of an Enterprise Service Bus (ESB) with operational service management in a single product with an efficient, seamless user experience. With its flexible deployment options and automated integration with Oracle SOA Governance Suite, Oracle Service Bus is designed to handle the deployment, management and governance challenges of implementing Service-Oriented Architecture (SOA) from department to enterprise scale.

Oracle Service Bus is licensed as an option to WebLogic Suite and is also included in SOA Suite for Oracle Middleware.

2.3 SOA Suite for Oracle Middleware

This SOA Suite version is for customers running WebLogic or Oracle Application Server. The components are the same as SOA Suite for Non Oracle Middleware (see [Section 1.11, "SOA Suite for Non Oracle Middleware"](#)) with the addition of Oracle Service Bus (see [Section 2.2, "Service Bus"](#)) and B2B (see below).

Note: Oracle Business Rules is already included in Oracle Application Server Enterprise Edition, which is included in WebLogic Suite, which is a prerequisite for this suite.

- Oracle B2B

For an enterprise to extend business processes to its trading partners requires a well-defined architecture that addresses compliance, security, visibility, scalability, and standards. The Oracle SOA Suite provides this platform, enabling process orchestration, administration, monitoring, inter-enterprise connectivity and more. As an integral part of this architecture, Oracle B2B enables an enterprise to define, configure, manage, and monitor the exchange of information, electronically, with its trading partners.

Oracle B2B includes the B2B engine and the following adapters, which must be licensed separately for production use:

- RosettaNet Adapter
- EDI Adapter
- Healthcare Adapter
- ebXML Adapter

SOA Suite for Oracle Middleware is licensed as an option to WebLogic Suite.

2.4 Business Process Management Suite

Same as [Section 1.12, "Business Process Management Suite for Non Oracle Middleware"](#).

Note: Oracle Business Rules is already included in Oracle Application Server Enterprise Edition, which is included in WebLogic Suite, which is a prerequisite for this suite.

Oracle Fusion Middleware Adapters

This chapter covers licensing for Oracle Fusion Middleware adapters.

[Table 3–1](#) lists the types of integration adapters:

Table 3–1 Oracle Fusion Middleware Adapters

Application Adapters	Legacy Adapters	Changed Data Capture (CDC) Adapters	B2B Adapters	Technology Adapters
SAP	CICS	VSAM Batch	RosettaNet	File
PeopleSoft	IMS DB	Adabas	EDI	FTP
Siebel	IMS TM	DB2/390	Healthcare	JMS
Oracle Applications	VSAM	Microsoft SQL Server 2005	ebXML	Database
J. D. Edwards	Tuxedo	Microsoft SQL Server 2000		Advanced Queueing
		IMS/DB		MQ Series
		VSAM CICS		Socket

Technology adapters are included in the Oracle Internet Application Server and WebLogic Suite license upon which the Oracle SOA Suite has a licensing dependency. Other adapter types are licensed separately.

Financial Service adapters, along with Financial Message Designer, are separately licensed standalone products which interoperate with Oracle Service Bus. They are not JCA adapters like the other integration adapters. They include:

- SWIFT Adapter for Oracle Service Bus
- FIX Adapter for Oracle Service Bus
- Payments Adapter for Oracle Service Bus
- Derivatives Adapter for Oracle Service Bus

An additional separately licensed adapter, Enterprise Link for Business Activity Monitoring, is offered as an extension of the Oracle BAM product for customers who are looking to leverage Oracle BAM's embedded extract, transform and load (ETL) tooling. Enterprise Link is only one of five major ways to source data into Oracle BAM and is not required in all customer implementations. Customers who do not need Enterprise Link are any customers connecting to Oracle BAM only through BPEL PM Sensors or the web services API for Oracle BAM's Active Data Cache. Enterprise Link is required for all customers connecting to Oracle BAM through JMS queues or through query-based ETL updates. This includes customers who want to listen to JMS

messages in existing integration environments, transfer large data sets into BAM, or archive data out of the BAM Active Data Cache on a scheduled basis.

Oracle Tuxedo Licensing

This chapter describes licensing for Oracle Tuxedo and add-on products. It contains the following sections:

- [Section 4.1, "The Oracle Tuxedo Product Family"](#)

4.1 The Oracle Tuxedo Product Family

The Oracle Tuxedo product family comprises of following components:

Oracle Tuxedo: Oracle Tuxedo provides infrastructure for building C/C++/COBOL based, high performance, transactional applications in heterogeneous environment that extend from the Web to the Enterprise. Using Oracle Tuxedo, users can develop, manage, and deploy distributed applications independently of the underlying hardware, operating system, network, and database environment.

Tuxedo installer can be used to install various servers and clients components of Tuxedo as follows:

Server components:

- Oracle Application-to-Transaction Monitor Interface (ATMI) server software
- Oracle Common Object Request Broker Architecture (CORBA) C++ server software
- Oracle SALT
- Oracle Jolt server software
- Oracle SNMP Agent software
- Oracle Tuxedo Administration Console software
- Oracle TSAM Agent
- Link-Level Encryption (LLE) and Secure Sockets Layer (SSL) encryption software

Client components:

- Oracle ATMI Workstation (/WS) client software
- Oracle CORBA C++ client software—includes the C++ client Object Request Broker (ORB) and the environmental objects
- Oracle Jolt client software
- Tuxedo.NET Workstation client software
- LLE and SSL encryption software

Oracle Tuxedo installer can also be used to install Oracle Jolt, Oracle SALT and Oracle TSAM product components. Note that Oracle Tuxedo license does not allow use of these components. Each of these components (Oracle Jolt, Oracle SALT and Oracle TSAM) must be licensed separately as described below.

