

Oracle® Application Server 10g

Forms and Reports Services Release Notes

10g (9.0.4) for Windows

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Welcome to Oracle Application Server 10g (9.0.4) Forms and Reports Services. This document contains information that is specific for installing, configuring, and using Oracle Application Server 10g (9.0.4) Forms and Reports Services:

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1 Documentation Accessibility

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2 About This Installation Type

Oracle Application Server Forms and Reports Services allows you to install and configure Forms and Reports Services without the need to install and configure all of Oracle Application Server 10g.

This type of installation is suited best for users who want to upgrade Forms applications to the Grid environment in two phases. In phase one, they move to the Grid environment by upgrading their client server based Forms applications to Web-based ones. In phase two, users can then choose to use the services offered by an existing Oracle Application Server Infrastructure installation.

2.1 Restrictions with This Installation Type

Oracle Application Server Forms and Reports Services provides no Infrastructure service, such as Single Sign-On or Identity Management integration. However, Infrastructure services are available with the Business Intelligence and Forms Installation type.

Furthermore, it is not possible to associate or link this installation with an Infrastructure at a later point in time.

If you wish to take advantage of Infrastructure features, you'll need to install an instance of Oracle Application Server with Business Intelligence and Forms, and move your applications to this new installation.

3 Available Features with This Installation Type

When you install Oracle Application Server Forms and Reports Services, you'll have access to these features:

- [Oracle Application Server Forms Services](#)
- [Oracle Application Server Reports Services](#)
- [Oracle HTTP Server](#)
- [Oracle Application Server Web Cache](#)
- [Oracle Containers for Java \(OC4J\)](#)
- [Oracle Enterprise Manager](#)
- [Oracle Process and Management Notification \(OPMN\)](#)
- [Distributed Configuration Management \(DCM\)](#)

3.1 Oracle Application Server Forms Services

Oracle Application Server Forms Services deploys Forms applications with database access to Java clients in a Web environment. Oracle Application Server Forms Services automatically optimizes class downloads, network traffic, and interactions with Oracle database. Applications are automatically load-balanced across multiple servers and, therefore, can easily scale to service any number of requests.

3.2 Oracle Application Server Reports Services

Oracle Application Server Reports Services provides an easy-to-use, scalable, and manageable solution for high-quality database publishing and reporting by creating dynamic reports for the Web and across the enterprise. It enables you to implement a multitiered architecture for running your reports.

3.3 Oracle HTTP Server

Oracle HTTP Server is the Web server that Oracle Application Server uses, which is built on Apache Web server technology. Oracle HTTP Server offers scalability, stability, speed, and extensibility. It also supports Java servlets, Java Server Pages (JSPs), Perl, PL/SQL, and CGI applications.

3.4 Oracle Application Server Web Cache

Oracle Application Server Web Cache is a server accelerator caching service that improves the performance, scalability, and availability of frequently used e-business Web sites that run on the Oracle platform. By storing frequently accessed URLs in virtual memory, Oracle Application Server Web Cache eliminates the need to repeatedly process requests for those URLs on the Web server, and it caches both static and dynamically-generated HTTP content from one or more applications Web servers.

3.5 Oracle Containers for Java (OC4J)

Oracle Application Server Containers for Java is a complete set of J2EE containers written entirely in Java that execute on the Java Virtual Machine (JVM) of the standard Java Development Kit (JDK).

3.6 Oracle Enterprise Manager

Oracle Enterprise Manager Application Server Control (from here on Application Server Control) provides you with the management tools you need to monitor and administer Oracle Application Server instances. Application Server Control is installed with every instance of Oracle Application Server.

Application Server Control provides Web-based management tools designed specifically for Oracle Application Server. Using Application Server Control, you can monitor and configure components of your application server. You can deploy applications, manage security, and create and manage Oracle Application Server clusters.

Application Server Control consists of the following:

- The Enterprise Manager Home pages you use to manage Oracle Application Server and its components: These Web pages provide you with a high-level view of your Oracle Application Server environment. From these pages you can drill down for more detailed information on administration, configuration, and performance monitoring. These pages allow you to administer the application server and its components and deployed applications.
- The underlying software technologies that keep track of your application server instances and components: These technologies automatically perform many management tasks. For example, they discover the components of each

application server instance, gather and process performance data, and provide access to application configuration information.

Application Server Control is installed as part of the Oracle Application Server installation process.

3.7 Oracle Process and Management Notification (OPMN)

Oracle Process Manager and Notification Server (OPMN): OPMN provides process control and monitoring for application server instances and their components. It gathers component status information, and distributes the status information to components that are interested in it. The Application Server Control uses OPMN for such tasks as starting and stopping the components of your application server instance.

3.8 Distributed Configuration Management (DCM)

Distributed Configuration Management (DCM): DCM manages configurations among application server instances that are associated with a common Metadata Repository. It enables Oracle Application Server cluster-wide deployment so you can deploy an application to one instance and have it automatically propagated to the entire cluster. You can also make a single host or instance configuration change to one instance and have it propagated across all instances in the cluster. Application Server Control uses DCM to make configuration changes and to propagate configuration changes and deployed applications across the cluster.

4 Before You Start Installing Software

Before starting the software installation, please take the time to read the following documents:

1. Read this document first, which includes Release Notes for Oracle Application Server Forms and Reports Services.
2. Read the *Oracle Application Server 10g (9.0.4) Forms and Reports Services Installation Guide*

This document explains what you need to know and to do when installing this installation type.
3. If you are upgrading from Oracle Forms 6i to Oracle Forms10g, read the white paper "Forms 6i to Oracle9i Forms Upgrade Reference" at http://otn.oracle.com/products/forms/pdf/forms_upgrade_reference.pdf.

