

Retek® Data Warehouse 10.1



Migration Guide



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Chapter 1 – Overview

Below are the necessary steps to migrate from RDW 10.0 to 10.1. Review and make sure you understand the process before beginning this migration.

While we have provided scripts to change the tables into the new structure, the client is responsible for ensuring that the scripts retain data in a manner appropriate for their own environment. Some database change scripts will remove columns and all data will be lost because data in question was found to be of no retail business value and/or that data was invalid. *A fresh install is highly recommended if you have no data to convert.*

Note: Due to the volume of your data to convert, it is recommended to test the scripts with a limited amount of data before running with production data.

Review all documentation

Before installing, review the following key documents that are included with this release.

- RDW 10.1 Release Notes.
- RDW 10.1 Operations Guide

Software upgrades

The migration to RDW 10.1 requires upgrades of the following dependent software packages. Refer to the product documentation for more information on upgrading these products.

- RETL 1.7.1 (renamed from RIB-ETL)
- MicroStrategy 7.1.6
- RDW Web 2.3

Chapter 2 – General setup

System setup

- 1 After completing a successful batch run for DWI and RDW, verify there are no outstanding errors in the batch error directories for DWI or RDW.
- 2 *Make a backup of the RDW, DWI and RMS environments.*

Unpack files from CD-ROM

DWI

- 1 Log in to the DWI UNIX server as `retek`.
- 2 Create a staging directory on your server:

```
%mkdir <DWI_STAGING_AREA>
```
- 3 In binary mode, FTP the file `dwi101_migration.tar` from the CD-ROM//dbserver
- 4 Change directory to the `<DWI_STAGING_AREA>`.
- 5 Untar the file:

```
%tar -xvf dwi101_migration.tar
```

The following directory structure(s) will exist under the `<DWI_STAGING_AREA>`:

```
<DWI_STAGING_AREA>/
```

```
    /dwi/ dbasql
           etc
           lib
           schema
           sql
           src
```

RDW

- 6 Log in to the RDW UNIX server as `retek`.
- 7 Create a staging directory on your server:

```
%mkdir <RDW_STAGING_AREA>
```

- 8 In binary mode, FTP the file rdw101_migration.tar from the CD-ROM//dbserver
- 9 Change directory to the <RDW_STAGING_AREA>.
- 10 Untar the file:

```
%tar -xvf rdw101_migration.tar
```

The following directory structure(s) will exist under the
<RDW_STAGING_AREA>:

```
<RDW_STAGING_AREA>/
```

```
    /rdw/ etc
```

```
        install
```

```
        lib
```

```
        schema
```

```
        sql
```

```
        src
```

```
        ora/  dim
```

```
                views
```

```
                facts
```

```
        ter/  dim
```

```
                views
```

```
                facts
```

```
        db2/  dim
```

```
                views
```

```
                facts
```

Chapter 3 – DWI database migration

Update DWI objects

Important: Review and understand the *.sql scripts and their accompanying documentation before you run them.

Note: Each script has comments at the beginning listing which user should execute the scripts along with other important information.

Complete the following procedure to remove the Data Warehouse Interface database objects:

- 1 Upgrade the Retek Merchandise System and Retek Sales Audit to version 10.1.
- 2 Log in to Unix as retek and change directories in Unix to `<DWI_STAGING_AREA>/dwi/sql`.
- 3 Look through each script that start_mig101_dwi.sql calls, and verify that they will retain data as needed for your DWI environment. All DWI objects will be removed for RDW 10.1.
- 4 Once verified, log in to SQL*Plus as dwi10ex and execute the following script:

```
SQL> @drop_dwi_objects.sql
```
- 5 View the log file dwi10ex_mig.lst and correct any errors that may occur due to data inconsistencies.

Set up DWI user permissions

- 6 Copy the files located in `<DWI_STAGING_AREA>dwi/dbasql` to `<base_directory> /rdw10.0/dbasql`.
- 7 Change directories on the Unix server to the RDW 10.0 base directory `<base_directory>/dwi10.0/dbasql`. This directory contains scripts that will set up all necessary grants for the DWI environment as well as grant the appropriate security level for the upgraded dwi10dev batch user to access the RMS tables during a batch run.

Note: There were minor changes to the grants and synonyms scripts for 10.1. Synonyms from the RMS Schema owner to the DWI batch user are no longer necessary. The following scripts are no longer needed for 10.1: `gs_dwi10_ex.sql` and `g_public_privs.sql`. They can be removed at this time.

- 8 The `dwi_users.sql` script has been set up to reference the default RMS and DWI usernames, so verify that they are correct and change to suit your environment if necessary.

Note: Refer to the header of each file for information on which user should execute the script and more detailed information on what the script will do.

The scripts will spool to the `/tmp` directory which should already exist, but verify that this directory exists and is writable before running.

- 9 When prompted by any of the scripts for an object name, press [**Enter**] to create permissions for all objects in the schema.
 - a Connect to SQL*Plus as `rmsdev100` (the RMS schema owner) and execute the script `gs_rms10.sql`.
 - b Verify the scripts executed correctly by reviewing the following file:
`g_rms100_1.lst`
- 10 Log into SQL*Plus as `system` and grant privileges to the DWI batch user.
`SQL> alter user dwi10dev quota unlimited on user_data;`

Drop unnecessary objects

- 11 Drop the following users:
 - `dwi10ex`
- 12 Drop the DWI tablespaces:
 - `DWI_DATA`
 - `DWI_INDEX`

Continue to the appropriate chapter for your database platform.

Chapter 4 – RDW Oracle database migration

Update RDW database objects

Important: Review and understand the *.sql scripts and their accompanying documentation before you run them. Verify each script runs successfully before moving to the next script.

Note: Each script will have comments at the beginning listing which user should execute the scripts along with other important information.

- 1 Change directories in Unix to <RDW_STAGING_AREA>/rdw/ora.
- 2 Look through each script that start_rdw10dm.sql calls and verify they will be retaining data as needed for your RDW environment. Once verified, log in to SQL*Plus as rdw10dm and enter:

SQL> @start_rdw10dm.sql
- 3 View the log file rdw10dm_mig.lst and correct any errors that may occur due to data inconsistencies.

Populate data

- 4 Change directories in Unix to <RDW_STAGING_AREA>/rdw/sql.
- 5 Connect to SQL*Plus as rdw10dm and execute the following script:

SQL> @mig101_rdwdata_ora.sql
- 6 This script will call and run the following scripts:
 - alter_dt_fmt.sql – alters the current session’s date format .
 - mig101_program_control_dm.sql – populates the program control data for the RDW modules.
 - mig101_prod_diff_type_dm.sql – populates the diff type dimension table.
 - load_dummyrows.sql – populates necessary ‘dummy’ records for low level dimensions.
- 7 View the log file load_rdwdata.lst and correct any errors that may occur due to data inconsistencies.

Set up RDW user permissions

- 8 Change directories on the Unix server to
`<base_directory>/rdw10.0/dbasql.`

This directory contains scripts that will set up all necessary synonyms and grants for the RDW environment.

- The header of each file contains information regarding what user should execute the script, when to run them and additional details about the scripts.
 - The scripts will spool to the /tmp directory, which should already exist, but verify that this directory exists and can be written to before running.
- 9 The `rdw_users.sql` script has been set up to reference the default RDW usernames, so verify that they are correct and change to suit your environment if necessary.
 - 10 When prompted by any of the scripts for an object name, press the **[Enter]** key to create permissions for all objects in the schema.
 - 11 Connect to SQL*Plus as `rdw10dm` and execute the following script to setup permissions to the datamart objects:
`SQL>@gs_rdw10_dm_ora.sql`
`SQL>@invalids.sql`
 - 12 Verify the scripts executed correctly by reviewing the following files:
`g_rdw100_dm.lst, s_rdw100_dm.lst`
 - 13 Connect to SQL*Plus as `rdw10md` and execute the following script to setup permissions to the MicroStrategy database objects:
`SQL>@gs_rdw10_md_ora.sql`
 - 14 Verify the scripts executed correctly by reviewing the following files:
`g_rdw100_md.lst, s_rdw100_md.lst`
 - 15 Make a backup of the RDW database.
 - 16 Continue on to Chapter 7, ETL Code Migration.

Chapter 5 – RDW DB2 database migration

Update RDW database objects

Important: Review and understand the *.sql scripts and their accompanying documentation before you run them. Verify each script runs successfully before moving to the next script.

Note: Each script will have comments at the beginning listing which user should execute the scripts along with other important information.

- 1 Log in to Unix as rdw10dm and change directories in Unix to <RDW_STAGING_AREA>/rdw/db2.
- 2 Create the following tablespaces for a new fact table: vchr_mld_sg_d and vchr_mld_sg_i. Grant permissions on these tablespaces to the datamart owner, rdw10dm.
- 3 Look through each script that start_rdw10dm.sh calls and verify they will be retaining data as needed for your RDW environment. Modify the script start_rdw10dm.sh with your connection information. Once verified enter:

```
%start_rdw10dm.sh > rdw10dm_mig.log
```
- 4 View the log file rdw10dm_mig.log and correct any errors that may occur due to data inconsistencies.

Populate data

- 5 Change directories in Unix to <RDW_STAGING_AREA>/rdw/sql.
- 6 Modify the script mig101_rdwdata_db2.sh with your connection information. Connect to DB2 as rdw10dm and execute the following script:

```
%db2 connect to rdw10 user rdw10dm
```

```
% mig101_rdwdata_db2.sh > load_rdwdata.log
```
- 7 This script will call and run the following scripts:
 - mig101_program_control_dm.sql – populates the program control data for the RDW modules.
 - mig101_prod_diff_type_dm.sql – populates the diff type dimension table.
 - load_dummyrows.sql – populates necessary ‘dummy’ records for low level dimensions.

- 8 View the log file `load_rdwdata.log` and correct any errors that may occur due to data inconsistencies.

Set up RDW user permissions

- 9 Change directories on the Unix server to
`<base_directory>/rdw10.0/dbasql.`

This directory contains scripts that set up all necessary synonyms/aliases and grants for the RDW environment.

