

Oracle® Identity and Access Management

Licensing Information

10g (10.1.4.0.1)

B28190-01

August 2006

Oracle Identity and Access Management Licensing Information, 10g (10.1.4.0.1)

B28190-01

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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 Identity and Access Management Licensing Information* provides information on the Oracle Identity and Access management 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, with good usability, to the disabled community. 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/>

Accessibility of Code Examples in Documentation

Screen readers may not always correctly read the code examples in this document. The conventions for writing code require that closing braces should appear on an otherwise empty line; however, some screen readers may not always read a line of text that consists solely of a bracket or brace.

Accessibility of Links to External Web Sites in Documentation

This documentation may contain links to Web sites of other companies or organizations that Oracle does not own or control. Oracle neither evaluates nor makes any representations regarding the accessibility of these Web sites.

TTY Access to Oracle Support Services

Oracle provides dedicated Text Telephone (TTY) access to Oracle Support Services within the United States of America 24 hours a day, seven days a week. For TTY support, call 800.446.2398.

Related Documents

For more information, see these Oracle resources:

- 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.

Oracle Application Server Editions

This chapter describes the Oracle Application Server editions and the features available with those editions. It contains the following sections:

- [The Oracle Application Server Product Family](#)
- [General Licensing Information](#)

The Oracle Application Server Product Family

Oracle Application Server 10g (10.1.4.0.1) consists of the latest Oracle Identity and Access Management offerings, whose components are available in the various Oracle Application Server editions. Oracle also offers several independent license options for Oracle Identity and Access Management. This section describes the licensing editions of Oracle Application Server. The application server options, packs, and other enhancement products are described in [Chapter 2, "Options, Independent License Offerings, and Packs"](#).

[Table 1–1](#) introduces the Oracle Application Server licensing editions.

Table 1–1 Oracle Application Server Licensing Editions

Licensing Edition	High Level Functionality	Additional Information
Java Edition	The Oracle Application Server Java Edition includes Oracle HTTP Server, Oracle Application Server Containers for J2EE (J2EE container and Web Services), Oracle Application Server TopLink, Oracle Sensor Edge Server, Oracle Service Registry, Oracle Security Developer's Toolkit, and Oracle Application Server MapViewer.	Since Oracle Application Server 10g (10.1.4.0.1) does not include components outside of the Oracle Identity and Access Management products, if you license Java Edition some components will be from Oracle Application Server 10g Release 2 (10.1.2) or Oracle Application Server 10g Release 3 (10.1.3).
Standard Edition	The Oracle Application Server Standard Edition includes all of the Java Edition functionality, plus Oracle Business Rules, Oracle Application Server Portal, Oracle Application Server Web Cache, Oracle Internet Directory, and OracleAS Single Sign-On.	Oracle Application Server Standard Edition includes limited use licenses for Oracle Internet Directory and OracleAS Single Sign-On. For full use, license Oracle Application Server Enterprise Edition, or Oracle Identity and Access Management Suite as described in Chapter 2. Since Application Server 10g (10.1.4.0.1) does not include components outside of the Oracle Identity and Access Management products, if you license Standard Edition some components will be from Oracle Application Server 10g Release 2 (10.1.2) or Oracle Application Server 10g Release 3 (10.1.3).
Standard Edition One	The Oracle Application Server Standard Edition One includes all of the Standard Edition functionality, but with the deployment limitations outlined in Oracle Application Server Standard Edition One Deployment Restrictions .	All features included in Standard Edition
Enterprise Edition	The Oracle Application Server Enterprise Edition includes all of the Standard Edition functionality, plus 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, Oracle Delegated Administration Services, Oracle Directory Integration Platform, and OracleAS Certificate Authority.	Oracle Application Server Enterprise Edition includes full use licenses for Oracle Internet Directory and OracleAS Single Sign-On. Since Oracle Application Server 10g (10.1.4.0.1) does not include components outside of the Oracle Identity and Access Management products, if you license Enterprise Edition some components will be from Oracle Application Server 10g Release 2 (10.1.2) or Oracle Application Server 10g Release 3 (10.1.3).

Oracle 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.

Oracle 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 1–2](#) lists the minimum edition requirements for each Oracle Identity and Access Management 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. These restrictions are detailed in [Table 1–3](#).

Table 1–2 *Edition Requirements for Oracle Identity and Access Management Installation Types*

Installation Type/Component	Oracle Application Server Minimum Edition Required
Security Developer Tools	Java Edition
Infrastructure	Standard Edition or Standard Edition One
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 as outlined in Chapter 2, "Options, Independent License Offerings, and Packs"

[Table 1–3](#) lists the Oracle Identity and Access Management installation types and components available with each of the three Oracle Application Server editions, along with any exceptions or restrictions associated with each edition-installation pair.

