

Oracle® Retail Active Retail Intelligence
Installation Guide
Release 13.0.1 Patch

June 2008

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- (viii) the software component known as **Style Report™** developed and licensed by InetSoft Technology Corp. of Piscataway, New Jersey, to Oracle and imbedded in the Oracle Retail Value Chain Collaboration application.
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Preface

Oracle Retail Installation Guides contain the requirements and procedures that are necessary for the retailer to install Oracle Retail products.

Audience

This Installation Guide is written for the following audiences:

- Database administrators (DBA)
- System analysts and designers
- Integrators and implementation staff

Related Documents

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

- Oracle Retail Active Retail Intelligence Release Notes

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.

Conventions

Navigate: This is a navigate statement. It tells you how to get to the start of the procedure and ends with a screen shot of the starting point and the statement “the Window Name window opens.”

Note: This is a note. It is used to call out information that is important, but not necessarily part of the procedure.

This is a code sample
It is used to display examples of code

A hyperlink appears like this.

Preinstallation Tasks

Check Database Server Requirements

General Requirements for a database server running ARI include:

Supported on:	Versions Supported:
Database Server OS	UNIX based OS certified with Oracle RDBMS 10g Enterprise Edition Oracle Enterprise Linux 4 Patch 5 Solaris 10 (SPARC) HP-UX 11.23 (Integrity) AIX 5.3
Database Server	Oracle RDBMS 10g Release 2 Enterprise Edition (minimum 10.2.0.3 patchset required) with the following patches and components: Patches: <ul style="list-style-type: none"> ▪ 5397953 (ORA-07445: [KKPAPITGETALL()+2152] [SIGSEGV] [ADDRESS NOT MAPPED TO OBJECT] [0X34]) ▪ 5648872 (SCHEDULER ORA-07445 [OPIDSA()+321] WHEN SETTING UP CHAIN TEST) ▪ 5921386 (WRONG RESULT WITH MERGE JOINT OUTER IN THE EXECUTION PLAN) RAC Only <ul style="list-style-type: none"> ▪ 5721821 (ORA-7445[KGLOBCL] OCCURED AND INSTANCE WENT DOWN) Components: <ul style="list-style-type: none"> ▪ Oracle Database 10g ▪ Oracle Partitioning ▪ Oracle Net Services ▪ Oracle Call Interface (OCI) ▪ Oracle Programmer ▪ Oracle XML Development Kit ANSI compliant C compiler (certified with OS and database version) Perl compiler 5.0 or later x-Windows interface

Verify Single Sign-On

If a Single Sign-On is to be used, verify the Oracle Infrastructure Server 10g version 10.1.2.2 server has been installed. Verify the Mid-Tier server hosting Oracle Forms is registered with the Infrastructure Oracle Internet Directory.

Check Application Server Requirements

General requirements for an application server capable of running ARI include:

Supported on:	Versions Supported:
Application Server OS	UNIX based OS certified with Oracle Application Server 10g version 10.1.2.2 Oracle Enterprise Linux 4 Patch 5 Solaris 10 (SPARC) HP-UX 11.23 (Integrity) AIX 5.3
Application Server	Oracle Application Server Forms and Reports 10g version 10.1.2.2 Patches: <ul style="list-style-type: none"> ▪ 5861907 (IAS 10.1.2.2 PATCHSET UPDATES ORACLEHOMEPROPERTIES.XML WITH WRONG ARU_ID & ARU_I) ▪ 5632264 (NEED UPDATED TIMEZONE FILES (VERSION 4) FOR MORE DST RULE CHANGES)

Check Web Browser and Client Requirements

General requirements for client running ARI include:

Requirement	Version
Operating system	Windows 2000 or XP
Display resolution	1024x768
Processor	Pentium processor (minimum 450 MHz)
Memory	minimum of 256 MB RAM
Sun JRE Plug-in	1.4.1+
Microsoft Internet Explorer	version 5.5, 6.0 and higher

Database Installation Tasks

Before you apply the ARI 13.0.1 patch:

- Make a backup of all your objects and database schema.
- Check that RMS 13.0 is installed.
- Review the enclosed ARI 13.0.1 Patch Release Notes (rms-1301-rn.pdf).
- Review each of the enclosed defect documents.

Before copying over any files:

- Note whether customizations have been made to the module. If so, then the customizations must be reapplied over the new version of the module (or the fix may need to be applied to the custom version of the code).
- Copy the original files to a different directory before copying over them in case they need to be referred to at a later date.

Note: These instructions refer to ARI13MASTER as the Oracle owning schema.

Mount CD-ROM on the Database Server

1. Copy the ari1301dbpatch.zip file from the CD /dbserverunix directory to a newly created staging directory on your UNIX server.
2. Unzip the file by entering:
`unzip ari1301dbpatch.zip`

Alter ARI data

1. Change directories to STAGING_AREA/interface/MTS_Support
2. Log into sqlplus as ARI13MASTER and run the following command:
`SQL> @mts_realm.sql`
`SQL> @mts_realm_type.sql`
`SQL> @mts_parm.sql`
`SQL> @update_group_lookup.sql`

Application Installation Tasks

These instructions assume that Oracle Application Server 10g 10.1.2.2 Forms and Reports Services has been already been installed

Compile ARI Oracle Forms

Setup Environment Variables

1. As the oretail UNIX user, set the DISPLAY variable to the IP address plus ":0.0" (ie: 10.1.1.1:0.0) of the machine that is being used to perform the compilation from.
2. As the oretail user, set the following variables:

Note: INSTALL_DIR is the location where ARI 13 is installed.

