

**Oracle® Application Server**

Licensing Information

10g Release 2 (10.1.2)

**Part No. B14128-01**

December 2004

Oracle Application Server Licensing Information, 10g Release 2 (10.1.2)

Part No. B14128-01

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Primary Author: Theresa M. Robertson

Contributors: Thomas Kurian, Scott Howley, Francisco Abedrabbo, Manmeet Ahluwalia, Pavana Jain, Trish McGonigle, Nicole Haba, Michael Mesaros, John Deeb

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# Contents

<b>Send Us Your Comments</b> .....	v
<b>Preface</b> .....	vii
Intended Audience .....	vii
Documentation Accessibility .....	vii
Structure .....	viii
Related Documents .....	viii
Conventions .....	viii
<b>1 Oracle Application Server Editions</b>	
<b>The Oracle Application Server Product Family</b> .....	1-1
Oracle Application Server Editions and Installation Types.....	1-2
Additional Feature Availability .....	1-3
Security Features .....	1-4
High Availability Features .....	1-4
Integration Adapters .....	1-6
<b>Restricted-Use Licensing</b> .....	1-7
Oracle Database License Requirements: Standard Edition, Standard Edition One, and Enterprise Edition 1-8	
Full Use License of Oracle Database Standard Edition or Standard Edition One.....	1-8
Full Use License of Oracle Database Enterprise Edition.....	1-8
When is a Full Use License of Oracle Database Not Required? .....	1-9
<b>General Licensing Information</b> .....	1-9
Metric Definitions .....	1-9
License Minimums.....	1-9
<b>2 Options, Independent License Offerings, and Packs</b>	
<b>Oracle Application Server Options</b> .....	2-1
Oracle Identity Management Option .....	2-1
Oracle BPEL Process Manager Option.....	2-1
<b>Oracle Application Server Independent License Offerings</b> .....	2-2
Oracle TopLink.....	2-2
Oracle BPEL Process Manager .....	2-2
Oracle Portal .....	2-2
Restricted-Use Licenses.....	2-3

Oracle Identity Management.....	2-3
Restricted-Use Licenses.....	2-3
Oracle Business Intelligence .....	2-4
Restricted-Use Licenses.....	2-4
Oracle Forms.....	2-5
Restricted-Use Licenses.....	2-5
Oracle Integration .....	2-5
Integration Adapters .....	2-6
Restricted-Use Licenses.....	2-6
<b>Oracle Management Packs for Oracle Application Server.....</b>	<b>2-6</b>
Enabling and Disabling the Oracle Management Packs for Oracle Application Server .....	2-7
Oracle Application Server Diagnostics Pack.....	2-8
Oracle Application Server Configuration Management Pack .....	2-13

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# Send Us Your Comments

## **Oracle Application Server Licensing Information, 10g Release 2 (10.1.2)**

**Part No. B14128-01**

Oracle welcomes your comments and suggestions on the quality and usefulness of this publication. Your input is an important part of the information used for revision.

- Did you find any errors?
- Is the information clearly presented?
- Do you need more information? If so, where?
- Are the examples correct? Do you need more examples?
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If you would like a reply, please give your name, address, telephone number, and electronic mail address (optional).

If you have problems with the software, please contact your local Oracle Support Services.



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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 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](#)
- [Structure](#)
- [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. 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 additional information, visit the Oracle Accessibility Program Web site at

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## Structure

This document contains two chapters:

### Chapter 1, "Oracle Application Server Editions"

This chapter describes the Oracle Application Server editions.

### Chapter 2, "Options, Independent License Offerings, and Packs"

This chapter describes the Oracle Application Server options and packs and their availability.

## Related Documents

For more information, see these Oracle resources:

- *Oracle Application Server 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>

Printed documentation is available for sale in the Oracle Store at:

<http://oraclestore.oracle.com/>

To download free release notes, installation documentation, white papers, or other collateral, please visit the Oracle Technology Network (OTN). You must register online before using OTN; registration is free and can be done at:

<http://www.oracle.com/technology/membership/>

If you already have a username and password for OTN, then you can go directly to the documentation section of the OTN Web site at:

<http://www.oracle.com/technology/documentation/>

## Conventions

We use various conventions in text to help you more quickly identify special terms. The following table describes those conventions and provides examples of their use.

Convention	Meaning	Example
<b>Bold</b>	Bold typeface indicates terms that are defined in the text or terms that appear in a glossary, or both.	When you specify this clause, you create an <b>index-organized table</b> .
<i>Italics</i>	Italic typeface indicates book titles or emphasis.	<i>Oracle Database Concepts</i> Ensure that the recovery catalog and target database do <i>not</i> reside on the same disk.