- The header of each file contains information regarding what user should execute the script, when to run them, and additional details about the scripts.
- All scripts will create a SQL file with the necessary SQL statements, then the SQL file will be executed and output to a log file. The command syntax must be exactly as shown below.

- 10 Log in to the Unix server with the `rdw10dm` account.
- 11 All scripts have been set up to reference the default RDW usernames, so verify that they are correct and change to suit your environment if necessary.
- 12 Connect to `rdw10` as `rdw10dm` and execute the following script to grant permissions to the datamart objects:

```
%db2 connect to rdw10 user rdw10dm
%db2-tf gs_rdw10_dm_db2.dyn > gs_rdw10_dm_db2.sql
```
- 13 Review the log file, `gs_rdw10_dm_db2.log`, to verify the script executed successfully.
- 14 Log in to the Unix server with the `rdw10md` account.
- 15 Connect to `rdw10` as `rdw10md` and execute the following script to grant permissions to the MicroStrategy metadata objects:

```
%db2 connect to rdw10 user rdw10md
%db2 +-tf gs_rdw10_md_db2.dyn > gs_rdw10_md_db2.sql
```
- 16 Review the log file, `gs_rdw10_md_db2.log`, to verify the script executed successfully.
- 17 Make a backup of the RDW database.
- 18 Continue on to Chapter 7, ETL Code Migration.

Chapter 6 – RDW Teradata database migration

Update RDW database objects

Important: Review and understand the *.sql scripts and their accompanying documentation before you run them. Verify each script runs successfully before moving to the next script.

Note: Each script will have comments at the beginning listing which user should execute the scripts along with other important information.

- 1 Log in to RDW Load Server as Retek. Change directories in Unix to <RDW_STAGING_AREA>/rdw/ter.
- 2 Look through each script that start_rdw10dm.sql calls and verify they will be retaining data as needed for your RDW environment. Once verified, modify the username and password to suit your environment and enter:

```
% bteq < start_rdw10dm.sql > rdw10dm_mig.log
```
- 3 View the log file rdw10dm_mig.log and correct any errors that may occur due to data inconsistencies.

Populate data

- 4 Change directories in Unix to <RDW_STAGING_AREA>/rdw/sql.
- 5 Connect to Teradata as rdw10dm and execute the following script:

```
% bteq .logon rdw10dm,password < mig101_rdwdata_ora.sql
> load_rdwdata.log
```
- 6 This script will call and run the following scripts:
 - mig101_program_control_dm.sql – populates the program control data for the RDW modules.
 - mig101_prod_diff_type_dm.sql – populates the diff type dimension table.
 - load_dummyrows.sql – populates necessary ‘dummy’ records for low level dimensions.
- 7 View the log file load_rdwdata.log and correct any errors that may occur due to data inconsistencies.

Set up RDW user permissions - optional

- 8 Change directories on the Unix server to
`<base_directory>/rdw10.1/dbasql.`

This directory contains scripts that set up all necessary grants for the RDW environment. This step is optional for Teradata implementations.

- The header of each file contains information regarding what user should execute the script, when to run them, and additional details about the scripts.
- 9 All scripts have been set up to reference the default RDW usernames, so verify that they are correct and change to suit your environment if necessary.
 - 10 At a Unix Prompt enter:


```
%bteq .logon rdw10dm,password < \
gs_rdw10_dm_td.dyn> gs_rdw10_dm_td.log
%bteq .logon rdw10md,password < \
gs_rdw10_md_td.dyn > gs_rdw10_md_td.log
```
 - 11 Review the log files for errors and make appropriate corrections if needed and rerun the necessary portions.
 - 12 Make a backup of the RDW database.
 - 13 Continue on to Chapter 7, ETL Code Migration.

Chapter 7 – ETL code migration

Update RDW ETL modules

- 1 Take note of any customizations that you have made to RDW batch modules, schema files and libraries and make backups for future reference. See the list of modules changed in Appendix B – ETL Changes

Note: The <base_directory> referred to below is location of the code directory that was installed for RDW 10.0.

- 2 Log in to the RDW server as `rettek`.

Source Code

- 3 Copy the files located in <RDW_STAGING_AREA>/rdw/src to <base_directory> /rdw10.0/dev/rfx/src.

Libraries

- 4 Copy the files located in <RDW_STAGING_AREA>/rdw/lib to <base_directory> /rdw10.0/dev/rfx/lib.

Schema Files

- 5 Copy the files located in <RDW_STAGING_AREA>/rdw/schema to <base_directory> /rdw10.0/dev/rfx/schema.

Configuration Files

- 6 Copy the files located in <RDW_STAGING_AREA>/rdw/etc to <base_directory> /rdw10.0/dev/rfx/etc.
- 7 Remove the `config.env` file that has been replaced with the `rdw_config.env` file.

Installation Files

- 8 Copy the files located in <RDW_STAGING_AREA>/rdw/install to <base_directory> /rdw10.0/dev/install.

Directory Changes

- 9 Make a new directory for restart and recovery bookmarks. Enter:
% `mkdir <base_directory>/rdw10.0/dev/rfx/bookmark`

Update DWI ETL modules

- 1 Take note of any customizations that you have made to DWI batch modules, schema files and libraries and make backups for future reference. See the list of modules changed in Appendix B – ETL Changes.

Note: The <base_directory> referred to below is location of the code directory that was installed for DWI 10.0.

- 2 Log in to the RDW server as `retex`.

Source Code

- 3 Copy the files located in <DWI_STAGING_AREA>/dwi/src to <base_directory> /dwi10.0/dev/rfx/src.

Libraries

- 4 Copy the files located in <DWI_STAGING_AREA>/dwi/lib to <base_directory> /dwi10.0/dev/rfx/lib.

Schema Files

- 5 Copy the files located in <DWI_STAGING_AREA>/dwi/schema to <base_directory> /dwi10.0/dev/rfx/schema.

Configuration Files

- 6 Copy the files located in <DWI_STAGING_AREA>/dwi/etc to <base_directory> /dwi10.0/dev/rfx/etc.
- 7 Remove the `config.env` file that has been replaced with the `dwi_config.env` file.

Directory Changes

- 8 Make a new directory for restart and recovery bookmarks. Enter:

```
% mkdir <base_directory>/rdw10.0/dev/rfx/bookmark
```
- 9 Remove the <base_directory> /dwi10.0/dev/oracle and `sqlplus` directories, since Pro*C has been replaced with RETL modules.

Configure RETL

- 1 This release of RDW incorporates the RETL 1.7.X. Install and configure the RETL now on both the source and target servers. See the RETL Programmers Guide to install and configure this tool.

Configure RETL for DWI

- 2 Log in to the DWI Unix server with the `dwidev` account.
- 3 Change directories to `<base_directory>/dwi10.0/dev/rfx/etc`.
- 4 Modify the `dwi_config.env` script:
 - a Change the `DBNAME` variable to the name of the RMS database.
 - b Change the `RMS_OWNER` variable to the username of the RMS schema owner.
 - c Change the `BA_OWNER` variable to the username of the DWI batch user.

Configure RETL for RDW

- 5 Log in to the RDW Unix server with the `rdw10dev` account.
- 6 Change directories to `<base_directory>/rdw10.0/dev/rfx/etc`.
- 7 Modify the `rdw_config.env` script to match your environment:
 - a Change the `DBNAME` variable to the name of RDW database.
 - b Change the `DB_ENV` variable to `ORA`, `DB2` or `TER` as appropriate.
 - c Change the `DM_OWNER` variable to the username of the RDW Data Mart schema owner.
 - d Change the `BA_OWNER` variable to the username of the RDW batch user.
 - e Change the `LOAD_TYPE` to `direct` or `conventional` based on the requirements for SQL Loading. Refer to the Operations Guide Chapter Program Flow Diagrams for more details.
 - f Change the `SCHEDULE_TYPE` to `sequential` or `parallel` based on your batch processing schedule. The parameter is for DB2 implementations only. Refer to the Operations Guide Chapter Program Flow Diagrams for more details.
- 8 Continue on to Chapter 8, MicroStrategy Object Migration.

Chapter 8 – MicroStrategy object migration

There are three different ways to migrate MicroStrategy objects to upgrade your current implementation of RDW 10.0 to RDW 10.1. The three different migration strategies exist in order to minimize the loss of any changes that you may have made to the original RDW 10.0 while migrating to RDW 10.1. Which migration strategy is best suited for your environment will depend on the extent of modifications, additions, or enhancements you have made to the original “out-of-the-box” RDW 10.0 in the course of your implementation.

Migration skills: You are expected to be a MicroStrategy administrator with significant expertise in MicroStrategy project administration in order to be able to migrate from RDW 10.0 to RDW 10.1.

Migration duration: The migration of the MicroStrategy objects for RDW 10.1 upgrade can be a time consuming process. The amount of time that is required depends upon which migration strategy you choose, and also on the extent of customization and modification of your RDW 10.0 implementation. But expect the process to take approximately four to eight hours per workbench.

Migration backup: It is very important to create a backup of your current RDW 10.0 metadata before you proceed with migration to RDW 10.1. This will allow you to roll back to the earlier version of RDW 10.0 if necessary. This will also allow you to allow your users to access RDW 10.0 while you are performing the upgrade.

Migration Strategy 1

This simplest strategy involves essentially deleting your current implementation of RDW 10.0, and replacing it with RDW 10.1.

This strategy is the right one for you if you have not fully implemented RDW 10.0, or if you have not modified the “out-of-the-box” RDW 10.0. In either of those situations, overwriting the old RDW 10.0 metadata with the new RDW 10.1 metadata will not cause any problems. In other words, if you have not made *any* change in RDW 10.0 (whether through modification of existing objects or addition of new ones, including users and user objects), then Migration Strategy 1 is the right approach.

Migration methodology

Since this strategy will install the RDW 10.1 metadata from an archive file and completely overwrite the existing metadata, the migration process involved is identical to a fresh installation of RDW 10.1.

Migration instructions

Follow the steps in Appendix C of the RDW 10.1 Installation Guide.

