Retek® Merchandising System 9.0.14

Installation Guide

Retek

The software described in this documentation is furnished under a license agreement, is the confidential information of Retek Inc., and may be used only in accordance with the terms of the agreement.

Corporate Headquarters:

Retek Inc.

Retek on the Mall

950 Nicollet Mall

Minneapolis, MN 55403

888.61.RETEK (toll free US)

+1 612 587 5000

European Headquarters:

Retek

110 Wigmore Street

London

W1U 3RW

United Kingdom

Switchboard:

+44 (0)20 7563 4600

Sales Enquiries:

+44 (0)20 7563 46 46

Fax: +44 (0)20 7563 46 10

Customer Support

Customer Support hours

Customer Support is available 7x24x365 via e-mail, phone, and Web access.

Depending on the Support option chosen by a particular client (Standard, Plus, or Premium), the times that certain services are delivered may be restricted. Severity 1 (Critical) issues are addressed on a 7x24 basis and receive continuous attention until resolved, for all clients on active maintenance. Retek customers on active maintenance agreements may contact a global Customer Support representative in accordance with contract terms in one of the following ways.

Contact Method	Contact Information
E-mail	support@retek.com
Internet (ROCS)	rocs.retek.com Retek's secure client Web site to update and view issues
Phone	1 612 587 5800

Toll free alternatives are also available in various regions of the world:

Australia	1 800 555 923 (AU-Telstra) or 1 800 000 562 (AU-Optus)
France	0800 90 91 66
United Kingdom	0800 917 2863
United States	1 800 61 RETEK or 800 617 3835
Mail	Retek Customer Support Retek on the Mall 950 Nicollet Mall Minneapolis, MN 55403

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.

Contents

Chapter 1 – Database server installation instructions

Before you apply the RMS 9.0.14 patch:

- Make a backup of all your objects and database schema.

- Check that RMS 9.0.13 is installed.

- Review the enclosed RMS 9.0.14 Patch Release Notes (rms-9014-rn.pdf).

- Review each of the enclosed SIR 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 rmsdev10 as the Oracle owning schema.

Mount CD-ROM on the Database Server

1   Mount the CD-ROM on your Database Server.

2   Copy the `rms9014dbpatch.tar.z` file from the CD /dbserverunix directory to a newly created staging directory on your UNIX server.

3   Log in to UNIX.

4   Change directories to the staging directory.

   Note: The tar file must have a .Z extension.

5   If the tar file has a "z" in lowercase, change it by typing:

   `mv rms9014dbpatch.tar.z rms9014dbpatch.tar.Z`

6   Uncompress the tar file by entering:

   `uncompress rms9014dbpatch.tar.Z`

7   Untar the tar file by entering:

   `tar xvf rms9014dbpatch.tar`

Update DDL

1   Change directories to `<staging area>/dbcs`.

2   Review and understand the scripts before running them.

3   If you have customized any objects, make modifications.

4   Log in to SQLPLUS as the `rmsdev9` user.

5   Enter the following command:

    `SQL> @startall.sql`

6   View the spool files `startall.log`, `startall2.log`, `startall3.log` when finished to verify that no errors were found.

Update control tables

1   On the server, change directories to `<staging area>/sqlplus`.

2   Log in to SQLPLUS as `rmsdev9`.

3   Enter the following command to update control tables:

    `SQL> @startall.sql`

4   View the spool file `startall.log` when finished to verify that no errors were found.

Update packages, stored procedures and functions

1   On the server, change directories to `<staging area>/db_objects`.

2   Log in to SQLPLUS as `rmsdev9`.

3   Enter the following command to update packages, procedures, and functions:

    `SQL> @startall_dbo.sql`

4   Exit SQLPlus.

5   View the spool file `startall_dbo.log` when finished to verify that no errors were found.

6   After you have compiled all these objects, validate any objects that may have become invalid. You can do this by using the Oracle utility `dbms_utility.compile_schema`.