5 Other Sources of Information

The following sources provide additional information:

- Online help, available in Oracle Forms Developer, Oracle Reports Developer, and Oracle Enterprise Manager
- *Oracle Application Server Forms Services Deployment Guide*
- *Oracle Forms Migration Guide*
- *Oracle Application Server Reports Services Publishing Reports to the Web*
- *Oracle Application Server 10g Concepts*

- *Oracle Application Server 10g Administrator's Guide*
- *Oracle Application Server 10g Release Notes*
- Oracle Technology Network (<http://otn.oracle.com/>).

6 General Issues

6.1 Broken Links In Demo Page

(3295997) Portal, Wireless and Discoverer are not part of the Oracle Application Server Forms and Reports Services install type. Therefore, the links to the Portal and Wireless Demos under the "Portal and Wireless" page and the Discoverer demo under the "Business Intelligence and Forms" page are broken in the Demonstrations tab of the Oracle HTTP Server Welcome Page.

7 Oracle Application Server Forms Services Release Notes

- [General Issues and Workarounds](#)
- [Configuration Issues and Workarounds](#)
- [Oracle Application Server Forms Services Issues](#)
- [Oracle Application Server Forms Services Known Bugs](#)
- [Oracle Forms Services Documentation Errata](#)

7.1 General Issues and Workarounds

There is no need to recompile your 9.0.2 Oracle Forms applications when upgrading to Oracle Application Server 10g Forms and Reports Services install type.

7.1.1 Monitoring CPU Usage and Response Time in Windows

On the System Component Tables in Enterprise Manager, the CPU and Memory statistics are collected every minute, by default. Note that this potentially can mean that any CPU spikes will not be displayed. In addition, if Forms server processes are dormant, awaiting client activity or requests, it is perfectly normal for the CPU usage to report 0.0%.

On the Forms Overview page, the CPU and Memory statistics are gathered each time the page is rendered when you click the Overview Tab or when you click the refresh icon next to the timestamp. However, due to an operating system restriction in Windows, if the Response Time from the Forms Servlet is less than 16ms, it will display as 0.00ms.

7.1.2 Known issues with Enterprise Manager When Using Pre-Started Forms Processes

Enterprise Manager displays pre-started processes when `em_mode` is set to 1. However, there are some known issues in this area.

When a process exists, but has no client attached to it, the IP address is blank on the User Sessions page. Once the process is attached, it shows as 'null' rather than showing the real IP address of the connected client.

The other columns, such as Connect Time and User ID, already update properly.

If there are pre-started processes that have no client attached, then the Search functionality on the User Sessions page will not work properly, and all searches will fail to find any processes. If you stop these non-attached processes, Search will once again function properly.

Sorting by clicking on the column headers still works properly even if there are non-attached processes, so this may also be used as an alternate workaround for finding specific processes.

7.2 Configuration Issues and Workarounds

For more information, see Chapter 7 of *Oracle Application Server 10g (9.0.4) Release Notes*.

7.3 Oracle Application Server Forms Services Issues

7.3.1 Disable Single Sign-On Before Migrating from Forms Services 9.0.2

If you've upgraded from 9.0.2 with SSO to Oracle Application Server 10g Forms and Reports Services, make sure that the parameter `ssoMode` in `formsweb.cfg` is set to `false` in order to run your application with this install type.

7.4 Oracle Application Server Forms Services Known Bugs

For more information, see Chapter 7 of *Oracle Application Server 10g (9.0.4) Release Notes*.

7.5 Oracle Forms Services Documentation Errata

For more information, see Chapter 7 of *Oracle Application Server 10g (9.0.4) Release Notes*.

8 Oracle Application Server Reports Services Release Notes

- [General Issues and Workarounds](#)
- [Configuration Issues and Workarounds](#)
- [Oracle Application Server Reports Services Issues](#)
- [Oracle Application Server Reports Services Known Bugs](#)
- [Oracle Reports Services Documentation Errata](#)

8.1 General Issues and Workarounds

8.1.1 Oracle9i JDeveloper integration

8.1.1.1 Deadlock when debugging JSP reports in Oracle9i JDeveloper When debugging an OracleAS Reports Services JSP in JDeveloper, you must disable any breakpoints that are not of source type. If you do not disable these breakpoints, a deadlock is detected. You can disable breakpoints that are not of source type in the Breakpoints window.

8.1.1.2 Graphs not appearing in Oracle9i JDeveloper When running a JSP report with the `rw:graph` tag in JDeveloper, the image is not visible in the browser. To fix this problem, set the `IMAGEURL` in the `rwervlet.properties` file in `ORACLE_HOME/reports/conf`:

```
IMAGEURL=http://host:port/Workspace-Project-context-root/ser  
vlet/oracle.reports.rwclient.RWClient
```

8.1.2 Reports Server Security

By default, Oracle Reports Services is non-secure in this install type.

8.2 Configuration Issues and Workarounds

For more information, see Chapter 16 of *Oracle Application Server 10g (9.0.4) Release Notes*.

8.3 Oracle Application Server Reports Services Issues

8.3.1 Oracle Reports Integration

Oracle Reports integration features such as Oracle Application Server Single Sign-On, Oracle Internet Directory, OracleAS Portal, OracleAS Discoverer, Oracle Express Server, Oracle Workflow, and Oracle Wireless will not work with this release of Oracle Application Server Forms and Reports Services.

8.4 Oracle Application Server Reports Services Known Bugs

For more information, see Chapter 16 of *Oracle Application Server 10g (9.0.4) Release Notes*.

8.5 Oracle Reports Services Documentation Errata

For more information, see Chapter 16 of *Oracle Application Server 10g (9.0.4) Release Notes*.