Convention	Meaning	Example
UPPERCASE monospace (fixed-width) font	Uppercase monospace typeface indicates elements supplied by the system. Such elements include parameters, privileges, datatypes, RMAN keywords, SQL keywords, SQL*Plus or utility commands, packages and methods, as well as system-supplied column names, database objects and structures, usernames, and roles.	<p>You can specify this clause only for a NUMBER column.</p> <p>You can back up the database by using the BACKUP command.</p> <p>Query the TABLE_NAME column in the USER_TABLES data dictionary view.</p> <p>Use the DBMS_STATS.GENERATE_STATS procedure.</p>
lowercase monospace (fixed-width) font	<p>Lowercase monospace typeface indicates executables, filenames, directory names, and sample user-supplied elements. Such elements include computer and database names, net service names, and connect identifiers, as well as user-supplied database objects and structures, column names, packages and classes, usernames and roles, program units, and parameter values.</p> <p><b>Note:</b> Some programmatic elements use a mixture of UPPERCASE and lowercase. Enter these elements as shown.</p>	<p>Enter sqlplus to start SQL*Plus.</p> <p>The password is specified in the orapwd file.</p> <p>Back up the datafiles and control files in the /disk1/oracle/dbs directory.</p> <p>The department_id, department_name, and location_id columns are in the hr.departments table.</p> <p>Set the QUERY_REWRITE_ENABLED initialization parameter to true.</p> <p>Connect as oe user.</p> <p>The JRepUtil class implements these methods.</p>
lowercase italic monospace (fixed-width) font	Lowercase italic monospace font represents placeholders or variables.	<p>You can specify the <i>parallel_clause</i>.</p> <p>Run <i>old_release</i>.SQL where <i>old_release</i> refers to the release you installed prior to upgrading.</p>



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# Oracle Application Server Editions

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

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

## The Oracle Application Server Product Family

Oracle 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 Application Server for specific purposes. 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 options.

**Table 1–1 Oracle Application Server Licensing Editions**

Licensing Edition	High Level Functionality	Features Included
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 Application Server MapViewer, and five Oracle JDeveloper Named User Plus licenses per processor.	mod_oc4j, mod_oss, mod_oradav, mod_fastcgi, mod_rewrite, Proxy Plug-In, XML Developer Kit, Oracle Application Development Framework (ADF), Oracle Enterprise Manager 10g Application Server Control, Java Authentication and Authorization Service (JAAS) Provider, JDBC drivers for Oracle and non-Oracle databases
Standard Edition	The Oracle Application Server Standard Edition includes all of the Java Edition functionality, plus Oracle Application Server Portal and Oracle Application Server Web Cache.	All Java Edition features, plus mod_plsql, mod_oss, 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
Enterprise Edition	The Oracle Application Server Enterprise Edition includes all of the Standard Edition functionality, plus the Identity Management option, Oracle Business Intelligence Discoverer, Oracle Application Server Integration InterConnect, Oracle Application Server Integration B2B, and Oracle Application Server Wireless.	All Standard Edition features, plus the Identity Management option <b>See Also:</b> "Oracle Identity Management" later in this chapter for details about the Identity Management option

## 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. For example, 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.

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 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 installation type if you have Oracle Application Server Standard Edition, but the Standard Edition license does not cover the use of Oracle Application Server Wireless, which is included in the installation type. These restrictions are detailed in [Table 1–3](#).

**Table 1–2 Edition Requirements for Installation Types**

Installation Type	Oracle Application Server Minimum Edition Required
J2EE and Web Cache	Java Edition
JDeveloper	Java Edition
TopLink	Java Edition
Portal and Wireless	Standard Edition

**Table 1–2 (Cont.) Edition Requirements for Installation Types**

Installation Type	Oracle Application Server Minimum Edition Required
Integration (InterConnect or B2B)	Enterprise Edition
Business Intelligence Discoverer	Enterprise Edition
Infrastructure	Standard Edition

**Table 1–3** lists the installation types 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 Installation Types Included with Editions**

Edition	Installation Types	Exceptions
Java Edition	J2EE and Web Cache JDeveloper TopLink	Upgrade to Standard Edition if you need: <ul style="list-style-type: none"> <li>▪ mod_plsql and mod_osso</li> <li>▪ UDDI repository (part of Web Services)</li> <li>▪ Web Cache</li> </ul>
Standard Edition	J2EE and Web Cache JDeveloper TopLink Portal and Wireless Infrastructure	Upgrade to Enterprise Edition if you need: <ul style="list-style-type: none"> <li>▪ Wireless</li> </ul> Upgrade to Enterprise Edition or add the Identity Management Option if you need: <ul style="list-style-type: none"> <li>▪ Oracle Application Server Certificate Authority</li> <li>▪ Oracle Application Server Single Sign-On</li> <li>▪ Oracle Internet Directory</li> </ul> <b>See Also:</b> <a href="#">"Restricted-Use Licensing"</a>
Enterprise Edition	J2EE and Web Cache JDeveloper TopLink Portal and Wireless Integration (InterConnect or B2B) Business Intelligence Discoverer 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.  <b>See Also:</b> <a href="#">"Restricted-Use Licensing"</a>

## Additional Feature Availability

Certain Oracle Application Server features have additional licensing considerations. This section provides additional licensing information for security features, high availability features, and integration adapters.