Migration Strategy 2

This strategy involves making changes and updates to your current implementation of RDW 10.0 manually, using MicroStrategy Desktop tool, to convert your RDW 10.0 implementation into an RDW 10.1 implementation. This strategy is the right approach for you if you do not have MicroStrategy Object Manager to move objects as explained in Migration Strategy 3 below, or if you prefer to manually update the objects to conform to RDW 10.1 rather than use Migration Strategy 3. A complete listing of all MicroStrategy object changes is detailed in Appendix C.

Migration methodology

Since this strategy does not involve installing or moving RDW 10.1 objects over your current RDW 10.0 ones, but manually “upgrading” them by making the necessary changes to conform their definitions to RDW 10.1, the migration process does not require you to install RDW 10.1 at all. Instead, you will need to make all the changes as documented in Appendix C manually using MicroStrategy Desktop. Follow the directions given in the “Change” column in the table in Appendix C for each of the objects to make the necessary changes as part of the migration. You will need to be logged in as an administrator with sufficient privilege in the different workbenches to be able to make these changes.

The changes listed under the “Mandatory Changes” are required. These changes pertain to the underlying changes in the RDW data model and schema objects between RDW 10.0 and RDW 10.1. They also include fixes to defects in the previous releases that are required.

The changes listed under the “Optional Changes” are mostly cosmetic changes between RDW 10.0 and RDW 10.1 and are not required to conform your RDW 10.0 implementation to RDW 10.1. These changes do not affect the basic functionality of the workbenches.

Migration instructions

1 Warehouse Catalog Upgrade

Refer to “Mandatory Changes: Warehouse Catalog” in Appendix C for a list of affected objects in the warehouse catalog, and RDW Workbenches where these changes are to be implemented.

- a Use MicroStrategy Desktop Warehouse Catalog to add PROD_ITEM_DIFF_MTX_DM_V to the Warehouse Catalog.

- b Update the structures of the tables listed under “Mandatory Changes: Warehouse Catalog” in Appendix C.
- c Perform a full Schema Update in MicroStrategy Desktop.

2 Product Differentiator (DIFF) Upgrade:

Refer to “Mandatory Changes: Product Differentiators” in Appendix C for a list of affected objects, and RDW Workbenches where these changes are to be implemented. You need to have completed the Warehouse Catalog Upgrade outlined in step 1 above before you proceed with this step.

- a The attribute Diff Comp is no longer supported in RDW 10.1.
Delete all objects that use Diff Comp, such as hierarchies, reports, templates, filters, etc.
If you have custom objects using Diff Comp, delete them.
Delete the attribute Diff Comp.
- b The ten Diff Group attributes are no longer supported in RDW 10.1.
Delete all objects that use these attributes, such as hierarchies, reports, templates, filters, etc.
If you have custom objects using the ten Diff Comp attributes, delete them.
Delete the ten Diff Group attributes.
- c Modify and create Diff attributes.
Change the definition of the ten different Diff attributes that exist in RDW 10.0, and add 20 more Diff attributes. RDW 10.1 supports 30 different Diff attributes. Refer to the table in “Mandatory Changes: Product Differentiators” in Appendix C for details on how to create and/or modify these attributes.

Note: You need to have completed the Warehouse Catalog Upgrade outlined in step 1 above before you proceed with this step.

- d Remove Diff Comp, Diff Group, and Diff tables from the Warehouse Catalog. You will be able to do this step only once you have completed steps a, b, and c above.
- e Perform a full Schema Update in MicroStrategy Desktop.

3 Forecast Sales Reporting Upgrade:

Refer to “Mandatory Changes: Forecast Sales” in Appendix C for a list of affected objects, and RDW Workbenches where these changes are to be implemented.

- a Modify Templates that have forecast sales metrics. You will need to modify the six templates as detailed under “Mandatory Changes: Forecast Sales” in Appendix C.

- b Delete the six forecast sales and profit metrics listed in “Mandatory Changes: Forecast Sales” in Appendix C.
If you have custom objects that depend on these metrics, delete those as well, because they are no longer supported in RDW 10.1.
 - c Delete the four forecast sales base formulas listed in “Mandatory Changes: Forecast Sales” in Appendix C.
If you have custom objects that depend on these base formulas, delete those as well, because they are no longer supported in RDW 10.1.
 - d Delete the four forecast facts listed in “Mandatory Changes: Forecast Sales” in Appendix C.
If you have custom objects that depend on these facts, delete those as well, because they are no longer supported in RDW 10.1.
 - e Perform a full Schema Update in MicroStrategy Desktop.
- 4 VAT Upgrade:

Refer to “Mandatory Changes: VAT” in Appendix C for a list of affected objects, and RDW Workbenches where these changes are to be implemented.

 - a Delete the four VAT metrics listed in “Mandatory Changes: VAT” in Appendix C.
If you have custom objects that depend on these metrics, delete those as well, because they are no longer supported in RDW 10.1.
 - b Delete the seven VAT base formulas listed in “Mandatory Changes: VAT” in Appendix C.
If you have custom objects that depend on these base formulas, delete those as well, because they are no longer supported in RDW 10.1.
 - c Delete the eight VAT facts listed in “Mandatory Changes: VAT” in Appendix C.
If you have custom objects that depend on these facts, delete those as well, because they are no longer supported in RDW 10.1.
 - d Perform a full Schema Update in MicroStrategy Desktop.
- 5 Miscellaneous Upgrade:

Refer to “Mandatory Changes: Miscellaneous Upgrades” in Appendix C for a list of affected objects, and RDW Workbenches where these changes are to be implemented.

 - a Make the changes as listed in “Mandatory Changes: Miscellaneous Upgrades” in Appendix C. The changes include four facts, changing of the formula in two base formulas (plus all count base formulas), two metrics, and one attribute.
 - b Perform a full Schema Update in MicroStrategy Desktop.

6 Optional Upgrade:

There are a number of updates made in RDW 10.1 that do not affect the core functionality of the underlying data model of RDW 10.0. These changes are mostly cosmetic such as changing of object names, changing of report formats, etc. You do not have to perform these changes, but they are listed here for your reference in case you would like to perform them. Refer to “Mandatory Changes: VAT” in Appendix C for a list of affected objects, and RDW Workbenches where these changes are to be implemented.

- a Make the changes as listed in “Optional Changes” in Appendix C. The changes include renaming 22 objects, moving one object, and changing the report graph style of all Reports and Templates.

Migration Strategy 3

This strategy involves two steps. First, you install RDW 10.1 in its entirety. Second, you use MicroStrategy Object Manager to move the necessary MicroStrategy objects between the RDW 10.1 and RDW 10.0 workbenches in so that all the changes that you have made to the “out-of-the-box” RDW 10.0 are properly synchronized with RDW 10.1.

Note: You will need MicroStrategy Object Manager in order to employ this strategy. MicroStrategy Object Manager is shipped as part of MicroStrategy Administrator.

Migration Strategy 2 is the right approach for you if your RDW 10.0 project has been implemented with only a few modifications and additions (such as users, user objects, your own custom objects, or modification of the “out-of-the-box” objects).

Migration methodology

This strategy will install the RDW 10.1 Workbenches, and have you move these modified or new objects in order to ensure that your changes are not lost where appropriate. As noted above, this strategy involves two distinct steps: firstly, install a fresh copy of RDW 10.1 and secondly, use MicroStrategy Object Manager to move objects in order to synchronize your own custom changes to the changes included in RDW 10.1.

Note: You may not be able to migrate all the changes that you have made in RDW 10.0 to RDW 10.1. RDW 10.1 includes a number of fundamental changes in the underlying data model and schema level objects. If the customizations and modifications that you have made in RDW 10.0 relate to these fundamental changes, then these changes may not be upgradeable to RDW 10.1. Please refer to Appendix C for more details.

Migration instructions

- 1 Install a fresh copy of RDW 10.1:

The RDW 10.1 installation CD-ROM includes an easy-to-use installation program, which you must use to install the RDW 10.1 Workbenches. An RDW Workbench is synonymous with a MicroStrategy Project and contains all of the metadata objects (reports, metrics, etc.) for the Retek Data Warehouse. Please refer to the Middle-Tier Installation Guide for more details how to install RDW workbenches.

Pre-installation Requirements:

- An existing RDW 10.0 metadata repository
- A local MicroStrategy Desktop installation

You will need:

- A 2-tier (direct) connection project source that points to the existing RDW 10.0 metadata repository.
- A MicroStrategy administrator login id and password for the above project source. The default login id and password for a new MicroStrategy metadata repository is Administrator, with no password.
- RDW 10.1 Installation CD

Installation steps:

- a The RDW Metadata Installation Wizard can be found in the RDW 10.1 Installation CD in under \Install\rdw10.0\metadata\. Run setup.exe to launch the wizard.
- b Follow the steps in the wizard. When it asks you to choose the destination project source, make sure you select this project source that points to the existing RDW 10.0 metadata repository.

Note: The wizard uses a MicroStrategy utility to copy, or duplicate, the RDW Workbenches. This is a lengthy process. The utility will estimate remaining time and periodically update the remaining time depending upon the type and number of objects it is currently processing.

- 2 Use MicroStrategy Object Manager to move the necessary objects:

After installation of the RDW 10.1 projects, you will need to use MicroStrategy Object Manager to migrate objects that you have modified/added in your old RDW 10.0 installation to your new RDW 10.1. However, you should only migrate those objects that are NOT listed in the five tables with “Mandatory Changes” in Appendix C.

Objects listed in the “Mandatory Changes” tables in Appendix C:

If you have made changes/customizations to MicroStrategy objects listed in the five tables with “Mandatory Changes” in Appendix C, then you should not migrate these objects from your RDW 10.0 to the new RDW 10.1. The five “Mandatory Changes” tables are:

- Mandatory Changes: Warehouse Catalog
- Mandatory Changes: Product Differentiators
- Mandatory Changes: Forecast Sales
- Mandatory Changes: Vat
- Mandatory Changes: Miscellaneous Upgrades

If you modify/migrate these objects, you would overwrite the mandatory changes required in RDW 10.1, which you should not do. The best method is for you to implement your customizations again as necessary in the corresponding objects in RDW 10.1.

Objects *not* listed in the “Mandatory Changes” tables in Appendix C:

If you have new/modified objects (custom objects) in your RDW 10.0 implementation that are different from or were non-existent in the “out-of-the-box” RDW 10.0 and if these custom objects are NOT listed on the table titled “Mandatory Changes”, then you can use MicroStrategy Object Manager to move these modified objects from your RDW 10.0 implementation to RDW 10.1.

