

**Oracle<sup>®</sup> Retail Service Layer  
Installation Guide  
Release 12.0  
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The Oracle Retail Service Layer development team delivers RSL “applications” only for non-Java/J2EE service providers such as RMS (Oracle Forms based). Other implementations of RSL exist but are bundled within other Oracle Retail J2EE applications and are installed as part of those applications. Currently RSL provides an implementation for integrating applications to RMS. RPM is the only Oracle Retail J2EE application that provides an implementation of RSL integrated with their application.

An application-specific version of RSL in a J2EE environment is referred to as RSLfor<App> (for this release only RSLforRMS). This application is packaged as an EAR file that must be deployed in an application server. Currently, RSL applications have been certified to install and execute in Oracle Application Server 10g.

## Audience

This manual is designed for System Administrators, Developers, and Applications Support personnel installing the RSL for <app> implementation provided by the RSL team.

## Related Documents

You can find more information about this product in these resources:

- Oracle Retail Service Layer Release Notes
- Oracle Retail Service Layer Programmer’s Guide

## Customer Support

- <https://metalink.oracle.com>

When contacting Customer Support, please provide:

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



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# RSLfor<App> Installation and Configuration for Oracle Application Server 10g

## Prerequisites

- Oracle Application Server 10g instance properly installed and configured.
- Service Providing Application must have all of the RSL components installed (e.g. Stored Procedures, Tables, Oracle Objects). Refer to that application's installation guide for specifics.

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**Note:** In this document, OAS\_INSTANCE\_HOME refers to the home directory of the default J2EE component of the Oracle Application Server installation. For instance, assuming that Oracle AS was installed in the /u00/product/10.1.3/OracleAS\_1 directory, the OAS\_HOME variable will refer to the /u00/product/10.1.3/OracleAS\_1/j2ee/home directory.

**Note:** In this document, OC4J\_INSTANCE\_HOME refers to the home directory of the J2EE component of the Oracle AS installation where the RSLfor<app> will be installed (which can be different from the OAS\_INSTANCE\_HOME described above). For instance, assuming that Oracle AS was installed in the /u00/product/10.1.3/OracleAS\_1 directory and a oc4j instance called oc4j2 has been created, the OC4J\_INSTANCE\_HOME variable will refer to the /u00/product/10.1.3/OracleAS\_1/j2ee/oc4j2 directory.

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## Preliminary Steps

Configuration scripts are provided to deploy and configure the RSLfor<app> application in Oracle AS, including its JDBC DataSource and shared library using the OC4J command-line utility.

1. Log into the UNIX server where Oracle AS is installed and determine where the RSL 12.0.0 application server file (rslpak1200for<app><app\_version>\_eng\_ga.tar) will be installed. There should be a minimum of 25 MB disk space available for the application installation files.
2. Copy rslpak1200for<app><app\_version>\_eng\_ga.tar located at CD/appserverunix to a newly created staging directory on the UNIX server.
3. Change directories to the location of rslpak1200for<app><app\_version>\_eng\_ga.tar and extract this file. This will create two directories: /BOM and /RSL1200for<App>. RSL\_INSTALL\_HOME refers to the directory structure including the newly created /RSL1200for<App>

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**Example:**

/u00/product/10.1.3/OracleAS\_1/RSL1200forRMS

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4. Edit the following parameters in the RSL\_INSTALL\_HOME/oas/config/rsl-config.properties file to configure Oracle AS for the RSLfor<App> application.
  - **OC4J\_HOME:** Value of OC4J\_INSTANCE\_HOME (e.g. /u00/product/10.1.3/OracleAS\_1/j2ee/oc4j2)
  - **JAVA\_HOME:** The directory where Java is installed.
  - **is\_managed\_oc4j:** true if installing RSLfor<app> on Oracle Application Server; false if installing on an OC4J standalone instance.
  - **oc4j\_host\_name:** Host name of the server where Oracle AS is installed (e.g. server)
  - **opmn\_request\_port:** Management port number of the Oracle AS instance. Not required if RSLfor<app> is installed on a standalone version of OC4J (e.g. 6004)
  - **oc4j\_ormi\_port:** ORMI port of the OC4J standalone instance. Not applicable if RSLfor<app> is installed on a managed OC4J instance. (e.g. 23791)
  - **oas\_instance\_name:** The Oracle AS instance name. Not applicable if RSLfor<app> is installed on an OC4J standalone instance. (e.g. OAS.server)
  - **oc4j\_instance\_name:** OC4J instance name. Not applicable if RSLfor<app> is installed on an OC4J standalone instance. (e.g. oc4j2)
  - **oc4j\_admin\_user:** OC4J administrator account (e.g. admin)
  - **oc4j\_admin\_password:** Password for the OC4J administrator account (e.g. admin)
  - **datasourceJdbcUrl:** JDBC URL to the <App> database (e.g. jdbc:oracle:thin:@dbserver01:1521:dbname)
  - **datasourceUserId:** <App> schema username for the <App> database (e.g. rms12dev)
  - **datasourcePassword:** <App> schema user password for the <App> database (e.g. retek)

## Install RSLfor<App>

Ensure the Oracle Application Server is running. From `RSL_INSTALL_HOME/oas`, run the `rslinstall.sh` script. This will perform the following:

- Creates a new directory under `$OC4J_INSTANCE_HOME` called `rsl-<app>`. This will be referred to as `RSL_LIB`
- Copies the files from the `$RSL_INSTALL_HOME/properties` directory to this new `RSL_LIB` directory
- Installs the `rsl-<app>.ear` file
- Configures OC4J specific deployment files for the `rsl-<app>` application.
- Restarts the OC4J instance.

After the script has successfully run, verify that the application is running and the Oracle DataSource was configured properly by logging into the Oracle Enterprise Manager 10g Application Server Control.



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## RSL Deployment Command-line Utility

### rsladmin

The command-line utility performs server-side administrative functions for the RSLfor<App> application. This utility can be used following the initial installation of the RSLfor<App> as described in the previous chapter.

### Commands

The following commands are available for this utility:

- **bounce:** Stops and restarts the application server.
- **stop:** Stops the application server.
- **start:** Starts the application server.
- **dellogs:** Deletes \*.log from the application server's log directory.
- **install:** Installs the RSLfor<App> application.
- **uninstall:** Uninstalls the RSLfor<App> application.
- **reinstall:** Reinstalls the RSLfor<App> application.

### Usage

Run this utility by using the following command:

```
rsladmin.sh <command>
```

### Using the rsladmin Script for Re-installing the RSLfor<App>

If the RSLFor<App> application had been previously installed, follow these steps to re-install it:

1. Edit the properties in the rsl-config.properties file for the instance of the application server where the application will be installed on. To generate the deployed ear file, run:  

```
rsladmin.sh install
```
2. Uninstall the previous RSLfor<App> instance:  

```
rsladmin.sh uninstall
```
3. Bounce the application server to accept the changes and start the RSLfor<App> application by running:  

```
rsladmin.sh bounce
```

After installation, verify that the RSLfor<App> application is running by following the steps described in the last chapter.