Oracle Jolt: Oracle Jolt provides Java-based client API to access the Oracle Tuxedo application services extending functionality of existing Tuxedo applications to Intranet- and Internet-wide availability. Jolt client API can be used in stand-alone mode or from within an application server, such as Oracle WebLogic server.

Oracle Service Architecture Leveraging Tuxedo (SALT): Oracle SALT enables access to Tuxedo services as Web services as well as enables Tuxedo applications to access Web services hosted outside of Tuxedo domain. SALT provides easy to use, configuration driven model, without requiring any programming.

Oracle Tuxedo System and Applications Monitor (TSAM): Oracle TSAM monitors system and application servers, application transactions and provides end-to-end performance data and relevant statistics. TSAM reports collected data, such as service response times, utilization, SLA violations, through a centralized web based console.

You must run a TSAM agent on each node that you want to monitor and manage through TSAM Manager. Each such agent must be licensed. You can run one or more instances of the TSAM Manager and its Console without any additional license.

Oracle Tuxedo Mainframe Adapters (SNA, TCP and OSITP): Tuxedo Mainframe Adapters provides bi-directional, transactional connectivity between Tuxedo and CICS/IMS services running on the IBM mainframes and/or Unisys mainframes. These adapters support automatic data conversion to and from HOST formats.

Oracle Business Intelligence

This chapter covers licensing for Oracle Business Intelligence products. It contains the following sections:

- [Section 5.1, "Oracle Business Intelligence Standard Edition"](#)
- [Section 5.2, "Oracle Business Intelligence Publisher"](#)

5.1 Oracle Business Intelligence Standard Edition

Note: Oracle Business Intelligence is available only for Oracle Application Server 10g Release 2 (10.1.2).

Oracle Business Intelligence can be separately licensed, independent of any Oracle Application Server edition. Oracle Business Intelligence is also included in Oracle Application Server Enterprise Edition.

When you license it independently, Oracle Business Intelligence includes:

- Oracle Business Intelligence Discoverer Plus
- Oracle Business Intelligence Discoverer Viewer
- Oracle Discoverer Administrator
- Oracle Business Intelligence Discoverer Portlet Provider
- Oracle Business Intelligence Beans
- Oracle Warehouse Builder
- Oracle Spreadsheet Add-in
- Oracle Enterprise Manager 10g Application Server Control
- Oracle Data Miner

In order to use the Oracle Business Intelligence offering, you must separately license Oracle Database Standard Edition (for use with Oracle Business Intelligence Discoverer Relational) or Oracle Database Enterprise Edition and the Oracle OLAP option (for use with Oracle Business Intelligence Discoverer OLAP).

In order to use the Oracle Spreadsheet Add-in, you only need to license Oracle Database Enterprise Edition with the Oracle OLAP option. You do not need to license the Oracle Business Intelligence offering.

5.1.1 Restricted-Use Licenses

The following restricted-use licenses are included when you separately license Oracle Business Intelligence:

- Oracle Internet Developer Suite is provided for use with Oracle Warehouse Builder and Discoverer Administrator only. Two Named User Plus licenses per Processor are provided.
- Oracle HTTP Server and its modules are provided for running Oracle Business Intelligence applications only.
- Oracle Containers for J2EE (OC4J) is provided for running Oracle Business Intelligence applications only.
- Oracle Advanced Security Option is included, with use limited strictly to the Oracle Java SSL Library.
- An Oracle Database (Standard Edition One, Standard Edition, or Enterprise Edition) is provided for use with Oracle Business Intelligence strictly for storing Oracle Business Intelligence Discoverer metadata.

Notes: During installation, you can choose to install the product metadata into an existing, licensed database. Choosing this option has the following licensing implications:

- The restricted use license does not apply to the use of the existing database as a metadata repository.
 - If the machine on which your existing database is running does not run any other Oracle Application Server installations, there is no Oracle Application Server license requirement for that machine.
 - Installing the metadata repository into your existing database may increase the number of users accessing that database, and may thus affect your database license needs. You need to make sure that you have the appropriate number of database licenses to ensure compliance.
-

5.2 Oracle Business Intelligence Publisher

Oracle Business Intelligence Publisher is a Java-based tool that allows users to convert XML into other document types, such as Adobe Acrobat and Microsoft Word.

5.2.1 Restricted-Use Licenses

The following restricted-use licenses are included when you separately license Oracle Business Intelligence Publisher:

- Oracle Containers for J2EE (OC4J) is provided for running Oracle Business Intelligence Publisher only.

Oracle WebCenter

This chapter describes licensing for Oracle WebCenter products. It contains the following sections:

- [Section 6.1, "The Oracle WebCenter Product Family"](#)
- [Section 6.1.1, "Restricted Use Licenses"](#)

6.1 The Oracle WebCenter Product Family

[Table 6–1](#) describes the functionality provided by each product in the Oracle WebCenter family:

Table 6–1 *Oracle WebCenter Product Family*

Product	Description	Included Features
WebLogic Portal	Complete J2EE Portal solution for transactional Web sites and enterprise portals.	■ WebLogic Portal
Oracle WebCenter Services	A rich collection of Web 2.0 services and features, including a J2EE portal framework.	■ WebCenter Framework ■ WebCenter Web 2.0 Services, including: - blogs - wikis - discussion forums ■ WebCenter Ensemble ■ WebCenter Analytics ■ GroupWare Portlets for Lotus Notes and Microsoft Exchange ■ BPEL Worklist ■ Oracle Portlet Bridge ■ JSR 168 Container ■ Universal Content Management adapter