Recompile libraries and batch programs

After the packages/procedures have been successfully compiled:

1   Copy the base RMS C programs from `<staging area>/batch/lib/src` into the appropriate directories.

2   Copy the base RMS C programs from <staging area>/batch/proc/src into the appropriate directories.

> **Note:** Additional step for clients with interface to Oracle Financials 11i
>
> Copy fifinvcu11i.pc <staging area>/of11i/batch/src into your appropriate directory.

3   Compile the batch library and base RMS C programs as directed in the RMS 9.0 install guide.

Chapter 2 – 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.
>
> **Note:** NT forms are no longer being sent compiled. They can be compiled on an NT platform from the fmbs sent if needed.

Application Server installation instructions

1   Mount the CD-ROM on your UNIX Application Server.

2   Change directories to `/appserverunix`.

3   Copy the `rms9014apppatch.tar.Z` file from the CD `/appserverunix` directory to a newly created staging directory on your UNIX Application server.

4   Log in to UNIX.

5   Change directories to the staging directory.

> **Note:** The tar file must have a .Z extension.

6   If the tar file has a Z in lowercase, change it by typing:

```
mv rms9014apppatch.tar.z rms9014apppatch.tar.Z
```

7   Uncompress the tar file by entering:

```
uncompress rms9014apppatch.tar.Z
```

8   Untar the tar file by entering:

```
tar xvf rms9014apppatch.tar
```

9   Make sure your UNIX environment is set up properly to compile Oracle Forms (see the RMS 9.0 installation guide for more information).

10   Copy the RMS forms source code (*.fmb and .mmb) located on UNIX in the `<staging area>/forms/src` to your UNIX Web forms src directory.

11   In the Web forms src directory, compile the RMS forms (*.fmb) as outlined in the RMS 9.0 installation guide, Appendix B.

12   In the Web forms src directory, compile RMS menus (*.mmb) as outlined in the RMS 9.0 installation guide, Appendix B.

13   Move all compiled forms and menus (*.fmx and *.mmx) in the Web forms src directory to the bin directory.

14   Copy the report source codes (`*.rdf`) located on UNIX in the `<staging area>/reports/src` to your UNIX Web reports src directory.

15   In the Web reports src directory, compile the RMS reports (*.rdf) as outlined in the RMS 9.0 installation guide, Appendix B.

16   Move compiled objects (`*.rep)` to the bin directory.

Appendix A

As mentioned in the Release notes, RMS 9.0.x is now supported on Oracle 8i and 9i. Below are some important notes on the upgrade and how it relates to the installation of RMS 9.0.14:

- Retek advises the application of RMS 9.014 prior to the Oracle 9i upgrade. You may encounter errors if the 9i upgrade occurs prior to 9.0.14 patch application. If you've already done the 9i upgrade, it is important to compare your approach to Retek's (through the documents mentioned above) and make the necessary adjustments.

- Retek 9 form libraries need to be recompiled against Oracle 9i. Retek 9 forms do not need to be recompiled against Oracle 9i. The forms version (6i) stays the same from Retek 9 on Oracle 8i to Retek 9 on Oracle 9i.

- Retek 9 batch programs will need to be recompiled. Batch libraries and programs will now use 64-bit libraries in Oracle 9i vs. 32-bit libraries in Oracle 8i.

- Additional information on the upgrade is on ROCS (http://www.retek.com/support) 'Announcing the support of Retek 9 on Oracle 9.2 in Q1 2004' under Product Related Announcements. DEFECT 358406 contains the code changes for the upgrade.

Upgrade Details

Retek 9 base product issues resulting from the Oracle rdbms 8i to Oracle 9i upgrade are described below.

1 In orddists.pls, the copy_ordloc function specification needs to be modified slightly to match that of the body. If it is not modified an error during compilation of order_dist_sql will occur.