## 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.

### 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**, an LDAP compliant directory service implemented on the Oracle Database.
- **Oracle Directory Integration and Provisioning**, part of Oracle Internet Directory, which 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, which provides trusted proxy-based administration of directory information by users and application administrators.
- **Oracle Application Server Single Sign-On**, which provides single sign-on access to Oracle and third-party Web applications.
- **Oracle Application Server Certificate Authority**, which 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 can be purchased in three ways: as an option to Oracle Application Server Standard Edition, as a standalone offering independent of Oracle Application Server editions, or as an included component of Oracle Application Server Enterprise Edition. Refer to [Chapter 2, "Options, Independent License Offerings, and Packs"](#) for more information on Oracle Identity Management licensing options.

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

## 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.

### 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:

- **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.

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

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- **Oracle Application Server Clusters:** Oracle Application Server middle-tier instances can be clustered together to provide load balancing and failover. Oracle Application Server has two clustering models:

- **Manually-Managed Oracle Application Server Clusters:** These clusters rely on the administrator to manually configure each instance within the cluster. With Manually-Managed Oracle Application Server Clusters, it is the administrator's job to make a group of application servers function as a cluster.

Manually-Managed Oracle Application Server Clusters are included with Oracle Application Server Java Edition, Standard Edition, and Enterprise Edition.

- **DCM-Managed Oracle Application Server Clusters:** These clusters use the Distributed Configuration Management (DCM) tool to automatically propagate configuration information across all application server instances in the cluster. DCM requires a repository to store the configuration information. This repository can be either a file-based or database-backed repository.

DCM-Managed Oracle Application Server Clusters are included with Oracle Application Server Standard Edition and Enterprise Edition.

- **Oracle Application Server Disaster Recovery:** For disaster recovery purposes, Oracle Application Server licenses are required for both the active and standby application servers.

### 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 Identity Management 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.

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

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- **Oracle Application Server Disaster Recovery:** For disaster recovery purposes, Oracle Application Server licenses are required for both the active and standby application servers.

### Integration Adapters

There are four types of integration adapters: application, legacy, technology, and B2B.

Application, legacy, and B2B adapters must be purchased separately to work with Oracle Application Server Integration B2B and Oracle Application Server Integration InterConnect. Application, legacy, and B2B adapters are licensed using the Processor metric. These adapters cannot be licensed using the Named User Plus metric.

**See Also:** "[Metric Definitions](#)" later in this chapter



Technology adapters are included with all Oracle Application Server editions and when you separately license Oracle Integration. Technology adapters do not require separate licenses.

Table 1-4 lists the available adapters by adapter type.

**Table 1-4 Integration Adapters**

Application Adapters	Legacy Adapters	B2B Adapters	Technology Adapters
SAP	CICS	RosettaNet	HTTP
PeopleSoft	IMS DB	EDI	SMTP
Siebel	IMS TM		FTP
Oracle Applications	VSAM		JMS
J.D. Edwards	DB/2		Database
			Advanced Queueing
			Web Services

## Restricted-Use Licensing

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

### Standard Edition

- 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.

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**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.

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**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 Application Server Integration InterConnect and Oracle Application Server Integration B2B only.
- The Oracle Database (Enterprise Edition) is provided only for use with the Oracle Application Server Infrastructure for storing product metadata.

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**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.

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## 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 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 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

### 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 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 Containers for J2EE (OC4J), either without clusters or clustered using a file-based repository, against a non-Oracle database

## General Licensing Information

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

### Metric Definitions<sup>1</sup>

**Named User Plus** This metric is defined as an individual authorized by you to use the programs which are installed on a single server or multiple servers, regardless of whether the individual is actively using the programs at any given time. A non-human-operated device will be counted as a named user plus in addition to all individuals authorized to use the programs, if such device can access the programs. If multiplexing hardware or software (for example, a TP monitor or a web server product) is used, this number must be measured at the multiplexing front end. Automated batching of data from computer to computer is permitted.

**Processor** This metric is defined as all processors where the Oracle Programs are installed and/or running. A multicore chip with  $n$  processor cores is treated as  $n$  processors. Programs licensed on a Processor basis may be accessed by your internal users (including agents and contractors) and by your third-party users.

### License Minimums<sup>2</sup>

**Oracle Application Server Java Edition** If licensing by Named User Plus, the minimum is 10 named users.

**Oracle Application Server Standard Edition** If licensing by Named User Plus, the minimum is 10 named users.

**Oracle Application Server Enterprise Edition** If licensing by Named User Plus, the minimum is 10 named users.

<sup>1</sup> In the event of a conflict between these metric definitions and those set forth in your ordering document for the Oracle Programs, the definitions in your ordering document will prevail.

<sup>2</sup> In the event of a conflict between these license minimums and those set forth in your ordering document for the Oracle Programs, the terms in your ordering document will prevail.