Table 1–3 *Oracle Identity and Access Management Installation Types Included with Editions*

Edition	Installation Types/Components	Exceptions
Java Edition	Security Developer's Toolkit	None

Table 1–3 (Cont.) Oracle Identity and Access Management Installation Types Included with Editions

Edition	Installation Types/Components	Exceptions
Standard Edition or Standard Edition One	Oracle Internet Directory OracleAS Single Sign-On	Upgrade to Enterprise Edition if you need: <ul style="list-style-type: none"> ■ 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: <ul style="list-style-type: none"> ■ Oracle Access Manager ■ Oracle Identity Federation ■ Oracle Identity Manager ■ Oracle Identity Manager Connector ■ Oracle Virtual Directory See Also: "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: <ul style="list-style-type: none"> ■ Oracle Access Manager ■ Oracle Identity Federation ■ Oracle Identity Manager ■ Oracle Identity Manager Connector ■ Oracle Virtual Directory See Also: "Restricted-Use Licensing"

Oracle Application Server Standard Edition One Deployment Restrictions

Oracle Application Server Standard Edition One has the same features and functionality as Oracle Application Server Standard Edition, but with the following deployment restrictions:

- Standard Edition One may only be licensed on servers that have a maximum capacity of two processors.
- Each Standard Edition One instance must have its own infrastructure, including the metadata repository, installed on the same computer as the middle tier.
- You may not use any of the high availability features outlined in the [Additional Feature Availability](#) section with Standard Edition One.

Additional Feature Availability

Certain Oracle Application Server features have additional licensing considerations.

Management Features

All Oracle Enterprise Manager 10g Application Server Control functionality is included with each of the Oracle Application Server editions.

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.

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.

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.

High Availability Considerations for Oracle Application Server Infrastructure

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 two 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:

- **Oracle Application Server Cold Failover Clusters:** OracleAS Cold 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 application server services at any given time. If the primary node fails, the hardware cluster automatically fails the application server services over to the standby node.

When using OracleAS Cold Failover Clusters, ten days of failover per calendar year are included in the Oracle Application Server license for the primary node. If you use more than ten days of failover per calendar year, additional application server licenses are required for the standby nodes.

Note: Additional hardware or software may be required depending on the specific cluster setup you are using.

- **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 Application Server license for the active node. Disaster Recovery through OracleAS Guard is available with Oracle Application Server Enterprise Edition only. Since Oracle Application Server 10g (10.1.4) does not include some of the Enterprise Edition components, if you license Enterprise Edition to get OracleAS Guard, some components will be from Oracle Application Server 10g Release 2 (10.1.2) and Oracle Application Server 10g Release 3 (10.1.3). See the *Oracle Application Server Licensing Information* document for these releases for more information on Oracle Application Server Enterprise Edition.

Restricted-Use Licensing

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

Java Edition

- Oracle Service Registry is provided for storing Oracle-provided services and can be used to store up to fifty (50) non-Oracle services.

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 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.

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 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.

Oracle Enterprise Manager 10g

- Oracle Application Server is provided only for hosting Oracle Management Service.
- Oracle Database is provided only for hosting 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 Database and Oracle Application Server that support Oracle Management Service and Oracle Management Repository.

Oracle Database License Requirements: Standard Edition, Standard Edition One, and Enterprise Edition

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).

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

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

General Licensing Information

Oracle Application Server can be licensed with the Named User Plus metric and/or the Processor metric.

Options, Independent License Offerings, and Packs

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. This chapter contains the following sections:

- [Oracle Identity and Access Management Independent License Offerings](#)

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.

Oracle Identity and Access Management Independent License Offerings

In addition to the Oracle Application Server editions and the options you can choose to add on to those editions, Oracle now has independent license offerings in several product areas. The following Oracle Identity and Access Management products and product families can be separately licensed, independent of the packaged Oracle Application Server editions.

- [Oracle Access Manager](#)
- [Oracle Identity and Access Management Suite](#)
- [Oracle Identity Federation](#)
- [Oracle Identity Manager](#)
- [Oracle Identity Manager Connector](#)
- [Oracle Virtual Directory](#)

For information on independent license offerings for other products and product families, please see the *Oracle Application Server Licensing Information* documents for Oracle Application Server 10g Release 2 (10.1.2) and Oracle Application Server 10g Release 3 (10.1.3).

Oracle Access Manager

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

Oracle Identity and Access Management Suite

Oracle Identity and Access Management Suite can be separately licensed, independent of any Oracle Application Server edition. It includes Oracle Access Manager, Oracle Identity Federation, Oracle Identity Manager, Oracle Application Server Single Sign-On, Oracle Internet Directory (including Delegated Administration Service and Directory Integration Platform), Oracle Application Server Certificate Authority, and Oracle Virtual Directory.

Oracle Identity Federation

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

Oracle Identity Manager

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

Oracle Identity Manager Connector

Oracle Identity Manager Connector can be separately licensed, independent of any Oracle Application Server edition. Oracle Identity Manager Connector requires Oracle Identity Manager.

Oracle Virtual Directory

Oracle Virtual Directory can be separately licensed, independent of any Oracle Application Server edition.