Original orddists.sql

```
FUNCTION COPY_ORDLOC(O_error_message  IN OUT  VARCHAR2,
                     I_order_no       IN      ORDHEAD.ORDER_NO%TYPE,
                     I_sku            IN      ORDSKU.SKU%TYPE,
                     I_item_type      IN      DESC_LOOK.SYSTEM_IND%TYPE,
                     I_redist_ind     IN      VARCHAR2)
```

Modified orddist.sql

```
FUNCTION COPY_ORDLOC(O_error_message  IN OUT  VARCHAR2,
                     I_order_no       IN      ORDHEAD.ORDER_NO%TYPE,
                     I_sku            IN      ORDSKU.SKU%TYPE,
                     I_item_type      IN      DESC_LOOK.SYSTEM_IND%TYPE,
                     I_redist_ind     IN      VARCHAR2 DEFAULT 'N')
```

2 In rplattrs.s, the check_sku_location_status function specification needs to be modified slightly to match that of the body. If it is not modified an error during compilation of repl_attribute_mainenance_sql will occur.

Original rplattrs.pls

```
FUNCTION CHECK_SKU_LOCATION_STATUS(O_error_message IN OUT VARCHAR2,
                                   I_item          IN
repl_item_loc.item%TYPE,
                                   I_location      IN
repl_item_loc.location%TYPE,
                                   I_item_type     IN
desc_look.system_ind%TYPE,
                                   I_group_type    IN    VARCHAR2)
RETURN BOOLEAN;
```

Modified rplattrs.pls

```
FUNCTION CHECK_SKU_LOCATION_STATUS(O_error_message IN OUT VARCHAR2,
                                   I_item          IN
repl_item_loc.item%TYPE,
                                   I_location      IN
repl_item_loc.location%TYPE DEFAULT NULL,
                                   I_item_type     IN
desc_look.system_ind%TYPE,
                                   I_group_type    IN    VARCHAR2)
RETURN BOOLEAN;
```

3 The following entries for external procedures in the listener.ora needs to be made in order for the scaling functionality in RMS, which uses an external procedure, to work. Here's a sample listener.ora file with the proper external procedure entries:

```
LISTENER =
  (DESCRIPTION_LIST =
    (DESCRIPTION =
      (ADDRESS_LIST =
        (ADDRESS = (PROTOCOL = TCP)(HOST = mspdevxx)(PORT =
1521))
      )
      (ADDRESS_LIST =
        (ADDRESS = (PROTOCOL = IPC)(KEY = EXTPROC))
      )
    )
  )

SID_LIST_LISTENER =
  (SID_LIST =
    (SID_DESC =
      (SID_NAME = PLSExtProc)
      (ORACLE_HOME = /u00/oracle/product/9.2.0.2)
```

```
        (PROGRAM = extproc)
      )
    (SID_DESC =
      (PROGRAM = extproc)
      (SID_NAME = extproc_agent)
      (ENVS='EXTPROC_DLLS=ANY')
    )
  )
```

Batch

Library modifications made

IBM AIX Platform

platform_aix.mk:

- AR = ar

- ARFLAGS = -r –X64

- OBJECT_MODE=64

- LINK_CTRL = L_PTHREADS_D7

Changed {for 64-bit compilation}:

- CC =cc

- LD = cc

To:

- CC = cc –q64

- LD = cc –q64

Changed:

- include=$(RDBMSHOME)/demo \

To:

- include=${ORACLE_HOME}/rdbms/demo \

Changed:

- (I_SYM)(RDBMSHOME)/demo \

To

- (I_SYM){ORACLE_HOME}/rdbms/demo \

Added:

- include=${ORACLE_HOME}/rdbms/public \

Added:

- (I_SYM){ORACLE_HOME}/rdbms/public \

Changed:

- SHARED_SUFFIX from so to a.

oracle.pc:

- Added #include <stdlib.h>

retek.mk:

- Changed three instances of "ar –r" to $(AR) $(ARFLAGS)

Batch modifications made

SUN Solaris Platform

There are two required changes. They are:

- Library change: Oracle.pc → Added #include <stdlib.h>
- Pro*C change: Platform.mk → Added –xarch=v9a to ORACLE_LDFLAGS variable {for 64-bit compilation}