Table 6–1 (Cont.) Oracle WebCenter Product Family

Product	Description	Included Features
Oracle WebCenter Suite	Bundles Oracle's solutions for transactional web sites, enterprise portals, team collaborative workspaces, and composite applications, providing a complete solution for customers seeking to implement these across the enterprise.	All WebCenter Services features, plus: ■ WebCenter Interaction ■ WebCenter Collaboration ■ WebLogic Portal ■ WebCenter Application Accelerator for .NET ■ WebCenter Console for Microsoft SharePoint ■ WebCenter Web Control Consumer for .NET ■ WebCenter Interaction Container for WSRP ■ WebCenter Content Services for Lotus Notes, Microsoft Exchange, EMC Documentum, and Microsoft Files ■ WebCenter Interaction Identity Service ■ Restricted use of Content Server ■ Restricted use of Secure Enterprise Search ■ Restricted use of Presence ■ Restricted use of BPEL Process Manager
WebCenter Adapter	Provides standardized access to enterprise systems.	Separately licensed adapters available for: ■ Microsoft SharePoint ■ IBM Lotus Domino ■ EMC Documentum

6.1.1 Restricted Use Licenses

The following restricted use licenses are available when you license WebCenter Suite:

- Secure Enterprise Search allows you to search and index any content stored in the content repository, as well as any page delivered as part of a WebCenter Suite application or portal. If a page includes portlets, the information delivered within the portlet can be indexed as part of the search results as well. However, if you want to search and index *all* of the information in the backend system that supplies portlet content, you will need a full-use license of Secure Enterprise Search.
- Universal Content Management Content Repository stores all content that is delivered as part of a WebCenter Suite application or portal. This includes base content management features, such as versioning and rendering different renditions of content, as well as indexing content in the repository for integration with search results within the portal or application. All interactions must be done through the WebCenter portal interface or Desktop integrations, with the

exception of the Universal Content Management (UCM) administration activities. Specific UCM components and features included are:

- Content Server
- JSR 170 interface for Content Server
- URM Adapter for Content Server
- Content Integration Suite
- Content Portlet Suite
- Desktop Integration Suite
- Dynamic Converter
- BPEL Process Manager is restricted to running existing deployed processes and responding to requests that require user input delivered inside of a WebCenter Suite application or portal. The modification of document BPEL processes included with the content repository can also be integrated with existing BPEL processes. The pre-built portlet, which enables viewing of a user's worklist items from any combination of backend BPEL servers, is also included. The creation of any new BPEL process that does not include content from the content repository requires a separate BPEL Process Manager license.
- Presence is used to indicate the availability of users within a WebCenter Suite application or portal. In addition, it allows for these users to use the SIP servlet to deliver presence in any type of application, including components to set up and tear down SIP-based calls. Oracle Communicator, which allows for instant messaging using text, voice, and video, is also included. Presence is restricted to 50,000 user entries per presence server. PSTN gateway components are not included and must be licensed separately.

Oracle Enterprise Content Management Products

This chapter describes Oracle's content management products and the features available with those products. It contains the following sections:

- [Section 7.1, "The Oracle Application Server Product Family"](#)
- [Section 7.2, "Oracle Database License Requirement"](#)
- [Section 7.3, "High Availability Considerations"](#)

7.1 The Oracle Application Server Product Family

The Oracle Application Server product family consists of several content management products. This section describes the functionality included in each of these products.

[Table 7-1](#) introduces the Oracle Application Server product family.

Table 7-1 Oracle Application Server Product Family

Product	Description	Included Features
Oracle Content Conversion Server	Oracle Content Conversion Server bundles several content conversion and publishing products that can be deployed separately from the Content Server that they support.	Digital Asset Management and Conversion: ■ Digital Asset Manager ■ Inbound Refinery ■ PDF Converter ■ TIFF Converter ■ XML Converter Publishing: ■ Connection Server ■ Content Publisher ■ Site Studio Publishing Utility Document Management: ■ Content Categorizer ■ Content Tracker ■ PDF Watermark ■ Report Parser ■ WebParts for Microsoft SharePoint Included Product: ■ JRockit JVM

Table 7–1 (Cont.) Oracle Application Server Product Family

Product	Description	Included Features
Oracle Distributed Document Capture	Oracle Distributed Document Capture provides a web-based document capture solution. It integrates with scanning hardware that is attached to the user's workstation, capturing images and metadata and then committing them to the configured ECM system.	■ Web Capture Server ■ Web Capture Client
Oracle Document Capture	Oracle Document Capture provides a set of capabilities for capturing and archiving documents into enterprise content management repositories. It integrates with scanners and fax servers to capture paper documents in addition to capturing email attachments and other electronic documents, provides the ability to index (capture metadata about the documents) either manually or through parsing bar code cover sheets and then commits them into the configured ECM system.	■ Scan for ISIS ■ Scan for Adrenaline ■ Index ■ Zonal and Ad-hoc OCR ■ Searchable PDF ■ Commit Server ■ Import Server ■ Recognition Server
Oracle E-Business Suite Adapter for Imaging and Process Management	Oracle E-Business Suite Adapter for Imaging and Process Management provides an integration between Oracle E-Business Suite and Oracle Imaging and Process Management , allowing related documents and workflow tasks to be easily accessed from Oracle E-Business Suite. The Oracle Imaging and Process Management license is not included with this adapter and needs to be purchased separately.	■ Oracle E-Business Suite Adapter for Imaging and Process Management ■ Application Extension Framework (AXF)
Oracle E-Mail Archive Service	Oracle E-Mail Archive Service is an email archiving solution for Microsoft Exchange, Lotus Notes, and SMTP email servers. E-mail Archive Service requires Oracle Universal Online Archive (UOA) and offers mailbox management, stubbing, true single-instance storage, de-duplication of messages and attachments, post-review capabilities, and archive searching. E-mail Archive Service and Oracle Universal Online Archive provide transparent access to historical content, facilitating access from end user applications in real time.	■ Oracle E-Mail Archive Service