While using the MicroStrategy Object Manager to migrate your customized objects, the sequence and steps in which you should migrate your objects is as follows.

- a Tables: Within MicroStrategy Desktop, open the Warehouse Catalog, and add any custom tables. Update the Catalog and do a full schema update after adding the tables.
- b Facts: Within Object Manager, select any custom fact folders and facts to the new RDW 10.1 project. Upon completion of migrating schema level objects, perform a full schema update from using MicroStrategy Desktop
- c Attributes: Within Object Manager, select any custom attribute folders and attributes to the new RDW 10.1 project. Upon completion of migrating schema level objects, perform a full schema update from using MicroStrategy Desktop.
- d Base Formulas: Within Object Manager, select any custom base formula folders and base formulas to the new RDW 10.1 project. A Schema update is not required after moving public objects.

- e Filters: Within Object Manager, select any custom filter folders and filters to the new RDW 10.1 project. A Schema update is not required after moving public objects.
- f Metrics: Within Object Manager, select any custom base formula folders and base formulas to the new RDW 10.1 project. A Schema update is not required after moving public objects.
- g Templates: Within Object Manager, select any custom template folders and filters to the new RDW 10.1 project. A Schema update is not required after moving public objects.
- h Reports: Within Object Manager, select any custom report folders and reports to the new RDW 10.1 project. A Schema update is not required after moving public objects.

Note: You can also use your current RDW 10.0 implementation as the base project and use MicroStrategy Object Manager to migrate the new and modified RDW 10.1 objects to your RDW 10.0 implementation. However, this document does not include step-by-step instructions for that. You will need to be very familiar with the MicroStrategy Object Manager and MicroStrategy administration in order to do that. If you choose to upgrade in this manner, make sure that all the objects listed under “Mandatory Changes” in Appendix C are properly migrated to your RDW 10.0 implementation from RDW 10.1.

Appendix A – Database changes

The following is a list of database object changes from the base version of RDW 10.0 to the base version of RDW 10.1.

Environment	Defect #	Object	Script Name	Change
RDW	Enhancement	prod_item_dm	prod_item_dm.sql	Remove Columns
RDW	Enhancement	Prod_diff_item_mtx_dm	Prod_diff_item_mtx_dm.sql	New Table
RDW	Enhancement	prod_diff_comp_dm	drop_tables.sql	Remove Tables
RDW	Enhancement	prod_diff_comp_mtx_dm	drop_tables.sql	Remove Tables
RDW	Enhancement	prod_diff_group_dm	drop_tables.sql	Remove Tables
RDW	Enhancement	prod_diff_group_mtx_dm	drop_tables.sql	Remove Tables
RDW	Enhancement	scomp_rcpt_item_ld_dm	scomp_rcpt_item_ld_dm.sql	Rename Columns
RDW	Enhancement	scomp_rcpt_item_lw_dm	scomp_rcpt_item_lw_dm.sql	Rename Columns
RDW	Enhancement	sls_fcst_item_lw_dm	sls_fcst_item_lw_dm.sql	Remove Amount Columns
RDW	Enhancement	sls_fcst_sbc_lw_dm	sls_fcst_sbc_lw_dm.sql	Remove Amount Columns
RDW	Enhancement	sls_mkdn_item_ld_dm	sls_mkdn_item_ld_dm.sql	Remove VAT columns
RDW	Enhancement	sls_mkdn_item_lw_dm	sls_mkdn_item_lw_dm.sql	Remove VAT columns, modify week idnt column length
RDW	Enhancement	sls_mkdn_pack_item_ld_dm	sls_mkdn_pack_item_ld_dm.sql	Remove VAT columns
RDW	Enhancement	supp_inv_cost_item_ld_dm	supp_inv_cost_item_ld_dm.sql	Add column
RDW	Enhancement	vchr_move_ld_sg	vchr_move_ld_sg.sql	New Table

Environment	Defect #	Object	Script Name	Change
RDW	Enhancement	Diff Views	drop_views.sql	Remove Views
RDW	Enhancement	Prod_diff_item_mtx_dm_v	prod_diff_item_mtx_dm_v.sql	New View
RDW - Teradata	329792	program_status_dm	program_status_dm.sql	Added check constraint
DWI	Enhancement	All DWI Objects	drop_dwi_objects.sql	Removed objects
DWI	Enhancement	cmptr_price_hist_md	drop_dwi_objects.sql	Removed objects
DWI	Enhancement	scmp_rcpt_item_ld_md	drop_dwi_objects.sql	Removed objects
DWI	Enhancement	supp_inv_cost_item_ld_md	drop_dwi_objects.sql	Removed objects
DWI	Enhancement	vchr_esch_day_md	drop_dwi_objects.sql	Removed objects
DWI	Enhancement	vchr_move_ld_md	drop_dwi_objects.sql	Removed objects
DWI	Enhancement	restart_bookmark	drop_dwi_objects.sql	Removed objects
DWI	Enhancement	restart_control	drop_dwi_objects.sql	Removed objects
DWI	Enhancement	restart_program_status	drop_dwi_objects.sql	Removed objects
DWI	Enhancement	restart_program_history	drop_dwi_objects.sql	Removed objects
DWI	Enhancement	threading_store_wh_v	drop_dwi_objects.sql	Removed objects
DWI	Enhancement	threading_store_v	drop_dwi_objects.sql	Removed objects
DWI	Enhancement	threading_supplier_v	drop_dwi_objects.sql	Removed objects
DWI	Enhancement	rdw_vchr_trigger	drop_dwi_objects.sql	Removed objects
DWI	Enhancement	rdw_inv_detail_trigger	drop_dwi_objects.sql	Removed objects
DWI	Enhancement	rdw_shipsku_trigger	drop_dwi_objects.sql	Removed objects

Environment	Defect #	Object	Script Name	Change
DWI	Enhancement	rdw_cmptr_price_hist_trigger	drop_dwi_objects.sql	Removed objects
DWI	Enhancement	rdw_trig_error_handle	drop_dwi_objects.sql	Removed objects
DWI	Enhancement	sql_lib	drop_dwi_objects.sql	Removed objects
DWI	Enhancement	restart_thread_return	drop_dwi_objects.sql	Removed objects

Appendix B – ETL changes

The following is a list of module, library, and schema file changes from the base version of RDW 10.0 to the base version of RDW 10.1. For more information, refer to the RDW 10.1 Ops Guide, which includes slight modifications to the batch flows (chapter 7), a discussion of the new DWI RETL code (chapter 5), module-specific changes (chapter 8), and interface files (APIs in Appendix A).

Environment	Module Type	Defect #	Module	Change
DWI	Configuration File	Enhancement	class_level_vat_ind.txt	New file
DWI	Configuration File	Enhancement	consolidation_code.txt	New file
DWI	Configuration File	Enhancement	domain_level.txt	New file

Environment	Module Type	Defect #	Module	Change
DWI	Configuration File	Enhancement	dwi_config.env	<p>Added bookmark directory, status files, and bookmark files. Changed error checking to make sure text files exist AND are not empty. For file name standardization:</p> <ul style="list-style-type: none"> • moved the setting of the VDATE variable to the very beginning. • added the setting of \$NEXT_VDATE. • added if statement so \$FILE_DATE uses \$VDATE except if program is pre_dwi_extract and then it uses \$NEXT_VDATE. • changed file names to only look at the first parameter specified on the command line. • changed file names to use \$FILE_DATE instead of system date. • added 'bkm' to bookmark file name. Replaces existing config.env on DWI side. • NLS_NUMERIC_CHARACTERS setting included to allow DWI RETL scripts to recognize numeric formats that include a comma (,) character to represent the decimal place.
DWI	Configuration File	Enhancement	last_eom_date.txt	New file
DWI	Configuration File	Enhancement	max_backpost_days.txt	New file
DWI	Configuration File	Enhancement	multi_currency_ind.txt	New file
DWI	Configuration File	Enhancement	next_vdate.txt	New file
DWI	Configuration File	Enhancement	prime_currency_code.txt	New file
DWI	Configuration File	Enhancement	prime_exchng_rate.txt	New file
DWI	Configuration File	Enhancement	stkldgr_vat_incl_retl_ind.txt	New file

Environment	Module Type	Defect #	Module	Change
DWI	Configuration File	Enhancement	vat_ind.txt	New file
DWI	Configuration File	Enhancement	vdate.txt	New file
DWI	Library	Enhancement	convert_currency.ksh	New ETL library module
DWI	Library	Enhancement	dwi_analyze_tbl.ksh	New ETL library module
DWI	Library	Enhancement	dwi_drop_tbl.ksh	New ETL library module
DWI	Library	Enhancement	dwi_error.ksh	Replaces existing error.ksh
DWI	Library	Enhancement	dwi_lib.ksh	Replaced calls to 10.0 libraries with calls to 10.1 libraries. Replaces existing lib.ksh
DWI	Library	Enhancement	dwi_log_num_recs.ksh	New ETL library module
DWI	Library	329571	dwi_message.ksh	For file name standardization - changed to use \$LOG_FILE which is set in dwi_config.env. Defect #329571 - added code to write message to the error file in addition to the log file. Replaces existing message.ksh
DWI	Library	Enhancement	dwi_std_len.h, retek_2.h, std_err.h, intrface.h, utils.h, intrface.pc, oracle.pc, utils.pc, retek_2.pc.	Remove and replaced with ETL library module
DWI	Schema File	N/A	cmptprcilddm.schema	New schema file
DWI	Schema File	Enhancement	cstislddm.schema	New schema file
DWI	Schema File	Enhancement	exchngratedm.schema	New schema file
DWI	Schema File	Enhancement	invilddm.schema	New schema file
DWI	Schema File	Enhancement	ivailddm.schema	New schema file
DWI	Schema File	Enhancement	ivrcpilddm.schema	New schema file