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## Options, Independent License Offerings, and Packs

This chapter describes the separately licensed Oracle Application Server options, management packs, and other products you can purchase to enhance the capabilities of Oracle Application Server in specific application environments. This chapter contains the following sections:

- [Oracle Application Server Options](#)
- [Oracle Application Server Independent License Offerings](#)
- [Oracle Management Packs for Oracle Application Server](#)

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 appropriate licenses.

### Oracle Application Server Options

Oracle Application Server Options can be purchased in addition to certain Oracle Application Server editions. There are two Oracle Application Server Options:

- [Oracle Identity Management Option](#)
- [Oracle BPEL Process Manager Option](#)

### Oracle Identity Management Option

Oracle Identity Management is an integrated infrastructure that provides distributed security services for Oracle products and the enterprise. The Oracle Identity Management Infrastructure is described in "[Oracle Identity Management](#)" in Chapter 1.

The Oracle Identity Management option can be purchased in addition to Oracle Application Server Standard Edition. Oracle Identity Management is included with Oracle Application Server Enterprise Edition.

### Oracle BPEL Process Manager Option

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.

The Oracle BPEL Process Manager option can be purchased in addition to Oracle Application Server Enterprise Edition.

## Oracle Application Server 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 products and product families can be separately licensed, independent of the packaged Oracle Application Server editions:

- [Oracle TopLink](#)
- [Oracle BPEL Process Manager](#)
- [Oracle Portal](#)
- [Oracle Identity Management](#)
- [Oracle Business Intelligence](#)
- [Oracle Forms](#)
- [Oracle Integration](#)

**Important:** Each independent license offering you purchase must be used as a completely standalone product. Independent license offerings cannot be clustered with or use a shared infrastructure with any other Oracle Application Server editions, options, or independent license offerings.

### Oracle TopLink

Oracle TopLink can be separately licensed, independent of any Oracle Application Server edition. Oracle TopLink is also included in all of the Oracle Application Server editions.

When you license Oracle TopLink separately, the license includes Oracle TopLink Mapping Workbench. It does not include Oracle JDeveloper.

### Oracle BPEL Process Manager

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

Please refer to the "[Oracle Application Server Options](#)" section for more information on Oracle BPEL Process Manager.

### Oracle Portal

Oracle Portal can be separately licensed, independent of any Oracle Application Server edition. Oracle Portal is also included in Oracle Application Server Standard Edition and Enterprise Edition.

When you license it independently, the Oracle Portal offering includes all of the Oracle Application Server Java Edition components and features, plus Oracle Application Server Portal, Oracle Ultra Search, PL/SQL Server Pages, Oracle Content Management SDK, Oracle UDDI Registry, and Oracle Application Server Metadata Repository Creation Assistant. Restrictions to these features are outlined later in this section.

In order to use the Oracle Portal offering, you must separately license the Oracle Database (any edition).

## Restricted-Use Licenses

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

- Oracle Internet Directory is provided to provision, store, and manage Oracle Portal users and groups, their associated security credentials and privileges, to synchronize data with third party directory services, and to store other Oracle Portal-specific metadata.
- Oracle Application Server Single Sign-On is provided for authentication services to users accessing an enterprise portal built using Oracle Portal.
- Oracle Application Server Web Cache is provided to accelerate performance of Oracle Portal.
- Oracle HTTP Server and its modules are provided for running Oracle Portal only.
- Oracle Application Server Containers for J2EE (OC4J) is provided for running Oracle Portal 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 Portal strictly for storing Oracle Portal metadata.

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**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.

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## Oracle Identity Management

Oracle Identity Management can be separately licensed, independent of any Oracle Application Server edition. Oracle Identity Management is also included in Oracle Application Server Enterprise Edition, and it can be licensed as an option for Oracle Application Server Standard Edition.

The Oracle Identity Management Infrastructure is described in "[Oracle Identity Management](#)" in Chapter 1.

In order to use the Oracle Identity Management offering, you must separately license the Oracle Database (any edition).

## Restricted-Use Licenses

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

- Oracle HTTP Server and its modules are provided for running Oracle Identity Management only.
- Oracle Application Server Containers for J2EE (OC4J) is provided for running Oracle Identity Management 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 Identity Management strictly for storing Oracle Internet Directory directory information. This information is only used for directory integration. Any storage of user information requires a separate database license.

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**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.

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## Oracle Business Intelligence

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 Business Intelligence Discoverer Portlet Provider, Oracle Business Intelligence Beans, Oracle Reports Services, Oracle Spreadsheet Add-in, Oracle Data Miner, Oracle Internet Developer Suite, and Oracle Application Server Portal.

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).

### 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 Reports Services and Discoverer Administration Edition 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 Application Server 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.

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**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.

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## Oracle Forms

Oracle Forms can be separately licensed, independent of any Oracle Application Server edition. Oracle Forms is not included in any of the Oracle Application Server editions for Oracle Application Server 10g Release 2 (10.1.2).