Table 7–1 (Cont.) Oracle Application Server Product Family

Product	Description	Included Features
Oracle Enterprise Content Management Suite	Oracle Application Server Suite bundles Oracle's solutions for Oracle Universal Content Management, Oracle Universal Records Management, and Oracle Imaging and Process Management, providing a complete solution for customers seeking to implement an enterprise-wide content management system. Oracle Enterprise Content Management Suite includes restricted use Oracle Business Process Management Suite for modeling, executing and monitoring processes that are initiated from Oracle Imaging and Process Management or within and between Oracle Enterprise Content Management Suite, Oracle Universal Content Management, Oracle Imaging and Process Management, Oracle Universal Records Management, Oracle Content Conversion Server, and Oracle Information Rights Management only.	This Suite includes: ■ Oracle Universal Content Management ■ Oracle Universal Records Management ■ Oracle Imaging and Process Management ■ Oracle Content Conversion Server ■ Restricted Use Oracle Business Process Management Suite ■ JRockit JVM
Oracle Imaging and Process Management	Oracle Imaging and Process Management provides imaging and business process management capabilities for enterprise applications such as accounts payable and time and expense activities and includes support for PeopleSoft, JD Edwards, and Oracle E-Business Suite. Oracle Imaging and Process Management includes restricted use Oracle Business Process Management Suite for modeling, executing and monitoring processes that are initiated from Oracle Imaging and Process Management. Oracle Imaging and Process Management includes restricted use license of Oracle Internet Application Server Enterprise Edition for the following purposes only: 1. Run-time components to provide Java runtime environment and HTTP support, as well as configuration and administration components used for the setup and management of these run-time components 2. Run-time and design-time components to display and customize screens provided with Oracle Imaging and Process Management Imaging and Process Management Web Server or Web Support Server when installed on a separate server under the Imaging and Process Management license are not required to be licensed as long as they are being used for Imaging and Process Management purposes only.	Included Products: ■ Restricted Use Oracle Business Process Management Suite ■ Restricted Use Oracle Internet Application Server Enterprise Edition Imaging and Process Management: ■ Imaging Management ■ Business Process Management ■ Enterprise Report Management ■ Kofax Release Script ■ URM Adapter for Imaging and Process Management Repository Integration: ■ Connector for EMC Centera ■ Connector for Network Appliance SnapLock ■ Imaging and Process Management SDK Application Integration: ■ Application Link Service ■ Application Link for HLLAPI Adapter ■ JD Edwards Enterprise One Adapter ■ JD Edwards World Adapter ■ PeopleSoft Enterprise Adapter ■ SAP Archivelink Integration

Table 7–1 (Cont.) Oracle Application Server Product Family

Product	Description	Included Features
Oracle Information Rights Management	Oracle Information Rights Management allows organizations to secure, monitor, and audit access to information both in and out of the corporate enterprise. Users can interact with sealed content regardless of whether they are connected to the network or not.	IRM Server: ■ IRM Server ■ IRM Management Console ■ IRM Standard Rights Model ■ IRM Directory Gateway ■ IRM Web Services SDK IRM for BlackBerry: ■ Sealed Email for Exchange ■ Sealed Email for Domino IRM Desktop: ■ Sealed Office (Word, Excel, and PowerPoint) ■ Sealed PDF ■ Sealed Email for Outlook, Notes, and GroupWise ■ Sealed TXT and RTF ■ Sealed Images (GIF, PNG, JPEG) ■ Sealed Video (QuickTime, MPEG-1, MPEG-4)

Table 7–1 (Cont.) Oracle Application Server Product Family

Product	Description	Included Features
Oracle Universal Content Management	Oracle Universal Content Management provides a unified application for delivering document management, web content management, digital asset management, and retention management. Oracle Universal Content Management includes restricted use Oracle BPEL Process Manager for creating workflows/processes within and between Oracle Enterprise Content Management Suite, Oracle Universal Content Management, Oracle Imaging and Process Management, Oracle Universal Records Management, Oracle Content Conversion Server, and Oracle Information Rights Management only.	Included Products: ■ Oracle Content Conversion Server ■ Restricted Use Oracle BPEL Process Manager ■ JRockit JVM Repository: ■ Content Server Document Management: ■ Collaboration Manager ■ Content Categorizer ■ Content Integration Suite ■ Content Tracker ■ Desktop Integration Suite ■ Dynamic Converter ■ Kofax Release Script ■ PDF Watermark ■ Report Parser ■ WebParts for Microsoft SharePoint Digital Asset Management and Conversion: ■ Digital Asset Manager ■ Inbound Refinery ■ PDF Converter ■ TIFF Converter ■ XML Converter Web Content Management: ■ Connection Server ■ Content Portlet Suite ■ Content Publisher ■ Site Builder Client ■ Site Studio ■ Site Studio Designer ■ Site Studio Publishing Utility Records and Retention Management: ■ Retention Manager (RM Corporate Edition)