Environment	Module Type	Defect #	Module	Change
DWI	Schema File	Enhancement	ivrilddm.schema	New schema file
DWI	Schema File	Enhancement	ivtilddm.schema	New schema file
DWI	Schema File	Enhancement	ivuilddm.schema	New schema file
DWI	Schema File	Enhancement	lptldmdm.schema	New schema file
DWI	Schema File	Enhancement	lptotclddm.schema	New schema file
DWI	Schema File	Enhancement	lptotcldex.schema	New schema file
DWI	Schema File	Enhancement	lptotlddm.schema	New schema file
DWI	Schema File	Enhancement	lptotldex.schema	New schema file
DWI	Schema File	Enhancement	ncstuilddm.schema	New schema file
DWI	Schema File	Enhancement	prcilddm.schema	New schema file
DWI	Schema File	Enhancement	prddcmpdm.schema	Remove
DWI	Schema File	Enhancement	prddcmpmdm.schema	Remove
DWI	Schema File	Enhancement	prddgrpdm.schema	Remove
DWI	Schema File	Enhancement	prddgrpmdm.schema	Remove
DWI	Schema File	Enhancement	prddtypdm.schema	Replace existing prddtypdm.schema
DWI	Schema File	Enhancement	prditmdm.schema	Replace existing prditmdm.schema
DWI	Schema File	Enhancement	prditmsmdm.schema	Replace existing prditmsmdm.schema
DWI	Schema File	Enhancement	saviddm.schema	New schema file
DWI	Schema File	Enhancement	scmialddm.schema	New schema file
DWI	Schema File	Enhancement	scmiolddm.schema	New schema file
DWI	Schema File	N/A	scqcdm.schema	Replace existing scqcdm.schema

Environment	Module Type	Defect #	Module	Change
DWI	Schema File	Enhancement	scrqtlddm.schema	New schema file
DWI	Schema File	Enhancement	scrtllddm.schema	New schema file
DWI	Schema File	Enhancement	sctiddm.schema	New schema file
DWI	Schema File	Enhancement	sfcilwdm.schema	New schema file
DWI	Schema File	Enhancement	sincilddm.schema	New schema file
DWI	Schema File	Enhancement	slsildmdm.schema	New schema file
DWI	Schema File	Enhancement	slsildmex.schema	New schema file
DWI	Schema File	Enhancement	slsmkdnilddm.schema	New schema file
DWI	Schema File	Enhancement	stlblwdm.schema	New schema file
DWI	Schema File	Enhancement	ttlmdm.schema	New schema file
DWI	Schema File	Enhancement	ttldmex.schema	New schema file
DWI	Schema File	Enhancement	vchreschddm.schema	New schema file
DWI	Schema File	Enhancement	vchrmovelddm.schema	Remove file replaced by vchrmoveldsg.schema
DWI	Schema File	Enhancement	vchrmoveldsg.schema	New schema file replaces vchrmovelddm.schema
DWI	Schema File	Enhancement	vchroutlwdm.schema	New schema file
DWI	Source Code	322600	cmptrex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name

Environment	Module Type	Defect #	Module	Change
DWI	Source Code	322600	cmptrlmex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name
DWI	Source Code	322600	cmptrlocex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name
DWI	Source Code	Enhancement	cmptrprcildex.ksh	New ETL module that replaces cmptrprcildat.pc
DWI	Source Code	322600	crncycdex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name
DWI	Source Code	Enhancement	cstislidx.ksh	New ETL module that replaces cstislidx.pc
DWI	Source Code	322600	emplyex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name
DWI	Source Code	Enhancement	exchngratex.ksh	New ETL module that replaces exchngrateat.pc
DWI	Source Code	Enhancement	invildex.ksh	New ETL module that replaces invildat.pc

Environment	Module Type	Defect #	Module	Change
DWI	Source Code	Enhancement	ivaildex.ksh	New ETL module that replaces ivaildat.pc
DWI	Source Code	Enhancement	ivrcpildex.ksh	New ETL module that replaces ivrcpildat.pc
DWI	Source Code	Enhancement	ivrildex.ksh	New ETL module that replaces ivrildat.pc
DWI	Source Code	Enhancement	ivtildex.ksh	New ETL module that replaces ivtildat.pc
DWI	Source Code	Enhancement	ivuildex.ksh	New ETL module that replaces ivuildat.pc
DWI	Source Code	Enhancement	lptotcldex.ksh	New ETL module that replaces lptotcldat.pc
DWI	Source Code	Enhancement	lptotldex.ksh	New ETL module that replaces lptotldat.pc
DWI	Source Code	Enhancement	ncstuildex.ksh	New ETL module that replaces ncstuildat.pc
DWI	Source Code	322600	orgaraex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	322600	orgchanex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	322600	orgchnex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.

Environment	Module Type	Defect #	Module	Change
DWI	Source Code	322600	orgdisex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	322600	orgllmex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	322600	orglocex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	322600	orglolex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.

Environment	Module Type	Defect #	Module	Change
DWI	Source Code	322600	orgltmex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	322600	orgltrex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	322600	orgrgnex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	322600	phasex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Changed to use \$REJ_FILE which is set in dwi_config.env to be consistent with all other modules. Replace existing module of the same name.
DWI	Source Code	Enhancement	post_dwi_temp.ksh	New ETL module
DWI	Source Code	Enhancement	prcildex.ksh	New ETL module that replaces prcildat.pc

Environment	Module Type	Defect #	Module	Change
DWI	Source Code	322600	prdclex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	322600	prdcmpex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	N/A	prddcmpex.ksh	Remove
DWI	Source Code	N/A	prddcmpmex.ksh	Remove
DWI	Source Code	322600	prddepx.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	N/A	prddgrpx.ksh	Remove
DWI	Source Code	N/A	prddgrpmex.ksh	Remove
DWI	Source Code	322600	prddiffex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.

Environment	Module Type	Defect #	Module	Change
DWI	Source Code	322600	prddivex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	322600	prddtypex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	322600	prddtypex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Select Diff Types from RMS DIFF_TYPE table instead of CODE_DETAIL table. Replace existing module of the same name.
DWI	Source Code	322600	prdgrpex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.

Environment	Module Type	Defect #	Module	Change
DWI	Source Code	322600	prdislex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	322600	prditmex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Modifications to differentiator logic. Replace existing module of the same name.
DWI	Source Code	322600	prditmex.ksh	Modify the module and the schema file prditmdm.schema to extract more diff columns from RMS according to the Diff restructure. Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Modifications to differentiator logic. Replace existing module of the same name.
DWI	Source Code	322600	prditmlex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.

Environment	Module Type	Defect #	Module	Change
DWI	Source Code	323520, 322600	prditmlmex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. 323520 Added condition item_level = transaction level. Replace existing module of the same name.
DWI	Source Code	322600	prditmltmex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	322600	prditmsmex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	329381, 324908, 322600	prdpimex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. #324908 Approved items within unapproved pack will not be processed. The pack and items within this pack should all be approved before this pack is processed. #329381 Changed the join from packitem_breakout to v_packsku_qty in order to sum the cases where a component item is part of pack #1 and pack #2, and pack #2 is also part of pack #1. Replace existing module of the same name.

Environment	Module Type	Defect #	Module	Change
DWI	Source Code	322600	prdsbcex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	322600	prdudaex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	Enhancement	pre_dwi_fact.ksh	New ETL module
DWI	Source Code	Enhancement	pre_dwi_temp.ksh	New ETL module
DWI	Source Code	329053, 322600	prmevtex.ksh	329053 Added code to extract promotions with status of 'E'. Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	329053, 322600	prmhdxex.ksh	329053 Added code to extract promotions with status of 'E'. Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.

Environment	Module Type	Defect #	Module	Change
DWI	Source Code	329053, 329307, 322600	prmschex.ksh	329307 Fixed logic that creates a dummy rows with a scheme identifier equal to -2. 329053 Added code to extract promotions with status of 'E'. Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	322600	regngrpex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	322600	regnmtxex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	322600	rsnex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	Enhancement	savidex.ksh	New ETL module that replaces savidat.pc
DWI	Source Code	Enhancement	scmialdex.ksh	New ETL module that replaces scmialdat.pc

Environment	Module Type	Defect #	Module	Change
DWI	Source Code	Enhancement	scmidldat.pc	Data no longer supplied by RMS, remove module
DWI	Source Code	Enhancement	scmioldex.ksh	New ETL module that replaces scmioldat.pc
DWI	Source Code	Enhancement	scrqtlidx.ksh	New ETL module that replaces scrqtlidx.pc
DWI	Source Code	Enhancement	scrtilldex.ksh	New ETL module that replaces scrtilldat.pc
DWI	Source Code	Enhancement	sctidex.ksh	New ETL module that replaces sctidat.pc
DWI	Source Code	322600	seasnex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Changed to use \$REJ_FILE which is set in dwi_config.env to be consistent with all other modules. Replace existing module of the same name.
DWI	Source Code	Enhancement	sfcilwex.ksh	New ETL module that replaces sfcilwat.pc
DWI	Source Code	Enhancement	sincildex.ksh	New ETL module that replaces sincildat.pc
DWI	Source Code	Enhancement	slsildmex.ksh	New ETL module that replaces slsildmat.pc
DWI	Source Code	Enhancement	slsmkdnldex.ksh	New ETL module that replaces slsmkdnldat.pc
DWI	Source Code	Enhancement	stlblwex.ksh	New ETL module that replaces stlblwat.pc
DWI	Source Code	322600	subtrantypex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.

Environment	Module Type	Defect #	Module	Change
DWI	Source Code	322600	supctrex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	322600	supsupex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	322600	suptrmex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	322600	suptrtex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.

