

**Oracle[®] Retail Data Warehouse
Release Notes
Release 11.0.1
December 2005**

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A Release Notes document can include some or all of the following sections, depending upon the release:

- Overview of the release
- Functional, technical, integration, and/or performance enhancements
- Assumptions
- Fixed and/or known issues/defects

Audience

Release Notes are a critical communication link between Oracle Retail and its retailer clients. There are four audiences in general for whom a Release Notes document is written:

- Retail clients who wish to understand the contents of this release.
- Integrators and implementation staff who have the overall responsibility for implementing RDW into their enterprise.
- Business analysts who are looking for high-level functional information about this release.
- System analysts and system operation personnel who are looking for high-level functional and technical content related to this release.

Customer Support

Customer Support is available 7x24x365 via email, 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@rettek.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

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 Oracle
Customer Support
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.

Release Notes

Overview

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 in the \Documentation\Defect docs folder titled <Defect#> <module>.doc.

There is a document in the Defect docs folder entitled “DEFECT MODULE XREF RDW11.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.

This Release Notes document contains a list of the more significant changes in the patch.

Fixed Issues/Defects

- “398329” contains a modification to dim_lkup.ksh that adds a filter condition that gets only active records from the dimension table SELLING_ITEM_DM.
- “394857” adds a PROD_SEASN_KEY in the department level tables INV_DEPT_LD_DM, INV_DEPT_LW_DM, SLS_DEPT_LD_DM and SLS_DEPT_LW_DM. In addition, a modification was added in invldldm.ksh, invdlwdm.ksh, slsldldm.ksh, and slsdlwdm.ksh to include PROD_SEASN_KEY in the KEY_FIELDS.
- “396963” contains modifications to itm_lkupdm.ksh to use the library module create_idx.ksh to create two separate indexes on the columns item_key and item_idnt of the ITEM_KEY_LKUP_TEMP table.

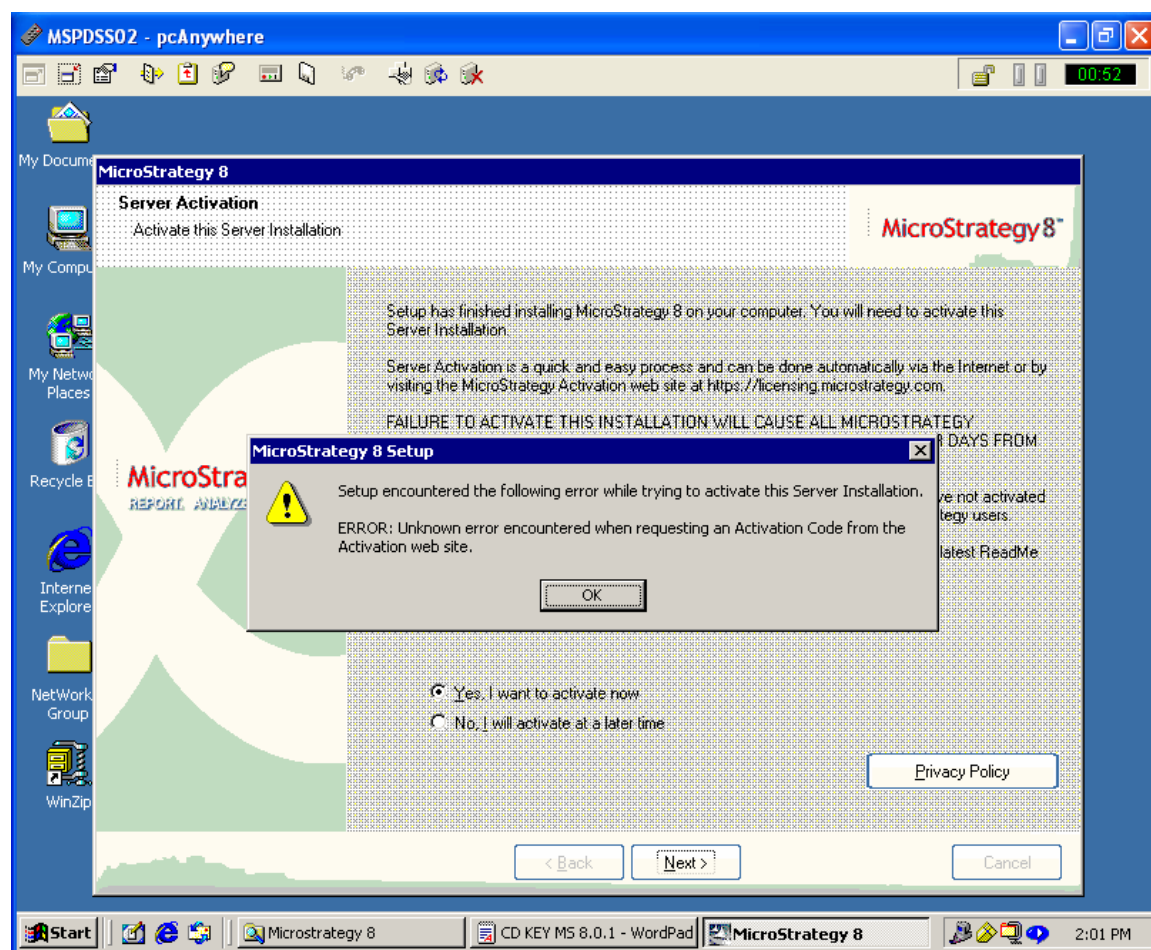
Technical Enhancements

Microstrategy 8.0.1 Upgrade

Note: Oracle is not responsible for any customizations performed by the retailer that are not included in the RDW package.

