
Retek® Merchandising System™

9.0.15

Installation Guide

Corporate Headquarters:

Retek Inc.
Retek on the Mall
950 Nicollet Mall
Minneapolis, MN 55403
USA
888.61.RETEK (toll free US)
Switchboard:
+1 612 587 5000
Fax:
+1 612 587 5100

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

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Mail	Retek Customer Support Retek on the Mall 950 Nicollet Mall Minneapolis, MN 55403

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Chapter 1 – Database server installation instructions

Please refer to Appendix A for notes on upgrading to an Oracle 9i database for RMS 9.0.15

Before you apply the RMS 9.0.15 patch:

- Make a backup of all your objects and database schema.
- Check that RMS 9.0.14 is installed.
- Review the enclosed RMS 9.0.15 Patch Release Notes (rms-9015-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 `rms9015dbpatch.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 rms9015dbpatch.tar.z rms9015dbpatch.tar.Z
```

- 6 Uncompress the tar file by entering:

```
uncompress rms9015dbpatch.tar.Z
```

- 7 Untar the tar file by entering:

```
tar xvf rms9015dbpatch.tar
```

Update schema owner



Note: In order for query rewrite to work the init.ora file must have the following parameter set

```
query_rewrite_enabled=TRUE
```

User defined types are introduced in 9.0.15. Because of this ‘create any type’ needs to be granted to the schema owner.

- 1 Log in to UNIX as the `retek` user.
- 2 Log in to SQLPLUS as system.
- 3 Enter the following commands:

```
SQL> grant create any type to <RMS Schema Owner>;  
SQL> grant query rewrite to <RMS Schema Owner>;
```

Install XML



Note: This script will attempt to drop tables that may not exist in the database. This is done to insure that the correct table is being created.

- 1 Change directories to `<staging area>/xml`.
- 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> @patch9015xml.sql`
- 6 View the spool files `patch9015xml.log` when finished to verify that no errors were found.

Update DDL



Note: This script will attempt to create tables in a tablespace called `LOB_DATA`. The recommended minimum for this tablespace is 50 MB.

- 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> @patch9015dbcs.sql`
- 6 View the spool files `patch9015dbcs.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> @patch9015ctl.sql
- 4 View the spool file patch9015ctl.log when finished to verify that no errors were found.

Load Additional Data

- 1 On the server, change directories to <staging area>/xml.
- 2 Run the following command:
\$sqlldr <RMS 9 Schema Owner>/<password>
control=rib_doctypes_rms.ctl
- 3 View the spool file rib_doctypes_rms.log when finished to verify that no errors were found.

Update packages, stored procedures and functions

 **Note:** There may be deadlock when revalidating objects as long as all objects revalidate please ignore these errors.

- 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> @patch9015rms.sql
- 4 Exit SQLPlus.
- 5 View the spool file patch9015rms.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.
- 7 Enter the following command to update packages, procedures, and functions:
SQL> @patch9015rms2.sql
- 8 Exit SQLPlus.
- 9 View the spool file patch9015rms2.log when finished to verify that no errors were found.
- 10 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:



Note: All of the batch components need to be recompiled. There are new platform.mk files that may need to be copied over depending on whether the machine compiling on is 32 or 64 bit.

- 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 fifinvvcu11i.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 fmb files 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 – Database Upgrade

The following scripts are required in order for the patch to run successfully on Oracle rdbms 9i.

Mandatory Database Setup Scripts

Run the following scripts as Sys

These are mandatory scripts

Install data dictionary views

```
@$ORACLE_HOME/rdbms/admin/catalog.sql  
@$ORACLE_HOME/rdbms/admin/catproc.sql  
@$ORACLE_HOME/rdbms/admin/catblock.sql - optional but useful
```

Grant these privs to all, due to 9i security changes

```
grant select_catalog_role to public;  
grant execute_catalog_role to public;  
grant execute on dbms_lock to public;  
grant execute on dbms_rls to public;
```

The following should be run as system:

```
@$ORACLE_HOME/sqlplus/admin/pupbld.sql
```

Install XDK and XSU

```
ALTER SYSTEM SET "_system_trig_enabled"=FALSE SCOPE=MEMORY;
```

Install Java objects

```
@$ORACLE_HOME/javavm/install/initjvm.sql  
@$ORACLE_HOME/rdbms/admin/catjava.sql
```

Install XML and XSU

```
@$ORACLE_HOME/rdbms/admin/initxml.sql  
@$ORACLE_HOME/xdk/admin/xmlja.sql
```

Create public synonyms and grants

```
CREATE PUBLIC SYNONYM XMLDOM for SYS.XMLDOM;
CREATE PUBLIC SYNONYM XMLPARSER for SYS.XMLPARSER;
CREATE PUBLIC SYNONYM XSLPROCESSOR for SYS.XSLPROCESSOR;
CREATE PUBLIC SYNONYM XMLTYPE for SYS.XMLTYPE;
CREATE PUBLIC SYNONYM XMLQUERY for SYS.DBMS_XMLQUERY;
GRANT EXECUTE ON XMLDOM TO PUBLIC;
GRANT EXECUTE ON XMLPARSER TO PUBLIC;
GRANT EXECUTE ON XMLTYPE TO PUBLIC;
GRANT EXECUTE ON XSLPROCESSOR TO PUBLIC;
GRANT EXECUTE ON XMLQUERY TO PUBLIC;
```

Validate all invalid Java objects

```
spool javascript.sql

select '"alter java class "'||object_name||'" compile;' 
from dba_objects
where object_type = 'JAVA CLASS' and owner = 'SYS' and status = 
'INVALID';

spool off
@javascript.sql
```