Table 7–1 (Cont.) Oracle Application Server Product Family

Product	Description	Included Features
Oracle Universal Content Management Standard Edition	Oracle Universal Content Management Standard Edition provides document and content management capabilities for small and medium size deployments. Oracle Universal Content Management Standard Edition can be used with the following Oracle Enterprise Content Management products: ■ Oracle Content Conversion Server ■ Oracle Information Rights Management ■ Oracle Document Capture ■ Oracle Distributed Document Capture Restrictions: ■ Oracle Universal Content Management Standard Edition can only be licensed on a single server with up to a maximum capacity of 4 sockets. ■ No integration with other systems via Web Services. ■ No replication to other Oracle Universal Content Management or Oracle Universal Content Management Standard Edition instances. ■ No active-active clustering.	Repository: ■ Content Server Document Management: ■ Desktop Integration Suite ■ Dynamic Converter Included Product: ■ JRockit JVM
Oracle Universal Online Archive	Oracle Universal Online Archive delivers a highly scalable content archiving infrastructure and services for ingesting content items such as email, documents, and images from different content sources. Universal Online Archive serves as a smart repository to classify, enforce, and manage the life cycle for historical content, to meet compliance and eDiscovery requirements, and to dramatically reduce storage costs.	■ Oracle Universal Online Archive ■ High Volume Importer
Oracle Universal Records Management	Oracle Universal Records Management provides consistent records and retention management across multiple systems with central policies. Adapters are available for ECM solutions and other repositories.	Repository: ■ Content Server Records Management: ■ Physical Records Management ■ Records Management ■ Universal Records Management Document Management: ■ Content Tracker ■ Desktop Integration Suite Included Product: ■ JRockit JVM

Table 7–1 (Cont.) Oracle Application Server Product Family

Product	Description	Included Features
Oracle Universal Records Management Adapter for EMC Documentum	Oracle Universal Records Management adapters provide connectors for external repositories that can be managed centrally from Oracle Universal Records Management. This adapter connects with the EMC Documentum repository.	■ URM Adapter for EMC Documentum
Oracle Universal Records Management Adapter for File Systems	Oracle Universal Records Management adapters provide connectors for external repositories that can be managed centrally from Oracle Universal Records Management. This adapter connects with File Systems. Oracle Universal Records Management Adapter for File Systems requires Oracle Secure Enterprise Search (SES). The SES license is not included with this adapter and needs to be purchased separately.	■ URM Adapter for File Systems
Oracle Universal Records Management Adapter for FileNet	Oracle Universal Records Management adapters provide connectors for external repositories that can be managed centrally from Oracle Universal Records Management. This adapter connects with the FileNet repository.	■ URM Adapter for FileNet
Oracle Universal Records Management Adapter for Java	Oracle Universal Records Management Adapter for Java provides a set of Java APIs that can be used to create a customized URM adapter for external repositories or applications.	■ URM Adapter for Java
Oracle Universal Records Management Adapter for Microsoft .Net	Oracle Universal Records Management Adapter for Microsoft .Net provides a set of Microsoft .Net APIs that can be used to create a customized URM adapter for external repositories or applications.	■ URM Adapter for Microsoft .Net
Oracle Universal Records Management Adapter for Microsoft SharePoint	Oracle Universal Records Management adapters provide connectors for external repositories that can be managed centrally from Oracle Universal Records Management. This adapter connects with Microsoft SharePoint.	■ URM Adapter for Microsoft SharePoint
Oracle Universal Records Management Adapter for Symantec Enterprise Vault	Oracle Universal Records Management adapters provide connectors for external repositories that can be managed centrally from Oracle Universal Records Management. This adapter connects with Symantec Enterprise Vault.	■ URM Adapter for Symantec Enterprise Vault
Siebel Adapter for Universal Content Management	The Siebel Adapter for Universal Content Management provides an integration between Siebel CRM and Oracle Universal Content Management , allowing documents related to the current Siebel context to be easily accessed from within the Siebel CRM user interface. The Oracle Universal Content Management license is not included with this adapter and needs to be purchased separately.	■ Siebel Adapter for Universal Content Management

7.2 Oracle Database License Requirement

An Oracle Database license is not included with Oracle Application Server components and must be licensed separately.

7.3 High Availability Considerations

Oracle Application Server products have high availability features that require special licensing considerations. These considerations are similar to the licensing considerations for the high availability features of the Oracle Database and the Oracle Application Server.

7.3.1 Cold Failover Clusters

Failover clusters use a two or more node hardware cluster for failover. Failover is the process by which the hardware clusters automatically relocate the execution of an application from a failed primary node to a designated standby node.

The primary node is the processor that is actively executing one or more content management services at any given time. If the primary node fails, the hardware cluster automatically fails the content management services over to the standby node.

When using cold failover clusters, ten days of failover per calendar year are included in the license for the primary node. If you use more than ten days of failover per calendar year, additional server licenses are required for the standby nodes.

Cold Failover Cluster licensing applies to:

- [Oracle Content Conversion Server](#)
- [Oracle Distributed Document Capture](#)
- [Oracle Document Capture](#)
- [Oracle E-Business Suite Adapter for Imaging and Process Management](#)
- [Oracle E-Mail Archive Service](#)
- [Oracle Enterprise Content Management Suite](#)
- [Oracle Imaging and Process Management](#)
- [Oracle Information Rights Management](#)
- [Oracle Universal Content Management](#)
- [Oracle Universal Online Archive](#)
- [Oracle Universal Records Management](#)
- [Oracle Universal Records Management Adapter for EMC Documentum](#)
- [Oracle Universal Records Management Adapter for File Systems](#)
- [Oracle Universal Records Management Adapter for FileNet](#)
- [Oracle Universal Records Management Adapter for Java](#)
- [Oracle Universal Records Management Adapter for Microsoft .Net](#)
- [Oracle Universal Records Management Adapter for Microsoft SharePoint](#)
- [Oracle Universal Records Management Adapter for Symantec Enterprise Vault](#)
- [Siebel Adapter for Universal Content Management](#)

Oracle Identity and Access Management Independent License Offerings

This chapter describes the separately licensed Oracle Identity and Access Management independent license offerings you can purchase to enhance the capabilities of Oracle Application Server in specific application environments.