Environment	Module Type	Defect #	Module	Change
DWI	Source Code	322600	tndrtypex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	Enhancement	ttldmex	New ETL module that replaces ttldmat.pc
DWI	Source Code	322600	ttltypex.ksh	Updated name used for config file to dwi_config.env. 322600 Update modules to remove the redirection to the \$ERR_FILE from any rfx commands. Changed the library directory from lib.ksh to dwi_lib.ksh. Added code to remove status file if the KSH is successful as well as added some RMS prefixes before RMS table names. Replace existing module of the same name.
DWI	Source Code	Enhancement	vchreschdex.ksh	New ETL module that replaces vchreschdat.pc
DWI	Source Code	Enhancement	vchrmoveldsgex.ksh	New ETL module that replaces vchrmoveldat.pc
DWI	Source Code	Enhancement	vchroutlwex.ksh	New ETL module that replaces vchroutlwat.pc

Environment	Module Type	Defect #	Module	Change
RDW	Configuration File	N/A	rdw_config.env	<p>For file name standardization:</p> <ul style="list-style-type: none"> • moved the setting of the file names closer to the beginning • set the \$LOG_FILE variable to be consistent with dwi • added if statement so \$FILE_DATE uses \$DATEKEY except if program is mt_prime and then it uses \$NEXT_DATEKEY • changed file names to use \$FILE_DATE instead of system date • added bkm to bookmark file name. Replaces existing config.env. • NLS_NUMERIC_CHARACTERS setting included to allow RDW RETL scripts to recognize numeric formats that include a comma (,) character to represent the decimal place
RDW	Install Script	329747	cr_time_13.c	329747 Changed the conditions of several time transformation calculations. Replace existing cr_time_13.c.
RDW	Install Script	Enhancement	default_load.ksh	Change config.env to rdw_config.env. Remove unnecessary \$LOG_FILE definition. Replace existing default_load.ksh.
RDW	Install Script	Enhancement	load_dummyrows.sql	Updated to reflect changes in PROD_ITEM_DM with the removal of diff columns. Change end_dt value to '4444-04-04' in prmtn_head_dm and prmtn_schm_dm. Replace existing load_dummyrows.sql.
RDW	Install Script	Enhancement	load_prod_diff_type.sql	Added diff_types 11 through 30. Replace existing load_prod_diff_type.sql
RDW	Install Script	323951	load_program_control.sql	323951 Changed operation type of vchroutlwdm.ksh. Changed program type of vchreschddm.ksh. Added entry for module vchrmoveldsg.ksh. Changed program type and operation type for prditmdm.ksh. Changed program type and operation type for vchrmovelddm.ksh.

Environment	Module Type	Defect #	Module	Change
RDW	Install Script	323182	time_load.ksh	323182 Remove ability to error on unique constraint. Replace existing time_load.ksh
RDW	Install Script	Enhancement	time_static_load.ksh	Change config.env to rdw_config.env. Remove unnecessary \$ERR_FILE definition. Replace existing time_static_load.ksh.
RDW	Install Script	323182	time_trnsfrm_load.ksh	Removal of error constraint when encountering duplicate data. Replaces existing time_trnsfrm_load.ksh
RDW	Install Script	Enhancement	timelfldm.ksh	Change config.env to rdw_config.env. Remove unnecessary \$ERR_FILE definition. Replace existing timelfldm.ksh.
RDW	Install Script	Enhancement	vchrgedm.ksh	Updated module to remove the redirection to the \$ERR_FILE from any rfx commands. Updated name of config.env to rdw_config.env. Remove unnecessary \$ERR_FILE definition. Replace existing vchrgedm.ksh
RDW	Library	322600, 324506, 321363	analyze_tbl.ksh	Updated name for config file to rdw_config.env. 324506 Added restart recovery. 322600 Combine standard output and standard error. 321363 Use ETL command instead of sqlplus to remove the BA_OWNER from the table name. Replace existing module of same name.
RDW	Library	322600, 324506	chk_status.ksh	Updated name for config file to rdw_config.env. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Library	322600, 324506	create_idx.ksh	Updated name for config file to rdw_config.env. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Library	322600, 324506	dim_low.ksh	Create_idx.ksh doesn't need to be called for Teradata database environment. Updated name for config file to rdw_config.env. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.

Environment	Module Type	Defect #	Module	Change
RDW	Library	322600, 324506, 321333	dim_mtx.ksh	Create_idx.ksh doesn't need to be called for Teradata database environment. Updated name for config file to rdw_config.env. 324506 Added restart recovery. 322600 Combine standard output and standard error. 321333 Created index on MTX temp table. Replace existing module of same name.
RDW	Library	322600, 324506, 321329	dim_top.ksh	321329 Create_idx.ksh doesn't need to be called for Teradata database environment. Updated name for config file to rdw_config.env. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Library	322600, 324506	do_update.ksh	Updated name for config file to rdw_config.env. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Library	322600, 324506, 330142	do_update.ksh	Updated name for config file to rdw_config.env. 324506 Added restart recovery. 322600 Combine standard output and standard error. 330142 Change delete_non_dummy function for DB2. Replace existing module of same name.
RDW	Library	322600, 324506	do_update.ksh	Updated name for config file to rdw_config.env. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Library	322600, 324506	drop_tbl.ksh	Updated name for config file to rdw_config.env. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Library	322600, 324506	error.ksh	Updated name for config file to rdw_config.env. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.

Environment	Module Type	Defect #	Module	Change
RDW	Library	322600, 324506	fact_agg.ksh	Updated name for config file to rdw_config.env. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Library	322600, 324506	fact_incr_upd.ksh	Added an if statement around creating the index for the temp2 table. Updated name for config file to rdw_config.env. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Library	322600, 324506	fact_ins_upd.ksh	Updated name for config file to rdw_config.env. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Library	322600, 324506	fact_mtx.ksh	Updated name for config file to rdw_config.env. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Library	322600, 324506, 320979	factload.ksh	In FACT_MATRIX section added check for INSERT_G and added additional bookmark check around the dropping of the source temp table. Updated name for config file to rdw_config.env. 324506 Added restart recovery. 322600 Combine standard output and standard error. 320979 Remove reference to UPDATE_A_CNT operation type, and remove setting of TEMP_TBL parameter, and make a call to the message library function before calling chk_status in order to set up the log file. Replace existing module of same name.
RDW	Library	322600, 324506	get_key.ksh	Updated name for config file to rdw_config.env. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.

Environment	Module Type	Defect #	Module	Change
RDW	Library	329571	message.ksh	For file name standardization - changed to use \$LOG_FILE which is set in rdw_config.env. 329571 Added code to write message to the error file in addition to the log file. Replace existing module of same name.
RDW	Library	322600, 324506	upd_status.ksh	Updated name for config file to rdw_config.env. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Library	322600	update_next_key.sql	Removed lib.ksh & config.ksh calls. 322600 Combine standard error and output. Replace existing module of same name.
RDW	Maintenance Code	322600, 324506, 324455	factclosedm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. 324506 Added restart recovery. 322600 Combine standard output and standard error. 324455 Change to allow run of factclosedm.ksh on the first day after installation. Replace existing module of same name.
RDW	Maintenance Code	322600, 324506	factopendm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Maintenance Code	322600, 324506	mt_prime.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Maintenance Code	322600, 324506	orapartseed.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.

Environment	Module Type	Defect #	Module	Change
RDW	Maintenance Code	322600, 324506	seasnopendm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name. Added module to batch flows, as it was missing. See 10.1 Ops Guide for module dependencies.
RDW	Schema File	322782	plcblwdm.schema	Change loc_idnt from nullable to not nullable. Replaces existing plcblwdm.schema
RDW	Schema File	322782	ploblwdm.schema	Change loc_idnt from nullable to not nullable. Replaces existing ploblwdm.schema
RDW	Schema File	N/A	scqcdm.schema	Added po_idnt. Replaces existing scqcdm.schema.
RDW	Source Code	Enhancement	cmptrdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	cmptrlmdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	cmptrloddm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	322600, 324506	cmptprcildm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	Enhancement	crnycddm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.

Environment	Module Type	Defect #	Module	Change
RDW	Source Code	322600, 324506	ctislddm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	322600, 324506	custacctdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Move chk_status after SRC_FILE is defined. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	322600, 324506	custelstrdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Move chk_status after SRC_FILE is defined. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	N/A	custelstrimdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	322600, 324506	custclupddm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Move chk_status after SRC_FILE is defined. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	322600, 324506	custdemogdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. 324506 Added restart recovery. 322600 Combine standard output and standard error.

Environment	Module Type	Defect #	Module	Change
RDW	Source Code	322600, 324506	custdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	Enhancement	emplydm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	exchngratedm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	geocdedm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	invblddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	invblwdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	322600, 324506	invilddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	Enhancement	invilwdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	itmclstremdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.

Environment	Module Type	Defect #	Module	Change
RDW	Source Code	322600, 324506	itmlkupdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Remove unnecessary ERR_FILE definition. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	Enhancement	ivailddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	ivrcpblddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	ivrcpblwdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	ivrcpilddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	ivrcpilwdm.sksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	ivrillddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	ivtblddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	ivtblwdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	ivtilddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	ivtilwdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.

Environment	Module Type	Defect #	Module	Change
RDW	Source Code	322600, 324506	ivuilddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	Enhancement	lptldmdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	322600, 324506	lptldqdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	Enhancement	lptotlddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	lptotlddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	322600, 324506, 321810	maralmdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. 324506 Added restart recovery. 322600 Combine standard output and standard error. 321810 Modified the path/file_name command-line parameter logic. Replace existing module of same name.
RDW	Source Code	322600, 324506, 321810	maralvldm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. 324506 Added restart recovery. 322600 Combine standard output and standard error. 321810 Modified the path/file_name command-line parameter logic. Replace existing module of same name.

Environment	Module Type	Defect #	Module	Change
RDW	Source Code	322600, 324506, 329366, 321810	mdepdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. 324506 Added restart recovery. 322600 Combine standard output and standard error. 329366 Retrieved active department key based on current run date, rather than the latest department key. 321810 Modified the path/file_name command-line parameter logic. Replace existing module of same name.
RDW	Source Code	322600, 324506, 329366, 329364, 321810	mitmdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. 324506 Added restart recovery. 322600 Combine standard output and standard error. 329366 Retrieved active item key based on current run date, rather than the latest item key. 329364 Pull mkt_item_idnt instead of mkt_dept_idnt. 321810 Modified the path/file_name command-line parameter logic. Replace existing module of same name.
RDW	Source Code	322600, 324506, 329405, 321810	mslsdlwdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. 324506 Added restart recovery. 322600 Combine standard output and standard error. 329405 Added hash and sort all import sets before inner join to allow for proper inserting into target tables. 321810 Modified the path/file_name command-line parameter logic. Replace existing module of same name.
RDW	Source Code	322600, 324506, 329405, 321810	mslsilwdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. 324506 Added restart recovery. 322600 Combine standard output and standard error. 329405 Added hash and sort all import sets before inner join to allow for proper inserting into target tables. 321810 Modified the path/file_name command-line parameter logic. Replace existing module of same name.