When you license it independently, Oracle Forms includes Oracle Forms, Forms Servlet, Forms client applet, Forms listener servlet, Forms Runtime, and Oracle Enterprise Manager 10g Application Server Control.

### Restricted-Use Licenses

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

- Oracle HTTP Server and its modules are provided for running Oracle Forms applications only.
- Oracle Application Server Containers for J2EE (OC4J) is provided for running Oracle Forms applications only.

## Oracle Integration

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

Oracle Integration includes Oracle Application Server Integration InterConnect and Oracle Application Server Integration B2B.

In order to use the Oracle Integration offering, you must separately license the Oracle Database (any edition).

## Integration Adapters

There are four types of integration adapters: application, legacy, technology, and B2B.

Application, legacy, and B2B adapters must be purchased separately to work with Oracle Application Server Integration B2B and Oracle Application Server Integration InterConnect. Application, legacy, and B2B adapters are licensed using the Processor metric. These adapters cannot be licensed using the Named User Plus metric.

**See Also:** ["Metric Definitions"](#) in Chapter 1

Technology adapters are included when you separately license Oracle Integration. Technology adapters do not require separate licenses.

[Table 1-4, "Integration Adapters"](#) in Chapter 1 lists the available adapters by adapter type.

## Restricted-Use Licenses

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

- Oracle HTTP Server and its modules are provided for running Oracle Integration only.
- Oracle Application Server Containers for J2EE (OC4J) is provided for running Oracle Integration only.
- Oracle Workflow is included for use with Oracle Application Server Integration InterConnect and Oracle Application Server Integration B2B.
- 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 Integration strictly for storing Oracle Application Server Integration InterConnect metadata.

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**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.

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## Oracle Management Packs for Oracle Application Server

The sections that follow describe the two Oracle Management Packs for Oracle Application Server:

- [Oracle Application Server Diagnostics Pack](#)
- [Oracle Application Server Configuration Management Pack](#)

The management packs can be purchased with any of the Oracle Application Server editions.

The features in the two management packs are accessible through Oracle Enterprise Manager 10g Grid Control. All Oracle Enterprise Manager 10g Application Server Control functionality is included with any of the Oracle Application Server editions.

## Enabling and Disabling the Oracle Management Packs for Oracle Application Server

Oracle Enterprise Manager 10g automatically enables the features included in both of the Oracle Management Packs for Oracle Application Server. If you have not licensed one or both of the packs, you can disable the functionality for each pack in the Oracle Enterprise Manager 10g Grid Control Console with the following procedure.

1. Ensure that the version of Oracle Enterprise Manager 10g Grid Control that you are using is at least release 10.1.0.3.0.

To check your Grid Control version, log in to the Grid Control Console and click **About Oracle Enterprise Manager** at the bottom of any page. If the version is pre-10.1.0.3.0, apply the Oracle Enterprise Manager 10g release 10.1.0.3.0 patchset, which is available from *OracleMetaLink*. The patchset readme contains the installation instructions.

2. Log in to the Grid Control Console as a super administrator.
3. Click **Setup** in the upper right corner of the page.
4. Click **Management Pack Access** on the left side of the page.

The Management Pack Access page contains a list of the available packs and a brief description of each pack.

5. For each pack, choose either the **Grant Access** or the **Remove Access** option. The default option for each pack is **Grant Access**.

ORACLE Enterprise Manager 10g  
Grid Control

Home Targets Deployments Alerts Jobs Management System

Setup Preferences Help Logout

Setup

Roles  
Administrators  
Notification Methods  
Patching Setup  
Blackouts  
Registration Passwords  
Management Pack Access

### Management Pack Access

Oracle Enterprise Manager 10g Grid Control provides central management for your entire Oracle environment. Some premium functionality contained within this release of Enterprise Manager 10g Grid Control requires a separate Oracle license. Use the buttons below to enable or disable access to each Management Pack. Apply

Management Pack	Grant Access	Remove Access
<b>Application Server Diagnostics Pack</b> <ul style="list-style-type: none"> <li>• Historical/trending data (Application Server and Host)</li> <li>• Server Tracing</li> <li>• Page Performance</li> <li>• Event Notifications: Notification Methods, Rules and Schedules</li> <li>• Event history/metric history (Application Server and Host)</li> <li>• Blackouts</li> </ul>	<input checked="" type="radio"/>	<input type="radio"/>
<b>Application Server Configuration Pack</b> <ul style="list-style-type: none"> <li>• Application Server and Host Configuration</li> <li>• Deployments</li> <li>• Patch Database and View Patch Cache</li> <li>• Patch staging</li> <li>• Clone Database</li> <li>• Clone Oracle Home</li> <li>• Search configuration</li> <li>• Compare configuration</li> <li>• Policies</li> </ul>	<input checked="" type="radio"/>	<input type="radio"/>

6. Click **Apply**.

After performing these steps, any administrator who logs into the Grid Control Console will not be able to access Management Pack functionality that you have disabled. When you disable a Management Pack, links that are part of that pack will either be disabled or, when a link is clicked, a message will indicate that the associated pack is not licensed for use.