The following sections describe the Oracle Identity and Access Management products and product families that can be separately licensed, independent of the packaged Oracle Application Server or WebLogic editions.

- [Section 8.1, "Oracle Entitlements Server"](#)
- [Section 8.2, "Oracle Entitlements Server Security Module"](#)
- [Section 8.3, "Oracle Directory Services"](#)
- [Section 8.4, "Oracle Access Manager"](#)
- [Section 8.5, "Oracle Adaptive Access Manager"](#)
- [Section 8.6, "Oracle Identity Federation"](#)
- [Section 8.7, "Oracle Identity Manager"](#)
- [Section 8.8, "Oracle Identity Manager Connectors"](#)
- [Section 8.9, "Oracle Role Manager"](#)
- [Section 8.10, "Oracle Enterprise Single Sign-On Password Reset"](#)
- [Section 8.11, "Oracle Enterprise Single Sign-On Suite"](#)
- [Section 8.12, "Oracle Access Management Suite"](#)
- [Section 8.13, "Oracle Identity and Access Management Suite"](#)
- [Section 8.14, "Management Pack for Identity Management"](#)

You may not use the options, packs, or products described below without separately purchased licenses. The fact that these options, packs, or products may be included in product CDs or downloads or described in documentation that you receive does not authorize you to use them without purchasing the appropriate licenses.

8.1 Oracle Entitlements Server

Oracle Entitlements Server can be separately licensed, independent of any Oracle Application Server or WebLogic edition.

8.1.1 Restricted-Use Licenses

The following restricted-use licenses are included when you separately license Oracle Entitlements Server:

- Restricted Use: Business Intelligence Publisher to publish and/or view:
 - Shipped BI Publisher reports. Layout changes are allowed, AND
 - Shipped or newly created BI Publisher reports that are modified to access data from the existing Identity Management schema that has not been customized.
- Oracle Internet Application Server Enterprise Edition or WebLogic Enterprise Edition as host for only Oracle Entitlements Server, including run-time components to provide Java runtime environment and HTTP support, as well as configuration and administration components used for the setup and management of these run-time components.

8.2 Oracle Entitlements Server Security Module

Oracle Entitlements Server Security Module can be separately licensed, independent of any Oracle Application Server or WebLogic edition.

Note that to use the Oracle Entitlements Server Security Module, you need to license [Oracle Entitlements Server](#) or [Oracle Access Management Suite](#) (which includes Oracle Entitlements Server).

8.3 Oracle Directory Services

Oracle Directory Services can be separately licensed, independent of any Oracle Application Server or WebLogic edition. It includes:

- Oracle Internet Directory (including Delegated Administration Services and Directory Integration Platform). These components are described in [Section 1.3.2.2.2, "Oracle Identity Management"](#).
- Oracle Virtual Directory

8.3.1 Restricted-Use Licenses

The following restricted-use licenses are included when you separately license Oracle Directory Services:

- Oracle Application Server Single Sign-On is provided for authentication services to users accessing Oracle Delegated Administration Services only.
- Restricted Use: Business Intelligence Publisher to publish and/or view:
 - Shipped BI Publisher reports. Layout changes are allowed, AND
 - Shipped or newly created BI Publisher reports that are modified to access data from the existing Identity Management schema that has not been customized.
- Oracle Internet Application Server Enterprise Edition or WebLogic Enterprise Edition as host for only Oracle Directory Services, including run-time components to provide Java runtime environment and HTTP support, as well as configuration and administration components used for the setup and management of these run-time components.

8.4 Oracle Access Manager

Oracle Access Manager can be separately licensed, independent of any Oracle Application Server or WebLogic edition.

8.4.1 Restricted-Use Licenses

The following restricted-use licenses are included when you separately license Oracle Access Manager:

- Restricted Use: Business Intelligence Publisher to publish and/or view:
 - Shipped BI Publisher reports. Layout changes are allowed, AND
 - Shipped or newly created BI Publisher reports that are modified to access data from the existing Identity Management schema that has not been customized.
- Oracle Internet Application Server Enterprise Edition or WebLogic Enterprise Edition as host for only Oracle Access Manager, including run-time components to provide Java runtime environment and HTTP support, as well as configuration and administration components used for the setup and management of these run-time components.

8.5 Oracle Adaptive Access Manager

Oracle Adaptive Access Manager can be separately licensed, independent of any Oracle Application Server or WebLogic edition.

8.5.1 Restricted-Use Licenses

The following restricted-use licenses are included when you separately license Oracle Adaptive Access Manager:

- Restricted Use: Business Intelligence Publisher to publish and/or view:
 - Shipped BI Publisher reports. Layout changes are allowed, AND
 - Shipped or newly created BI Publisher reports that are modified to access data from the existing Identity Management schema that has not been customized.
- Oracle Internet Application Server Enterprise Edition or WebLogic Enterprise Edition as host for only Oracle Adaptive Access Manager, including run-time components to provide Java runtime environment and HTTP support, as well as configuration and administration components used for the setup and management of these run-time components.