Environment	Module Type	Defect #	Module	Change
RDW	Source Code	322600, 324506	ncstuilddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	322600, 324506, 329383	nprftuilddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Changed syntax for Teradata, removed parenthesis. 324506 Added restart recovery. 322600 Combine standard output and standard error. 329383 Added NVL to driving cursor. Replace existing module of same name.
RDW	Source Code	Enhancement	nprftuilwdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	N/A	orgaradm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	orgchandm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	orgchndm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	orgdisdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	orgllmdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.

Environment	Module Type	Defect #	Module	Change
RDW	Source Code	Enhancement	orglocdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	orgloldm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	orgltmdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	orgltrdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	orgrgndm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	phasdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	plcblwdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	322600, 324506	plnsendm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.

Environment	Module Type	Defect #	Module	Change
RDW	Source Code	322600, 324506	ploblwdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	322600, 324506	prcilddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	Enhancement	prdelsdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	322600, 324506	prdcmpdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	Enhancement	prddcmpdm.ksh	Remove
RDW	Source Code	Enhancement	prddcmpmdm.ksh	Remove
RDW	Source Code	Enhancement	prddepdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	prddgrpdm.ksh	Remove
RDW	Source Code	Enhancement	prddgrpmdm.ksh	Remove
RDW	Source Code	Enhancement	prddiffdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.

Environment	Module Type	Defect #	Module	Change
RDW	Source Code	Enhancement	prddisldm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	prddivdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	322600, 324506	prddtypdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Drop all temporary tables after use. Change to allow deletion of diff type. Move chk_status after SRC_FILE is defined. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	Enhancement	prdgrpdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	322600, 324506	prditmclstrdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Move chk_status after SRC_FILE is defined. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	322600, 324506	prditmclupddm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Move chk_status after SRC_FILE is defined. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.

Environment	Module Type	Defect #	Module	Change
RDW	Source Code	322600, 324506	prditmdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Fix duplicate records when get level keys. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace some exceptional code by calling dim_low.ksh library. Add new code to populate table prod_item_diff_mtx_dm. Replace existing module of same name.
RDW	Source Code	322600, 324506	prditmdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Fix duplicate records when get level keys. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	Enhancement	prditmldm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	prditmlmdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	prditmltmdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	322600, 324506	prditmsmdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Move chk_status after SRC_FILE is defined. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.

Environment	Module Type	Defect #	Module	Change
RDW	Source Code	322600, 324506	prditmuddm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	Enhancement	prditmuhdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	322600, 324506	prditmumdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	322600, 324506	prdlvldm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name. Added module to batch flows, as it was missing. See 10.1 Ops Guide for module dependencies.
RDW	Source Code	322600, 324506, 329346	prdpimdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Removed the empty fieldmod that wasn't doing anything anyway, and dropped the DM_RECD_CURR_FLAG and DM_RECD_CLOSE_DT from the close dataset. Move chk_status after SRC_FILE is defined. 324506 Added restart recovery. 322600 Combine standard output and standard error. 329346 Fixed to allow items to be added to a pack on the same day the item is reclassified. Replace existing module of same name.
RDW	Source Code	Enhancement	prdsbcdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.

Environment	Module Type	Defect #	Module	Change
RDW	Source Code	Enhancement	prmevtdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	prmhdrdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	prmschdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	regngrpdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	regnmtxdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	322600, 324506	rgstrdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	Enhancement	rsndm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	322600, 324506	saviddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.

Environment	Module Type	Defect #	Module	Change
RDW	Source Code	Enhancement	scmilddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	enhancement	scmilwdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	323749	scrclddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. 323749 Data from received quantities needs to be incremental updated and add ship_idnt and po_idnt to the key fields. Replace existing module of same name.
RDW	Source Code	323750	scrclwdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. 323749 Data from received quantities needs to be incremental updated. Replace existing module of same name.
RDW	Source Code	322600, 324506	sctiddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	322600, 324506	seasndm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	Enhancement	sfcblwdm.ksh	Remove unnecessary sales forecast columns. Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	sfcilwdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	sincilddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.

Environment	Module Type	Defect #	Module	Change
RDW	Source Code	Enhancement	slsblddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	slsblwdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	slsilddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	slsildmdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	slsilwdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	slsmkdnildm.ksh	Remove value added tax (VAT) logic. Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	slsmkdnildm.ksh	Remove value added tax (VAT) logic. Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	slsmkdnildm.ksh	Remove value added tax (VAT) logic. Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	slspilddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	322600, 324506	spaldldm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.

Environment	Module Type	Defect #	Module	Change
RDW	Source Code	322600, 324506	spaldlddm2.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	322600, 324506	spalilddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	Enhancement	stlblwdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	sttflddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	subtrantypedm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	supctrdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	322600, 324506	supsupdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	Enhancement	suptrmdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.

Environment	Module Type	Defect #	Module	Change
RDW	Source Code	Enhancement	suptrtdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	tndrtypedm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	tsilddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	322600, 324506	tsildqdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. 324506 Added restart recovery. 322600 Combine standard output and standard error. Replace existing module of same name.
RDW	Source Code	Enhancement	tllddm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	tlldmdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	tlldqdm.ksh	Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	tltypdm.ksh	Updated name for config file to rdw_config.env. Moved program file declaration above config file. Replace existing module of same name.
RDW	Source Code	Enhancement	vchreschddm.ksh	Added the setting of the group_keys and group_sum variables because the program type has changed to BASEFACT_INCR_UPD. Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.

Environment	Module Type	Defect #	Module	Change
RDW	Source Code	Enhancement	vchrmoveiddm.ksh	Program type is changed from FACT_MATRIX to FACT_AGG_STD. Added BASE_TABLE, GROUP_KEYS, and GROUP_SUM variables. Removed BASEFACT_QUERY. Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.
RDW	Source Code	Enhancement	vchrmoveidsg.ksh	New source code
RDW	Source Code	Enhancement	vchroutlwdm.ksh	Operation type changed to INSERT_G so added the GROUP_KEYS and GROUP_SUM. Updated name for config file to rdw_config.env. Update export file name location in file. Replace existing module of same name.

Appendix C – MicroStrategy object changes

The following is a list of MicroStrategy object changes from the base version of RDW 10.0 to 10.1.

Note: All table changes are done within the warehouse catalog, accessed via the schema drop-down box. Objects that are listed under “Optional upgrade” only had cosmetic changes made for RDW 10.1, and are not required to be migrated.

Workbench abbreviations:

Category Management - CM, Merchandising - ME, Store Operations - SO, Customer – CU

Catalog changes

Workbench(s)	Object	Defect #	Object Type	Change
All	PROD_ITEM_DIFF_MTX_DM_V	Enhancement	Table	Add to Catalog
All	PROD_ITEM_DM	Enhancement	Table	Update Structure
CM, ME, SO	SCMPT_RCPT_ITEM_LD_DM	Enhancement	Table	Update Structure
CM, ME, SO	SCMPT_RCPT_ITEM_LW_DM	Enhancement	Table	Update Structure
CM, ME, SO	SLS_FCST_ITEM_LW_DM	Enhancement	Table	Update Structure
CM, ME, SO	SLS_FCST_SBC_LW_DM	Enhancement	Table	Update Structure
CM, ME, SO	SLS_MKDN_ITEM_LW_DM	Enhancement	Table	Update Structure
CM, ME, SO	SLS_MKDN_PACK_ITEM_LD_DM	Enhancement	Table	Update Structure
CM, ME, SO	SLS_MKDN_ITEM_LD_DM	Enhancement	Table	Update Structure
All	PROD_DIFF_COMP_DM	Enhancement	Table	Remove from Catalog
All	PROD_DIFF1_DM_V	Enhancement	Table	Remove from Catalog

Workbench(s)	Object	Defect #	Object Type	Change
All	PROD_DIFF1_GROUP_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF1_COMP_MTX_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF2_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF2_GROUP_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF2_COMP_MTX_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF3_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF3_GROUP_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF3_COMP_MTX_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF4_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF4_GROUP_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF4_COMP_MTX_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF5_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF5_GROUP_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF5_COMP_MTX_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF6_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF6_GROUP_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF6_COMP_MTX_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF7_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF7_GROUP_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF7_COMP_MTX_DM_V	Enhancement	Table	Remove from Catalog

Workbench(s)	Object	Defect #	Object Type	Change
All	PROD_DIFF8_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF8_GROUP_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF8_COMP_MTX_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF9_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF9_GROUP_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF9_COMP_MTX_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF10_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF10_GROUP_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF10_COMP_MTX_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF1_GROUP_MTX_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF2_GROUP_MTX_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF3_GROUP_MTX_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF4_GROUP_MTX_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF5_GROUP_MTX_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF6_GROUP_MTX_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF7_GROUP_MTX_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF8_GROUP_MTX_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF9_GROUP_MTX_DM_V	Enhancement	Table	Remove from Catalog
All	PROD_DIFF10_GROUP_MTX_DM_V	Enhancement	Table	Remove from Catalog

Diff upgrade

Workbench(s)	Object	Defect #	Object Type	Change
All	Diff Comp	Enhancement	Attribute	Delete
All	Color Group	Enhancement	Attribute	Delete
All	Flavor Group	Enhancement	Attribute	Delete
All	Pattern Group	Enhancement	Attribute	Delete
All	Scent Group	Enhancement	Attribute	Delete
All	Size Group	Enhancement	Attribute	Delete
All	Diff Group 6	Enhancement	Attribute	Delete
All	Diff Group 7	Enhancement	Attribute	Delete
All	Diff Group 8	Enhancement	Attribute	Delete
All	Diff Group 9	Enhancement	Attribute	Delete
All	Diff Group 10	Enhancement	Attribute	Delete
All	ITEM	Enhancement	Attribute	Ensure that the table prod_item_diff_mtx_dm_v is checked within the ID and DESC attribute form definitions
All	Color	Enhancement	Attribute	1. Update look-up table for ID and DESC to prod_item_diff_mtx_dm_v.
				2. Uncheck all other source tables of ID and DESC.
All	Flavor	Enhancement	Attribute	same as Color