## Oracle Application Server Diagnostics Pack

The Oracle Application Server Diagnostics Pack ensures high availability of mission-critical applications by reducing the complex tasks of diagnosing and correcting application performance problems. This pack provides automatic performance diagnostic and advanced system monitoring functionality. The Diagnostics Pack includes the following features:

- Advanced alert management features for your application server, application server components, and host systems on which the application server and its components are running
  - Notification methods (including email, page, scripts, and SNMP traps)
  - Notification rules
  - Notification scheduling
  - Blackouts
  - User-defined metrics
  - Metric baselines
  - Response actions for alerts
- Historical data collection for performance and availability metrics and alerts for your application server, application server components, and host systems on which the application server and its components are running
- Top diagnostic reports, including Top JSPs, Top Servlets, Top EJB Methods, and Top URLs
- Application Service Level Management
  - Monitoring of end-user page performance
  - Interactive transaction tracing through the client, middle tier, and database tiers
  - Detailed tracing of network, JSP, EJB, and JDBC/SQL calls
  - Correlation of middle-tier performance to application component metrics

In order to use the features listed above, you must purchase licenses for the Oracle Application Server Diagnostics Pack. The following list itemizes the Enterprise Manager links and areas that require licensing of the Diagnostics Pack.

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**Note:** All Oracle Enterprise Manager 10g Application Server Control functionality is included with each edition of Oracle Application Server. The links and areas that require the Diagnostics Pack are all part of Oracle Enterprise Manager 10g Grid Control, and are listed in bold.

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### Grid Control: General

All of the Grid Control pages have a set of four links in the top right corner: Setup, Preferences, Help, and Logout.

- When you click the Preferences link, there are three links on the Preferences page that are part of the Diagnostics Pack:
  - **My Rules**
  - **Public Rules**
  - **Schedule**
- When you click the Setup link, there are two links on the Setup page that are part of the Diagnostics Pack:
  - **Notification Methods**
  - **Blackouts**

### Grid Control: Targets Tab

When you choose the Targets tab in the Grid Control Console, you get a row of subtabs categorizing the targets.

- When you choose the Application Servers subtab, you get a table that lists your application servers.
  - In the **Availability** column there are icons indicating the availability status of each application server. The icons are links, and the links are part of the Diagnostics Pack.
- When you choose the Web Applications subtab, you get a table that lists your deployed applications.
  - In the **Status** column there are icons indicating the condition of each application. The icons are links, and the links are part of the Diagnostics Pack.
  - In the **Availability** column there are percentages indicating the availability of each application. These percentages are links, and the links are part of the Diagnostics pack.

### Grid Control: Alerts Tab

When you choose the Alerts tab in the Grid Control Console, you get a row of subtabs categorizing the alerts.

- When you choose any of the subtabs, you get a table that lists all targets in the subtab category.
  - Each table has a **Message** column. The Message column contains a brief statement about the target. These statements are links, and the links are part of the Diagnostics Pack.

### Grid Control: Group Home Page

When you choose the Targets tab, then the Groups subtab, there is a table that lists your targets by group. When you choose a group link from the table, it takes you to the Group Home Page.

- On the Home subtab, there is an Alerts section.
  - In the **Alerts** section, there are icons and links that indicate the type and number of alerts. The icons are also links, and both of these sets of links are part of the Diagnostics Pack.

- At the bottom of the Home subtab, there is a Related Links section. Three of the links in this section are part of the Diagnostics Pack:
  - **Alert History**
  - **Blackouts**
  - **Summary Metrics**

#### **Grid Control: Group Page Subtabs**

When you choose the Targets tab, then the Groups subtab, there is a table that lists your targets by group. When you choose a group link from the table, it takes you to the Group Home Page.

- When you choose the Member Targets subtab of the Group Home Page, there is a table that lists that application server's components.
  - The **Availability** column contains icons that indicate the availability of each member target. The icons are links, and the links are part of the Diagnostics Pack.
- The entire **Performance** subtab is part of the Diagnostics Pack.

#### **Grid Control: Application Server Home Pages and Component Home Pages**

You can access application server home pages from the Application Servers subtab of the Targets tab. From an application server home page, you can access the component home pages for each component of that application server.

- On the application server or component home page, there is a General section at the top of the page.
  - The General section lists the **Availability** % for the application server. This number is a link, and the link is part of the Diagnostics Pack.
- Next to the General section on the home page is a chart.
  - The **chart** on each page is a link, and the link is part of the Diagnostics Pack.
- On the application server and component home pages, there is an Alerts section.
  - In the **Metric** column, the alert statement is a link, and the link is part of the Diagnostics Pack.
- At the bottom of the application server and component home pages, there is a Related Links section. Two of the links in this section are part of the Diagnostics Pack:
  - **Alert History**
  - **Blackouts**
  - Additionally, when you choose the Manage Metrics link in this section:
    - \* Specifying a **Response Action** on the Thresholds subtab is part of the Management Pack
    - \* The **Metric Baselines** subtab on the Manage Metrics page is part of the Diagnostics Pack

#### **Grid Control: Application Server J2EE Applications Page**

You can access application server home pages from the Application Servers subtab of the Targets tab. The J2EE Applications subtab is located on the application server home pages.