Upgrade Process

1. Follow the upgrade process recommended by Microstrategy. Documents can be found in the knowledge base website of Microstrategy.
2. Oracle has encountered the following error while activating the servers in the process of upgrading:



3. If automatic activation fails with the above error message, click OK on the error message, select the second option "**No, I will activate at a later time**", and click 'Next' to complete the installation. After the entire setup is complete, contact Oracle Support and send the Activate.xml file which is located at C:\Program Files\Common Files\MicroStrategy\Activate.xml on the machine where the installation is performed. Oracle will generate the Activation Code manually. There is a 30 days period from time of installation, in which the server can be activated.

Metadata Changes

Two RDW reports failed as a result of the Microstrategy upgrade.

The following is the error for the two failed reports.

SQLEngine got an Exception from DFC: [DFCENGINE] Engine Logic: Null table pointer passed to a leaf node in from tree.

Microstrategy is currently working on these issues. Oracle has developed a workaround that allows these reports to work as they did prior to the upgrade. The details of these workarounds are described below.

Both of the reports are from the Customer Workbench.

Promotional Spending Analysis (A)

Make the following changes:

1. Create a new attribute called Promotion Cost Per Mail for the f_prmtn_cost_per_mail column from the table PRMTN_COST_DM. This attribute replaces existing fact F_PRMTION_COST_PER_MAIL from the base formula Promotion Cost per Mail Formula.
2. Update the schema.
3. Open the existing base formula Promotion Cost per Mail Formula in the edit mode and replace the fact F_PRMTION_COST_PER_MAIL with the new attribute Promotion Cost Per Mail.
4. Save and close.

Cross Sell Opportunity by RFMP (A)

Make the following changes.

1. Open the filter Set of Product Cluster (Prompt on Product) in edit mode.
2. Double click the filter definition to open in set qualification edit mode.
3. At the bottom of the screen, in relate by drop down, change the value to “use system default”.
4. Save and close.

Performance Enhancements

- “397015” contains performance enhancements for all facts that perform item key lookups. The libraries, `fact_ins_upd.ksh`, `dim_lkup.ksh`, and the configure file `rdw_config.env` have been modified for item key lookup. Retailers can specify the look up type in the `rdw_config.env` file to either use a ‘lookup’ operator to look up the item key or use an ‘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 see which method performs best. As a rule, ‘lookup’ typically performs better for retailers with a smaller number of items (less than 1M) and ‘innerjoin’ typically performs better for retailers with a larger number of items (more than 1M). 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 item key or use ‘innerjoin’ to look up item key. Another improvement fixed in this defect is the logic of an update. A number of fact modules benefit from a new library: `merge.ksh`. `merge.ksh` updates the target table by using the Oracle merge statement.
- “397016” contains a performance enhancement for the library `factload.ksh`. This fix allows modules with a ‘BASEFACT_UPD’ program_type and an ‘UPDATE_ME’ operation type to use the new library, `merge.ksh`, to update the target table. See the RDW 11.0.1 Operation Guide Addendum for an explanation of the program type ‘BASEFACT_UPD’ and the operation type ‘UPDATE_ME’.

- “397017” contains a performance enhancement for inventory subclass day level aggregation. In module invblddm.ksh, an Oracle hint was specified to enable parallel access to table INV_IL_CUR_DM. The parallel degree can be specified in the rdw_config.env file. The setup of this value depends on the retailer’s system capacity. Retailers should perform tests with different values to select the best degree of parallelism for them. Oracle Retail suggests 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’. Libraries factload.ksh, 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 new library merge.ksh to update the target table.
- “397018” contains a performance enhancement for the library factload.ksh. This fix allows modules with the ‘FACT_AGG_POS’ program_type and the ‘INSERT’ operation type to use the new library merge.ksh to insert/update the target table. Please see the RDW 11.0.1 Operations Guide Addendum for an explanation of the program type ‘FACT_AGG_POS’ and the operation type ‘INSERT’.
- “397323” contains a performance enhancement of module scrclddm.ksh. Module scrclddm.ksh does not use a library to look up all keys and has been modified to look up the item key either by using the RETL ‘lookup’ operator or by using the RETL ‘innerjoin’ operator based on the configuration in the rdw_config.env configure file.
- “378048” - Instead of daily extracting a full snapshot of ITEM_MASTER, additional logic has been added in the code to process only new or updated records for the current day based on the column, last_update_timestamp. For the RDW load, an additional dim_low_delta.ksh library has been created so that items can be processed only on the basis of delta data instead of the full snapshot, to determine the changes.
- RMS defects 395041 and 395547 must be applied before applying this patch.
- “393710” contains modifications (for a performance enhancement) in the library file dim_mtx.ksh for corresponding changes done in the item extraction module prdislex.ksh.
- RMS defects 394923 and 395548 must be applied before applying this patch.