8.6 Oracle Identity Federation

Oracle Identity Federation can be separately licensed, independent of any Oracle Application Server or WebLogic edition.

8.6.1 Restricted-Use Licenses

The following restricted-use licenses are included when you separately license Oracle Identity Federation:

- Restricted Use: Business Intelligence Publisher to publish and/or view:
 - Shipped BI Publisher reports. Layout changes are allowed, AND

- Shipped or newly created BI Publisher reports that are modified to access data from the existing Identity Management schema that has not been customized.
- Oracle Internet Application Server Enterprise Edition or WebLogic Enterprise Edition as host for only Oracle Identity Federation, including run-time components to provide Java runtime environment and HTTP support, as well as configuration and administration components used for the setup and management of these run-time components.

8.7 Oracle Identity Manager

Oracle Identity Manager can be separately licensed, independent of any Oracle Application Server or WebLogic edition.

8.7.1 Restricted-Use Licenses

The following restricted-use licenses are included when you separately license Oracle Identity Manager:

- Restricted Use: Business Intelligence Publisher to publish and/or view:
 - Shipped BI Publisher reports. Layout changes are allowed, AND
 - Shipped or newly created BI Publisher reports that are modified to access data from the existing Identity Management schema that has not been customized.
- Oracle Internet Application Server Enterprise Edition or WebLogic Enterprise Edition as host for only Oracle Identity Manager, including run-time components to provide Java runtime environment and HTTP support, as well as configuration and administration components used for the setup and management of these run-time components.

8.8 Oracle Identity Manager Connectors

Oracle Identity Manager Connectors can be separately licensed, independent of any Oracle Application Server or WebLogic edition. Oracle Identity Manager Connectors require Oracle Identity Manager.

Available Identity Manager Connectors are:

- Database User Management
- Database Applications Table
- Microsoft Active Directory
- Oracle Internet Directory
- Novell eDirectory
- Sun Java System Directory
- Oracle e-Business
- PeopleSoft Enterprise Applications
- SAP Enterprise Applications
- Microsoft Exchange
- Novell Groupwise
- Microsoft Windows

- UNIX
- RSA Authentication Manager
- RSA ClearTrust
- IBM Lotus Notes/Domino
- SAP Enterprise Portal
- Siebel Enterprise Applications
- IBM RACF
- CA ACF2
- CA Top Secret
- BMC Remedy User Management
- IBM OS/400
- JDEdwards EnterpriseOne
- Oracle Retail
- BMC Remedy Ticketing

8.9 Oracle Role Manager

Oracle Role Manager can be separately licensed, independent of any Oracle Application Server or WebLogic edition.

8.9.1 Restricted-Use Licenses

The following restricted-use licenses are included when you separately license Oracle Role Manager:

- BPEL Process Manager for creating workflows where Role Manager is one of the endpoints.
- Business Intelligence Publisher to publish and/or view:
 - Shipped BI Publisher reports. Layout changes are allowed, AND
 - Shipped or newly created BI Publisher reports that are modified to access data from the existing Identity Management schema that has not been customized.
- Oracle Internet Application Server Enterprise Edition or WebLogic Enterprise Edition as host for only Oracle Role Manager, including run-time components to provide Java runtime environment and HTTP support, as well as configuration and administration components used for the setup and management of these run-time components.

8.10 Oracle Enterprise Single Sign-On Password Reset

Oracle Enterprise Single Sign-On Password Reset can be separately licensed, independent of any Oracle Application Server or WebLogic edition.

8.10.1 Restricted-Use Licenses

The following restricted-use licenses are included when you separately license Oracle Enterprise Single Sign-On Password Reset:

- Restricted Use: Business Intelligence Publisher to publish and/or view:
 - Shipped BI Publisher reports. Layout changes are allowed, AND
 - Shipped or newly created BI Publisher reports that are modified to access data from the existing Identity Management schema that has not been customized.

8.11 Oracle Enterprise Single Sign-On Suite

Oracle Enterprise Single Sign-On Suite can be separately licensed, independent of any Oracle Application Server or WebLogic edition. It includes [Oracle Enterprise Single Sign-On Password Reset](#).

8.11.1 Restricted-Use Licenses

The following restricted-use licenses are included when you separately license Oracle Enterprise Single Sign-On Suite:

- Restricted Use: Business Intelligence Publisher to publish and/or view:
 - Shipped BI Publisher reports. Layout changes are allowed, AND
 - Shipped or newly created BI Publisher reports that are modified to access data from the existing Identity Management schema that has not been customized.

8.12 Oracle Access Management Suite

Oracle Access Management Suite can be separately licensed, independent of any Oracle Application Server or WebLogic edition. It includes:

- [Oracle Access Manager](#)
- [Oracle Adaptive Access Manager](#)
- [Oracle Identity Federation](#)
- [Oracle Entitlements Server](#)

8.12.1 Restricted-Use Licenses

The following restricted-use licenses are included when you separately license Oracle Access Management Suite:

- Restricted Use: Business Intelligence Publisher to publish and/or view:
 - Shipped BI Publisher reports. Layout changes are allowed, AND
 - Shipped or newly created BI Publisher reports that are modified to access data from the existing Identity Management schema that has not been customized.
- Oracle Internet Application Server Enterprise Edition or WebLogic Enterprise Edition as host for only Access Management Suite, including run-time components to provide Java runtime environment and HTTP support, as well as configuration and administration components used for the setup and management of these run-time components.