- On the J2EE Applications page there is a table that lists all of your J2EE applications.
  - In the J2EE Applications table, in the **Name** column, the name of each application is a link. These links are part of the Diagnostics Pack.

#### **Grid Control: Application Server Web Applications Page**

You can access the application server home pages from the Application Servers subtab of the Targets tab. The Web Applications subtab is located on the application server home pages.

- On the Web Applications page there is a table that lists all of your Web applications and their status.
  - In the table, all of the links in the **Status** column are part of the Diagnostics Pack.

#### **Grid Control: Application Server Performance Pages and Performance Subtabs**

You can access the application server home pages from the Application Servers subtab of the Targets tab. The Performance subtab is located on these pages.

- The entire **Performance page** and all of the links contained on it are part of the Diagnostics Pack.

#### **Grid Control: OC4J Home Page**

You can access the application server home pages from the Application Servers subtab of the Targets tab. The Components section of the application server home page has a link called "home" that goes to the OC4J component home page.

- On the OC4J component home page, there is an Applications subtab.
  - **All links** on the Applications page are part of the Diagnostics Pack.
- There is a Response and Load section on the OC4J component home page that displays a chart.
  - The **chart** is a link, and the link is part of the Diagnostics Pack.
- On the OC4J component home page, there is an Alerts section.
  - In the **Metric** column, the alert statements are links, and the links are part of the Diagnostics Pack.
- At the bottom of the OC4J home page, there is a Related Links section. Two of the links in this section are part of the Diagnostics Pack:
  - **Alert History**
  - **Blackouts**
  - Additionally, when you choose the Manage Metrics link in this section:
    - \* Specifying a **Response Action** on the Thresholds subtab is part of the Management Pack
    - \* The **Metric Baselines** subtab on the Manage Metrics page is part of the Diagnostics Pack

#### **Grid Control: Web Application Home Page**

You can access Web application home pages from the Web Applications subtab of the Targets tab. From a Web application home page, you can access the application home page for each application.

- On the application home page, there is a General section at the top of the page.
  - The General section lists the **Availability** % for the application. This number is a link, and the link is part of the Diagnostics Pack.
- On the application home page, there is an Alerts section.
  - In the **Metric** column, the alert statement is a link, and the link is part of the Diagnostics Pack.
- On the application home page, there is a Related Alerts section.
  - In the **Metric** column, the alert statement is a link, and the link is part of the Diagnostics Pack.
- At the bottom of the application home page, there is a Related Links section. Two of the links in this section are part of the Diagnostics Pack:
  - **Alert History**
  - **Blackouts**

#### **Grid Control: Web Application Transaction Performance Page**

You can access Web application home pages from the Web Applications subtab of the Targets tab. The Transaction Performance subtab is located on the Web application home pages.

- At the bottom of the Transaction Performance page there is an All Transactions section. In this section there is a Manage Transactions button, which takes you to the Manage Transactions page.
  - On the Manage Transactions page, the **Play with Trace** button is part of the Diagnostics Pack.

#### **Grid Control: Web Application Page Performance Page**

You can access Web application home pages from the Web Applications subtab of the Targets tab. The Page Performance subtab is located on these pages.

- The entire **Page Performance page** is part of the Diagnostics Pack.

#### **Grid Control: Web Application Page Components Page**

You can access Web application home pages from the Web Applications subtab of the Targets tab. The Components subtab is located on these pages.

- The Components page contains a Component Summary table that contains information about each of the Web application components.
  - The **Status** column in the table contains icons that display the status of each component. These icons are links, and the links are part of the Diagnostics Pack.
  - The **Availability** % column in the table contains percentage values for the availability of each component. These values are links, and the links are part of the Diagnostics Pack.

#### **Grid Control: Host Home Page**

When you choose the Targets tab, then the Hosts subtab, there is a table that lists your application server hosts. When you choose the hosts link from the table, it takes you to the host home page.

- On the host home page, there is a General section at the top of the page.



- The General section lists the **Availability** % for the host. This number is a link, and the link is part of the Diagnostics Pack.
- On the host home page, there is an Alerts section.
  - In the **Metric Name** column, the alert statement is a link, and the link is part of the Diagnostics Pack.
- At the bottom of the host home page, there is a Related Links section. Four of the links in this section are part of the Diagnostics Pack:
  - **All Metrics**
  - **Alert History**
  - **Blackouts**
  - **User-Defined Metrics**
  - Additionally, when you choose the Manage Metrics link in this section:
    - \* Specifying a **Response Action** on the Thresholds subtab is part of the Management Pack
    - \* The **Metric Baselines** subtab on the Manage Metrics page is part of the Diagnostics Pack

#### **Grid Control: Host Performance Page**

From the host home page, you can access the Performance subtab for that host.

