

Oracle® Retail Active Retail Intelligence

Installation Guide

Release 10.0.4

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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

For more information, see the following documents in the Oracle Retail Active Retail Intelligence Release 10.0.4 documentation set:

- Oracle Retail Active Retail Intelligence Release Notes

Customer Support

<https://metalink.oracle.com>

When contacting Customer Support, please provide the following:

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

Review Patch Documentation

For a base release ("0" release, such as 12.0), Oracle Retail strongly recommends that you read all patch documentation before you begin installation procedures. Patch documentation can contain critical information related to the base release, based on new information and code changes that have been made since the base release.

Oracle Retail Documentation on the Oracle Technology Network

In addition to being packaged with each product release (on the base or patch level), all Oracle Retail documentation is available on the following Web site:

http://www.oracle.com/technology/documentation/oracle_retail.html

Documentation should be available on this Web site within a month after a product release. Note that documentation is always available with the packaged code on the release date.

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	OS certified with Oracle Database 10g Enterprise Edition. Options are: <ul style="list-style-type: none"> AIX 5.3
Database Server	Oracle Database 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"> 4516865 (WRONG PERMISSIONS AFTER INSTALLATION IN OH AND SUBSEQUENT DIRECTORIES) 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

Check Application Server Requirements

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

Supported on:	Versions Supported:
Application Server OS	OS certified with Oracle Application Server Forms and Reports 10g version 10.1.2.2.0. Options are: <ul style="list-style-type: none"> AIX 5.3
Application Server	Oracle Application Server Forms and Reports 10g version 10.1.2.2.0

The following change should be made on your application server

- Add the following Tag in the basejini.htm file found in the "%ORACLE_HOME%\forms<xx>]\server" folder.

```
<PARAM NAME = "mapFonts" VALUE = "yes" >
```

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
Jinitiator	1.3.1.26
Microsoft Internet Explorer	version 5.5, 6.0 and higher

Database Installation Tasks

Before you apply the ARI 10.0.3 patch:

- Make a backup of all your objects and database schema.
- Check that ARI 10.0.3.2 is installed.
- Review the enclosed ARI 10.0.4 Patch Release Notes (ari-1004-rn.pdf).
- Review each of the enclosed defect documents.
- Note the previous tech stack should work for this release. These install instruction refer to the new tech stack.

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 ARI10M as the Oracle owning schema.

Validate all Invalid Objects

1. Change directories to STAGING_AREA/utility.
2. Log into sqlplus as ARI 10 MASTER and run the following command:

```
SQL> @inv_obj_comp.sql
```

This script may need to be run more than once.
3. Go to the \$ORACLE_HOME/dbs/initpfile.ora and append the pfile with the following parameter:

```
_allow_level_without_connect_by=true
```

Application Server Installation Instructions

Note: If you have modified any forms, reports, or toolset libraries, make a backup copy so that you can reapply any custom modifications.

Mount CD-ROM on the Database Server

1. Copy the ari1004apppatch.zip file from the CD /appserverunix directory to a newly created staging directory on your UNIX server.
2. Unzip the file by entering:

```
unzip ari1004apppatch.zip
```

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 10 will be 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>

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 10 schema.

Example: /u00/oracle> sqlplus \$UP

ARI Forms Installation

1. Copy all libraries (.pll files) in the INSTALL_DIR/forms/src directory to the directories to the INSTALL_DIR/forms/bin directory.
2. Change directories to INSTALL_DIR/forms/bin.
3. Run pll2plx10gr2_ari to compile all ARI .pll's.

Note: If the pll2plx10gr2_ari script is not used and the libraries are compiled individually, then they must be compiled in the following order (which is noted in the pll2plx10gr2_ari script):

- ariiflib90.pll
 - arimessage.pll
 - ariswidget.pll
 - aristandard.pll
 - arimblock.pll
 - arimview.pll
4. Check to make sure that each .pll file has a corresponding .plx (to ensure that all .pll's compiled successfully). If a library fails to compile (there is no .plx file), it has to be manually compiled with Oracle Developer Suite 10g (10.1.2.2).
 5. Remove all newly created .plx files.
 6. Copy all forms (*.fmb files) in the <staging area>/forms/src directory to the INSTALL_DIR/forms/bin directory.
 7. Run fmb2fmx10gr2_fm (in INSTALL_DIR/forms/bin) to compile the ARI reference forms.

Note: If the fmb2fmx10gr2_fm script is not used and the libraries are compiled individually, then they must be compiled in the following order:

- fm_refer
 - fm_date
 - fm_edit
 - fm_mblk
 - fm_multi
 - fm_work
 - fm_xtet
8. Check to make sure that each reference form (fm_*.fmb) file has been compiled by verifying the time stamp changed (there may be some with no .fmx file).

Note: Disregard fm_*.fmx files should they be created. These files should be removed.

9. Remove all newly created fm_*.fmx files (reference forms should not have executable files).

10. Run `fmb2fmx10gr2` (in `INSTALL_DIR/forms/bin`) to generate ARI runtime forms – `.fmx`'s.
11. 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).
12. 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
```
13. Copy all menus (`.mmb` files) in the `INSTALL_DIR/forms/src` directory to the `INSTALL_DIR/forms/bin` directory.
14. Run `mmb2mmx10gr2` (in `INSTALL_DIR/forms/bin`) to generate ARI runtime menus – `.mmx`'s.
15. 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 (10.1.2.2).
16. 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.

Configure Oracle Application Server 10g 10.1.2.2 for ARI

Note: The proper Oracle Application Server 10g 10.1.2.2 Forms and Reports Services components must be started in order to run Oracle Forms applications.

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

1. Make a copy of the file `AS10GR2_ORACLE_HOME/forms/server/default.env`, and name it `ari.env` (for example).
2. Modify the new file `ari.env` by appending the location of the ARI forms modules to the `FORMS_PATH` variable setting, and by adding the `NLS_DATE_FORMAT` and `NLS_LANG` variables to the end of this file. Additionally, the variable `FORMS_REJECT_GO_DISABLED_ITEM=FALSE` must also be added to `ari.env` due to changes between Oracle Forms 6i and Oracle Application Server 10g 10.1.2.2.

Example:

```
FORMS_PATH=/u00/forms/bin:/u00/oracle/AS10GR2/fo
rms
NLS_DATE_FORMAT=DD-MON-RR
NLS_LANG=AMERICAN_AMERICA.UTF8
FORMS_REJECT_GO_DISABLED_ITEM=FALSE
```

3. Log into sqlplus as the ARI 10 master schema owner (ARI10M) and update the ari_language table so that WEBHELP_SERVER is correct:
 WEBHELP_SERVER is the URL http://<server>:<port>. where <server> is the name or IP address of the server where Oracle Application Server 10g 10.1.2.2 Forms and Reports Services is installed and <port> is the "Listen" value in AS10GR2_ORACLE_HOME/Apache/Apache/conf/httpd.conf

Example: SQL> update ari_language set
 WEBHELP_SERVER='http://server:7778' where lang=1;

4. Modify the file formsweb.cfg located at AS10GR2_ORACLE_HOME/forms/server by creating the ARI environment section at the end of this file. Brackets ([]) in the example below) distinguish a separate environment in this file. Variables to be set in the ARI environment section of formsweb.cfg are: envfile (from step 2 above); width, height, and separateFrame applet parameters; and starting form for the ARI application.

Example:
 [ari]

```

envfile=ari.env
width=850
height=585
separateFrame=true
form=arimstr.fmx
  
```
