

Retek® Data Warehouse™ 10.2.5

Release Notes

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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 concerning the changes that have been made to Retek Data Warehouse (RDW) since the previous release. The majority of changes contained in this patch involve RDW Extraction Transform Load (ETL) performance improvements. This patch contains no fixes/improvements to the RDW MicroStrategy component.

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 patch has a corresponding defect document, titled <Defect#> <module>.doc, in the following folder:

- \Documentation\Defect docs

There is a document in the defect document folder entitled “DEFECT MODULE XREF RDW10.2.xls” that lists every defect number and the accompanying modules/scripts that are included in the patch. Each defect document should be reviewed fully before this patch is implemented.

RMS interface

“395149” fixes a batch scheduling dependency problem involving the data warehouse interface (DWI) inventory position extraction module invildex.ksh. This module has been modified to check order revision data from a new RMS table DWI_REV_ORDERS. The RMS module ordrev.pc is no longer run before running the DWI extraction module invildex.ksh. This patch 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\batch schedule\rdw-1025-batch-schedule.pdf

Before applying this fix, RMS defect 395093 has to be applied first. This RMS defect is included in the released RMS patch 10.1.12.

ETL performance enhancements

- “395106” contains performance enhancements for the stock ledger extract. The RETL script stlblwex.ksh has been modified to process delta data for the previous weeks of the month from the DAILY_DATA_TEMP table instead of extracting the whole snapshot of the month. pre_dwi_extract.ksh has been modified to fetch the last week date from the SYSTEM_VARIABLES table and write it into a new text file \$MMHOME/rfx/etc/last_eow_date.txt. dwi_config.env has also been modified to set the LAST_EOW_DATE and CONVERT_LAST_EOW_DATE variables from the new file last_eow_date.txt. For this fix to work correctly, RMS should be at version 10.1.8 or above. With this fix, stlblwex.ksh should be run before the prepost of salweek and after the salweek is run successfully. This patch 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\batch schedule\rdw-1025-batch-schedule.pdf:
- “395320” contains both a functional fix and a performance enhancement for the DWI sales extraction module slsildmex.ksh. ReSA now provides RDW with promotion information in the RDWT file, so the sales extraction no longer checks the promotion.



Note: To apply the 395320 fix, RMS defect 396054 must first be applied. This RMS fix will be included in the next RMS 10.1 patch release (RMS 10.1.13). Note that the RMS fix is available immediately through Retek Customer Support. Please contact Retek Customer Support if you need the RMS fix. If RMS fix 396054 is not applied before 395320, the sales extraction module slsildmex.ksh fails.

- “395321” contains a performance enhancement for DWI inventory extraction module invildex.ksh. An Oracle hint was specified to enable index access to the ITEM_LOC table and to the ITEM_LOC_SOH table in module invildex.ksh. In the library, convert_currency.ksh, the RETL operator ‘lookup’ replaces RETL ‘leftouterjoin’, ‘hash’, and ‘sort’ operators.
- “395622” contains performance enhancements for all facts that perform item key lookups. The libraries, fact_ins_upd.ksh and dim_lkup.ksh, and the configuration file, rdw_config.env, have been modified for item key lookup. Retailers can specify the look up type in the rdw_config.env file. Retailers can either use the ‘lookup’ operator to look up the item key or use the ‘innerjoin’ operator to look up the item key. The operator that is used depends on the number of items that retailers have, their hardware capacity, as well as a number of other variables. Retailers should test the two methods in their environment to determine which performs better. As a rule, the ‘lookup’ method typically performs better for clients with a smaller number of items (less than 1 million, for example), and ‘innerjoin’ typically performs better for retailers with a larger number of items (more than 1 million, for example). The default value for this setting is ‘lookup’. This setting cannot be made at the module level. All modules either use ‘lookup’ to look up the item key or use ‘innerjoin’ to look up the item key. Another part of this defect includes improved update logic. A number of fact modules benefit from a new library merge.ksh, which updates the target table by using an Oracle merge statement.

- “395623” contains a performance enhancement for the library factload.ksh. This fix allows modules with the ‘BASEFACT_UPD’ program_type and ‘UPDATE_ME’ operation type to use the new library, merge.ksh, to update the target table. Please see the RDW 10.2.5 Operation Guide Addendum for an explanation of the program type ‘BASEFACT_UPD’ and the operation type ‘UPDATE_ME’.
- “395695” contains a performance enhancement for inventory subclass day level aggregation module invblddm.ksh. An Oracle hint was specified to enable parallel access to the table INV_IL_CUR_DM. The parallel degree can be specified in rdw_config.env file. The setup of this value depends on the retailer’s system capacity. Retailers should perform a test with different values to select the best degree of parallelism for them. Retek recommends that this value be half the number of CPUs available on the server if this server is only used for RDW. To disable parallelism, set this setting to a value of ‘0’. The initial value is set to ‘0’. The libraries, factload.ksh and fact_mtx.ksh have also been modified to allow modules (such as invblddm.ksh) with ‘FACT_AGG_POS’ program_type and ‘UPDATE_ME’ operation type to use the new library merge.ksh to update the target table.
- “395816” contains a performance enhancement for the library, factload.ksh. This fix allows modules with ‘FACT_AGG_POS’ program_type and ‘INSERT’ operation type to use the new library, merge.ksh, to insert/update the target table. Please see the RDW 10.2.5 Operations Guide Addendum for an explanation of the program type ‘FACT_AGG_POS’ and operation type ‘INSERT’.
- “395817” contains a fix for a Japanese translation error. This fix only needs to be applied for customers running RDW in Japanese. Several hard-coded static descriptions (the reason class description, reason type description, and reason code description) on the ‘reason’ dimensional table REASN_DM were improperly translated. Running the provided script c395817_dev_dat102_ja.sql replaces the incorrect translations.
- “396407” contains a performance enhancement to supplier compliance module scrclddm.ksh. The module, scrclddm.ksh, does not use RDW libraries to look up all of the keys, and the module has been modified to look up the item key either by using the RETL ‘lookup’ operator or by using the RETL ‘innerjoin’ operator depending upon what has been specified in the rdw_config.env configuration file.