- The entire **Performance** page is part of the Diagnostics Pack.

#### **Grid Control: Host Targets Page**

From the host home page, you can access the Targets subtab for that host.

- On the host targets page, there is a table that lists the current host's targets.
  - In the **Availability** column, the icons that indicate the availability are links, and the links are part of the Diagnostics Pack.

## **Oracle Application Server Configuration Management Pack**

The Oracle Application Server Configuration Management Pack improves the efficiency and reliability of software configuration, patching, cloning, policy management, and hardware and software inventory tracking. The Configuration Management Pack includes the following features:

- Hardware and software inventory management
- Provisioning, including staging and applying Oracle Application Server patches and Oracle Application Server Oracle home cloning
- Policy management that ensures consistency of Oracle Application Server deployments, system security, and adherence to operation standards
- Configuration search and analysis, such as searching and comparing configurations across multiple hosts

In order to use the features listed above, you must purchase licenses to the Oracle Application Server Configuration Management Pack. The following list itemizes the Enterprise Manager links that require licensing of the Configuration Management Pack.

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**Note:** All Oracle Enterprise Manager 10g Application Server Control functionality is included with each edition of Oracle Application Server. The links and areas that require the Configuration Management Pack are all part of Oracle Enterprise Manager 10g Grid Control, and are listed in bold.

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All of the Grid Control pages have a set of four links in the top right corner: Setup, Preferences, Help, and Logout.

- When you click the Setup link, there is a set of links on the left side of the Setup page:
  - The **Patching Setup** link is part of the Configuration Management Pack.

#### **Grid Control: Home Page**

- On the Grid Control Home Page, there is a Critical Patch Advisories section.
  - **All of the links** in the Critical Patch Advisories section are part of the Configuration Management Pack.
- There is also a Deployments Summary section on the Grid Control Home Page.
  - **All of the links** in the Deployments Summary section are part of the Configuration Management Pack.

#### **Grid Control: Deployments Page**

On the Grid Control Home Page, there is a Deployments tab.

- The entire **Deployments** page is part of the Configuration Management Pack.

#### **Grid Control: Targets Tab: Groups**

When you choose the Targets tab in the Grid Control Console, you get a row of subtabs categorizing the targets.

- When you choose the Groups subtab, you get a table that lists your targets in groups.
  - In the **Policy Violations** column there are links indicating the number of policy violations for each group. These links are part of the Configuration Management Pack.

#### **Grid Control: Application Server and Component Home Pages**

You can access application server home pages from the Application Servers subtab of the Targets tab. From an application server home page, you can access the component home pages for each component of that application server.

- On the application server and component home pages, there is a General section at the top of the page.
  - The General section shows the **Oracle Home** for the application server. The path to the Oracle Home is a link, and the link is part of the Configuration Management Pack.
  - For some components, the General section also includes the number of **Policy Violations** for the component. This number is a link, and the link is part of the Configuration Management Pack.

- At the bottom of the application server and component home pages, there is a Related Links section.
  - The **Patch** link in the Related Links section is part of the Configuration Management Pack.

#### **Grid Control: Host Group Page**

From the Targets page, when you choose the Groups subtab, you can access the home pages for all of your application server host groups.

- On the Host Group page, there is an Advice section.
  - The Advice section lists the number of **Policy Violations** for the host group. This number is a link, and the link is part of the Configuration Management Pack.

#### **Grid Control: Host Home Page**

From the Host Group page, you can choose the Member Targets subtab to list all of the application server hosts in the group. Click the name of the host to go to the individual host home page.

- On the right side of the host home page there is a Configuration section.
  - **All of the links** in the Configuration section are part of the Configuration Management Pack.
- On the left side of the host home page there is a General section.
  - The General section lists the number of **Policy Violations** for the host. The number is a link, and the link is part of the Configuration Management Pack.
- At the bottom of the host home page, there is a Related Links section. The **Deployments** link in this section is part of the Configuration Management Pack.

#### **Grid Control: Host Targets Page**

When you choose the Targets subtab on the host home page, there is a table that lists all of the targets for the host and various information about each one.

- In the table there is an Oracle Home column that lists the location of the target.
  - The links in the **Oracle Home** column are part of the Configuration Management Pack.
- There is also a Policy Violations column.
  - The links in the **Policy Violations** column are part of the Configuration Management Pack.

#### **Grid Control: Host Configuration Page**

On the host home page, there is a Configuration subtab.

- The entire **Configuration** page is part of the Configuration Management Pack.

#### **Grid Control: Jobs Tab**

When you choose the Jobs tab, there is a Results section at the bottom of the page.

- In the Results section, there is a Create Job option with a list of job types and a Go button. The **CloneHome**, **Patch**, and **RefreshFromMetalink** jobs are part of the Configuration Management Pack.

