

Retek[®] Data Warehouse[™] 10.2.3.1

Release Notes

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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
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E-mail	support@retex.com
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Internet (ROCS)	rocs.retek.com Retek's secure client Web site to update and view issues
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Phone	+1 612 587 5800
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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
Hong Kong	800 96 4262
Korea	00 308 13 1342
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
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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.

Overview

This document contains information on enhancements that have been made to RDW since the previous release.

Software requirements and configuration matrix

The RDW Configuration Matrix (shown below) has been updated to reflect RDW's ability to support HP Itanium 11.23 64bit with Oracle.

The RDW Configuration Matrix shows the currently supported configurations at the time of release. If a required configuration does not appear, verify with Retek Customer Support to see if the configuration is now supported.

Database	Hardware Platform /Operating System (Target Database Server)	Hardware Platform /Operating System (Source Database Server)	Load Server	ETL tool (binary compiled files only for each hardware platform and operating system for database specified)
IBM DB2 Universal Database - Extended Enterprise Edition 7.2 (32-bit)	AIX 4.3.3	Optional interface with RMS 10.1, which includes the Data Warehouse Interface (DWI) environment, use guidelines recommended by RMS documentation. If standalone source, no server requirements but must follow API guidelines.		RETL for DB2 on supported hardware platform.
NCR Teradata V2R4.0 or R4.1	WorldMark 5xxx series – UNIX WorldMark 4xxx series – UNIX S2x series – UNIX	Optional interface with RMS 10.1, which includes the Data Warehouse Interface (DWI) environment, use guidelines recommended by RMS documentation. If standalone source, no server requirements but must follow API guidelines.	Sun Solaris 8 HP-UX 11i AIX 4.3.3	RETL for Teradata on supported hardware platform. The RETL application will be on the load server along with the Teradata load utilities.

Database	Hardware Platform /Operating System (Target Database Server)	Hardware Platform /Operating System (Source Database Server)	Load Server	ETL tool (binary compiled files only for each hardware platform and operating system for database specified)
Oracle RDBMS Enterprise Edition with Partitioning Option 9.0.1 (64-bit)	Sun Solaris 8 HP-UX 11i HP Itanium 11.23 64bit AIX 4.3.3	Optional interface with RMS 10.1, which includes the Data Warehouse Interface (DWI) environment, use guidelines recommended by RMS documentation. If standalone source, no server requirements but must follow API guidelines.		RETL for Oracle on supported hardware platform.

Defect documentation

A Defect is a modification to base Retek code (for example, a bug fix, a performance enhancement, or a functional enhancement). Each Defect that is included in this quarterly patch has a corresponding Defect document in the \Documentation\Defect docs folder titled <Defect#> <module>.doc.

There is a document in the Defect docs folder entitled “DEFECT MODULE XREF RDW10.2.xls”, that lists every Defect # and the accompanying modules/scripts that are included in the patch. Each Defect document should be reviewed fully before this patch is implemented. What follows is a list of the more significant changes in the patch.

Overview of batch and batch schedule changes

Two new modules invblwmt.ksh and oratruncate.ksh have been added. Invblwmt.ksh should be run immediately after invblwdm.ksh. oratruncate.ksh should be run immediately after mt_prime.ksh. oratruncate.ksh should be used only by Oracle clients.

This release includes an updated batch schedule flow chart that reflects this release’s minor batch scheduling changes. The document is located in the following directory.

- \Documentation\Miscellaneous docs\rdw-1023-batch-schedule.pdf:

Performance enhancements

“368014 ncsuindex” contains a performance enhancement for module ncsuindex.ksh. An Oracle hint was specified to enable index access to the ITEM_SUPP_COUNTRY table and to the FUTURE_COST table.

“367943 cstisindex” contains a performance enhancement for the cstisindex.ksh module. An Oracle hint was added on an index to the query in order to enhance performance.

“371177” contains performance enhancements for lptldm.ksh, sfcilqdm.ksh, sincilddm.ksh, slsblwdm.ksh, slsilddm.ksh, slsilwdm.ksh, slsmkdnpiiddm.ksh, slspilddm.ksh, tsilddm.ksh, ttlddm.ksh, ttldqdm.ksh and ttldm.ksh modules. The list of the columns assigned to the variable, “key_fields” did not match the order of the columns that make up the primary key on the target table. Thus, in certain cases Oracle could not take advantage of the key index, causing a FULL TABLE scan.

“374603” contains a performance enhancement for item extraction and loading. Instead of extracting a full snapshot of ITEM_MASTER daily, additional logic has been added to allow only new or updated records to be processed for the current day base on the column last_update_timestamp. In terms of RDW load, an additional dim_low_delta.ksh library has been created so that items can process only delta data instead of having to take a full snapshot to determine the changes.

“374595” contains a performance enhancement for the extraction and load of item/supplier/location. This enhancement allows for the processing of only changed data instead of a full snapshot. This enhancement is applicable for clients with large amounts of data for item/locations.