Note: AS10GR2_ORACLE_HOME is the location where Oracle Application Server 10g 10.1.2.2 Forms and Reports Services is installed.

ORACLE_HOME=AS10GR2_ORACLE_HOME

PATH=\$ORACLE_HOME/bin:\$ORACLE_HOME/opmn/bin:\$ORACLE_HOME/dcm/bin:INSTALL_DIR/forms10gr2_scripts:\$PATH

All:

```
CLASSPATH=$ORACLE_HOME/jlib/importer:
$ORACLE_HOME/jlib/debugger.jar:$ORACLE_HOME/jlib/utj.jar:$ORACLE_HOME/jlib/ewt3.jar:$ORACLE_HOME/jlib/share.jar:$ORACLE_HOME/jlib/dfc.jar:$ORACLE_HOME/jlib/help4.jar:$ORACLE_HOME/jlib/oracle_ice.jar:$ORACLE_HOME/jlib/jewt4.jar
FORMS_BUILDER_CLASSPATH=$CLASSPATH
FORMS_PATH=INSTALL_DIR/forms/bin:$ORACLE_HOME/forms
UP=<ARI master schema owner>/<ARI master schema password>@<ARI database>
```

Solaris:

```
LD_LIBRARY_PATH=$ORACLE_HOME/lib:$ORACLE_HOME/jdk/jre/lib/sparc:
$ORACLE_HOME/jdk/jre/lib/sparc/native_threads
```

HP-UX:

```
SHLIB_PATH=$ORACLE_HOME/lib32:$ORACLE_HOME/lib:$ORACLE_HOME/jdk/jre/lib/PA_RISC:$ORACLE_HOME/jdk/jre/lib/PA_RISC/server
```

AIX:

```
LD_LIBRARY_PATH=$ORACLE_HOME/lib:$ORACLE_HOME/lib32:$ORACLE_HOME/jdk/jre/lib
LIBPATH=$LD_LIBRARY_PATH
```

Note: Verify that TNS is set up correctly by using the UP variable to successfully log into the ARI 13 schema.

Example: /u00/oracle> sqlplus \$UP

ARI Forms Installation

1. Copy all forms (*.fmb files) in the <sataging area>/forms/src directory to the INSTALL_DIR/forms/bin directory.
2. Run fmb2fmx10gr2 (in INSTALL_DIR/forms/bin) to generate ARI runtime forms – .fmx’s.
3. Check to make sure that each non-reference form (.fmb file) has a corresponding .fmx (to ensure that all non-reference .fmb’s compiled successfully). If a form fails to compile (there is no .fmx file), it has to be manually compiled with Oracle Developer Suite 10g (10.1.2.2).
4. Remove all non-reference form forms from INSTALL_DIR/forms/bin; the following syntax will leave all reference forms (fm_*.fmb) in the bin directory, while removing all other forms:


```
> for PROG in `ls *.fmb | grep -v fm_`
> do PROGNAME=`echo $PROG`
> rm $PROGNAME
> done
```
5. Copy all menus (*.mmb files) in the INSTALL_DIR/forms/src directory to the INSTALL_DIR/forms/bin directory.
6. Run mmb2mmx10gr2 (in INSTALL_DIR/forms/bin) to generate ARI runtime menus – .mmx’s.
7. Check to make sure that each .mmb file has a corresponding .mmx file. If a menu fails to compile (there is no .mmx file), it has to be manually compiled with Oracle Developer Suite 10g (10.1.2.0.2).
8. Remove all .mmb files from INSTALL_DIR/forms/bin.

Note: .err files may be created by the compilation scripts above. These files are logs of the compilation process and can be removed.

Appendix: Installation Order

This section provides a guideline for the order in which the Oracle Retail applications should be installed. If a retailer has chosen to use only some of the applications, the order is still valid, less the applications not being installed.

1. Oracle Retail Merchandising System (RMS), Oracle Retail Trade Management (RTM), Oracle Retail Sales Audit (ReSA)
2. Oracle Retail Service Layer (RSL)
3. Oracle Retail Extract, Transform, Load (RETL)
4. Oracle Retail Active Retail Intelligence (ARI)
5. Oracle Retail Warehouse Management System (RWMS)
6. Oracle Retail Allocation
7. Oracle Retail Invoice Matching (ReIM)
8. Oracle Retail Price Management (RPM)

Note: During installation of RPM, you are asked for the RIBforRPM provider URL. Since RIB is installed after RPM, make a note of the URL you enter. If you need to change the RIBforRPM provider URL after you install RIB, you can do so by editing the `jndi_provider.xml` file.

9. Oracle Retail Central Office (ORCO)
10. Oracle Retail Back Office (ORBO) or Back Office with Labels and Tags (ORLAT)
11. Oracle Retail Store Inventory Management (SIM)

Note: During installation of SIM, you are asked for the AIP provider URL. Since AIP is installed after SIM, make a note of the URL you enter. If you need to change the AIP provider URL after you install AIP, you can do so by editing the `jndi_providers_ribclient.xml` file.

12. Oracle Retail Predictive Application Server (RPAS)
13. Oracle Retail Advanced Inventory Planning (AIP)
14. Oracle Retail Integration Bus (RIB)
15. Oracle Retail Point-of-Service (ORPOS)
16. Oracle Retail Mobile Point-of-Service (ORMPOS)
17. Oracle Retail Analytics Applications
18. Oracle Retail Data Warehouse (RDW)
19. Oracle Retail Workspace (ORW)