8.13 Oracle Identity and Access Management Suite

Oracle Identity and Access Management Suite can be separately licensed, independent of any Oracle Application Server or WebLogic edition. It includes:

- [Oracle Access Manager](#)
- [Oracle Identity Federation](#)
- [Oracle Identity Manager](#)
- Oracle Application Server Single Sign-On (described in [Section 1.3.2.2.2, "Oracle Identity Management"](#))
- Oracle Internet Directory (including Delegated Administration Services and Directory Integration Platform). These components are described in [Section 1.3.2.2.2, "Oracle Identity Management"](#).
- Oracle Application Server Certificate Authority (described in [Section 1.3.2.2.2, "Oracle Identity Management"](#))
- Oracle Virtual Directory

8.13.1 Restricted-Use Licenses

The following restricted-use licenses are included when you separately license Oracle Identity and Access Management Suite:

- Restricted Use: Business Intelligence Publisher to publish and/or view:
 - Shipped BI Publisher reports. Layout changes are allowed, AND
 - Shipped or newly created BI Publisher reports that are modified to access data from the existing Identity Management schema that has not been customized.
- Oracle Internet Application Server Enterprise Edition or WebLogic Enterprise Edition as host for only Identity and Access Management Suite, including run-time components to provide Java runtime environment and HTTP support, as well as configuration and administration components used for the setup and management of these run-time components.

Note: If an included product (for example, Oracle Access Manager) comes with restricted-use licenses, the restricted-use licenses still apply when you separately license the Oracle Identity and Access Management Suite.

8.14 Management Pack for Identity Management

The Management Pack for Identity Management enables enterprises to proactively monitor the availability, performance, load, and security metrics of Identity servers. Administrators can monitor Identity service transaction performance externally from the end-user perspective, define service levels on Identity Services, and track service levels in real time.

8.14.1 Features

The following major features are available for Identity Management products and associated systems:

- Discover Identity server components and out-of-the-box system modeling.
- Monitor availability and performance.
- Collect configuration information for Oracle Access Manager components.
- Provide service modeling of Identity components.

- Integrate with the Enterprise Manager plug-in for managing Identity Management 10.1.4 that was released as part of the 10.1.4 Identity Suite.

8.14.2 Licensed Links

The list that follows itemizes the links that require licensing of the Management Pack for Identity Management for the Access manager Access System. However, the navigation paths are applicable for all Identity Management Systems.

- From the Enterprise Manager Home page:
 - Click the **Targets** tab, then the **Systems** subtab.
 - Click the **Name** link for the Access Manager - Access System. The Access Manager Home page appears. The **Alert History** button, **Alerts table** links, and **Security At a Glance** link are licensed as part of this pack.
- From the Access Manager Home page:
 - Click the **Alert History** button. The **Alert History page and all of its links** are licensed as part of this pack.
 - Click the **Security At a Glance** link. The **Security At a Glance page that appears and all of its links** are licensed as part of this pack.
- From the Access Manager Home page:
 - Select the **Charts** subtab. The **Charts page and all of its links** are licensed as part of this pack.
- From the Enterprise Manager Home page:
 - Click the **Targets** tab, then the **All Targets** subtab.
 - In the **Search** drop-down list, select **Access Manager - Access Server**, then click **Go**.
 - Click an **Access Server** link in the table. The Access Manager - Access Server Home page appears. The following links are licensed as part of this pack:
 - * **View Configuration**
 - * **Saved Configurations**
 - * **Import Configuration**
 - * **Configuration History**
 - * **Compare Configuration**
 - * **Compare Multiple Configurations**
 - * **Alert History**
 - * **Blackouts**

Note: The configuration links above only apply to the Oracle Access Manager.

You can also alternatively navigate to the Access Manager - Access Server page by doing the following:

- Click the **Targets** tab, then the **Systems** subtab.
- Click a **System Name** in the table from the Systems page that appears.

- Click the **Configuration** subtab from the Access Manager - Access System page that appears.
- Click an **Access Server target** in the table from the Access Manager - Access System page.
- From the Access Manager - Access Server page:
 - Click the **All Metrics** link in the Related Links section.
 - In the All Metrics page that appears, click the **Expand All** link.
 - Click a **Metrics** link for which the threshold has been set. In the metrics summary page that appears, **everything is licensed** as part of this pack.
- From the Enterprise Manager Home page:
 - Click the **Targets** tab, then the **All Targets** subtab.
 - In the **Search** drop-down list, select **Generic Service**, then click **Go**.
 - Click a **Generic Service** link in the table. The Generic Service Home page appears. The following links are licensed as part of this pack:
 - * **Test Performance subtab**
 - * **Alert History**
 - * **Blackouts**
 - * **Metric Baselines**
- From the Generic Service Home page:
 - Click the **Metric and Policy Settings** link in the Related Links section.
 - Click the **Tests** subtab. The **Tests page that appears and all of its links** are licensed as part of this pack.
- From the Generic Service Home page:
 - Click the **Monitoring Configuration** subtab.
 - Click the **Service Tests and Beacons** link. The **Service Tests and Beacons page that appears and all of its links** are licensed as part of this pack.
- From the Enterprise Manager Home page:
 - Click the **Targets** tab, then the **Services** subtab.
 - Click a **Web Application Name** link in the Services page.
 - In the Key Summary table of the Web Application Home page, click a **Test** name. The **Web Transaction Home page that appears and all of its links** are licensed as part of this pack.
 - Click the **Performance** subtab. The **Web Transaction Performance page that appears and all of its links** are licensed as part of this pack.

Oracle Middleware Enterprise Management

For Oracle Middleware Enterprise Management licensing information, please see the chapter "Oracle Middleware Enterprise Management" in the *Oracle Enterprise Manager Licensing Information* document.