Workbench(s)	Object	Defect #	Object Type	Change
All	Pattern	Enhancement	Attribute	same as Color
All	Scent	Enhancement	Attribute	same as Color
All		Enhancement		same as Color
All	Size	Enhancement	Attribute	same as Color
All	Diff 6	Enhancement	Attribute	same as Color
All	Diff 7	Enhancement	Attribute	same as Color
All	Diff 8	Enhancement	Attribute	same as Color
All	Diff 9	Enhancement	Attribute	same as Color
All	Diff 10	Enhancement	Attribute	same as Color
All	Diff 11	Enhancement		New - look-up table is prod_item_diff_mtx_dm_v
				ID = diff11_idnt
				DESC = diff11_desc
				Child = Item 1:M

Workbench(s)	Object	Defect #	Object Type	Change
All	Diff 12	Enhancement	Attribute	New - look-up table is prod_item_diff_mtx_dm_v
				ID = diff12_idnt
				DESC = diff12_desc
				Child Item 1:M
All	Diff 13	Enhancement	Attribute	New - look-up table is prod_item_diff_mtx_dm_v
				ID = diff13_idnt
				DESC = diff13_desc
				Child Item 1:M
All	Diff 14	Enhancement	Attribute	New - look-up table is prod_item_diff_mtx_dm_v
				ID = diff14_idnt
				DESC = diff14_desc
				Child Item 1:M
All	Diff 15	Enhancement	Attribute	New - look-up table is prod_item_diff_mtx_dm_v
				ID = diff15_idnt
				DESC = diff15_desc
				Child Item 1:M
All	Diff 16	Enhancement	Attribute	New - look-up table is prod_item_diff_mtx_dm_v
				ID = diff16_idnt

Workbench(s)	Object	Defect #	Object Type	Change
				DESC = diff16_desc
				Child Item 1:M
All	Diff 17	Enhancement	Attribute	New - look-up table is prod_item_diff_mtx_dm_v
				ID = diff17_idnt
				DESC = diff17_desc
				Child Item 1:M
All	Diff 18	Enhancement	Attribute	New - look-up table is prod_item_diff_mtx_dm_v
				ID = diff18_idnt
				DESC = diff18_desc
				Child Item 1:M
All	Diff 19	Enhancement	Attribute	New - look-up table is prod_item_diff_mtx_dm_v
				ID = diff19_idnt
				DESC = diff19_desc
				Child Item 1:M
All	Diff 20	Enhancement	Attribute	New - look-up table is prod_item_diff_mtx_dm_v
				ID = diff20_idnt
				DESC = diff20_desc
				Child Item 1:M

Workbench(s)	Object	Defect #	Object Type	Change
All	Diff 21	Enhancement	Attribute	New - look-up table is prod_item_diff_mtx_dm_v
				ID = diff21_idnt
				DESC = diff21_desc
				Child Item 1:M
All	Diff 22	Enhancement	Attribute	New - look-up table is prod_item_diff_mtx_dm_v
				ID = diff22_idnt
				DESC = diff22_desc
				Child Item 1:M
All	Diff 23	Enhancement	Attribute	New - look-up table is prod_item_diff_mtx_dm_v
				ID = diff23_idnt
				DESC = diff23_desc
				Child Item 1:M
All	Diff 24	Enhancement	Attribute	New - look-up table is prod_item_diff_mtx_dm_v
				ID = diff24_idnt
				DESC = diff24_desc
				Child Item 1:M

Workbench(s)	Object	Defect #	Object Type	Change
All	Diff 25	Enhancement	Attribute	New - look-up table is prod_item_diff_mtx_dm_v
				ID = diff25_idnt
				DESC = diff25_desc
				Child Item 1:M
All	Diff 26	Enhancement	Attribute	New - look-up table is prod_item_diff_mtx_dm_v
				ID = diff26_idnt
				DESC = diff26_desc
				Child Item 1:M
All	Diff 27	Enhancement	Attribute	New - look-up table is prod_item_diff_mtx_dm_v
				ID = diff27_idnt
				DESC = diff27_desc
				Child Item 1:M
All	Diff 28	Enhancement	Attribute	New - look-up table is prod_item_diff_mtx_dm_v
				ID = diff28_idnt
				DESC = diff28_desc
				Child Item 1:M

Workbench(s)	Object	Defect #	Object Type	Change
All	Diff 29	Enhancement	Attribute	New - look-up table is prod_item_diff_mtx_dm_v
				ID = diff29_idnt
				DESC = diff29_desc
				Child Item 1:M
All	Diff 30	Enhancement	Attribute	New - look-up table is prod_item_diff_mtx_dm_v
				ID = diff30_idnt
				DESC = diff30_desc
				Child Item 1:M

Forecast sales upgrade

Workbench(s)	Object	Defect #	Object Type	Change
ME	Sales - Actual vs Forecast, Plan, Last Year	Enhancement	Report Folder	Sales - Actual vs Plan, Last Year
ME	Sales - Actual vs Forecast, Plan, Last Year	Enhancement	Template Folder	Sales - Actual vs Plan, Last Year
ME	Organization, Sales Value vs Forecast, Plan, Last Year (A)	Enhancement	Report	Rename: Organization, Sales Value vs Plan, Last Year (A)
ME	Product, Sales Value vs Forecast, Plan, Last Year (A)	Enhancement	Report	Rename: Product, Sales Value vs Plan, Last Year (A)

Workbench(s)	Object	Defect #	Object Type	Change
ME	Time, Sales Value vs Forecast, Plan, Last Year (A)	Enhancement	Report	Rename: Time, Sales Value vs Plan, Last Year (A)
ME	Department, Price Band Performance Actual vs Forecast	Enhancement	Template	Replace metrics, Forecast Sales Value and % Contrib Sales Value to Forecast Sales metrics with Sales Units and Forecast Sales Units.
ME	Item, Price Band Performance Actual vs Forecast	Enhancement	Template	Replace metrics, Forecast Sales Value and % Contrib Sales Value to Forecast Sales metrics with Sales Units and Forecast Sales Units.
ME	Product, Price Band Performance Actual vs Forecast	Enhancement	Template	Replace metrics, Forecast Sales Value and % Contrib Sales Value to Forecast Sales metrics with Sales Units and Forecast Sales Units.
ME	Organization, Sales Value vs Forecast, Plan, Last Year	Enhancement	Template	Remove metrics, Forecast Sales Value and % Contrib Sales Value to Forecast Sales.
				Rename: Organization, Sales Value vs Plan, Last Year
ME	Product, Sales Value vs Forecast, Plan, Last Year	Enhancement	Template	Remove metrics, Forecast Sales Value and % Contrib Sales Value to Forecast Sales.
				Rename: Product, Sales Value vs Plan, Last Year

Workbench(s)	Object	Defect #	Object Type	Change
ME	Time, Sales Value vs Forecast, Plan, Last Year	Enhancement	Template	Remove metrics, Forecast Sales Value and % Contrib Sales Value to Forecast Sales.
				Rename: Time, Sales Value vs Plan, Last Year
CM, ME, SO	Forecast Sales Value	Enhancement	Metric	Delete
CM, ME, SO	Running Forecast Sales Value	Enhancement	Metric	Delete
CM, ME, SO	% Contrib Sales Value to Forecast Sales Value	Enhancement	Metric	Delete
CM, ME, SO	First In Range BOH Value - Running Forecast Sales Value	Enhancement	Metric	Delete
CM, ME, SO	Forecast Value Weeks of Supply	Enhancement	Metric	Delete
CM, ME, SO	(This Week Forward) and (First In Range BOH Value - Running Forecast Sales Value > 0)	Enhancement	Metric	Delete
CM, ME, SO	Forecast Sales Amount	Enhancement	Base Formula	Delete
CM, ME, SO	Forecast Sales Amount (Local)	Enhancement	Base Formula	Delete
CM, ME, SO	Forecast Sales VAT Amount	Enhancement	Base Formula	Delete
CM, ME, SO	Forecast Sales VAT Amount (Local)	Enhancement	Base Formula	Delete
CM, ME, SO	F_FCST_SLS_AMT	Enhancement	Fact	Delete

Workbench(s)	Object	Defect #	Object Type	Change
CM, ME, SO	F_FCST_SLS_AMT_LCL	Enhancement	Fact	Delete
CM, ME, SO	F_FCST_PRFT_AMT	Enhancement	Fact	Delete
CM, ME, SO	F_FCST_PRFT_AMT_LCL	Enhancement	Fact	Delete
CM, ME, SO	F_FCST_SLS_VAT_AMT	Enhancement	Fact	Delete
CM, ME, SO	F_FCST_SLS_VAT_AMT_LCL	Enhancement	Fact	Delete

VAT upgrade

Workbench(s)	Object	Defect #	Object Type	Change
CM, ME, SO	Markdown Value VAT	Enhancement	Metric	Delete
CM, ME, SO	Clearance Markdown Value VAT	Enhancement	Metric	Delete
CM, ME, SO	Promotion Markdown Value VAT	Enhancement	Metric	Delete
CM, ME, SO	Regular Markdown Value VAT	Enhancement	Metric	Delete
CM, ME, SO	Markdown VAT Amount	Enhancement	Base Formula	Delete
CM, ME, SO	Markup VAT Amount	Enhancement	Base Formula	Delete
CM, ME, SO	Markup VAT Amount (Local)	Enhancement	Base Formula	Delete
CM, ME, SO	Pack Markdown VAT Amount	Enhancement	Base Formula	Delete
CM, ME, SO	Pack Markdown VAT Amount (Local)	Enhancement	Base Formula	Delete
CM, ME, SO	Pack Markup VAT Amount	Enhancement	Base Formula	Delete
CM, ME, SO	Pack Markup VAT Amount (Local)	Enhancement	Base Formula	Delete

Workbench(s)	Object	Defect #	Object Type	Change
CM, ME, SO	Forecast Sales Amount	Enhancement	Base Formula	Delete
CM, ME, SO	Forecast Sales Amount (Local)	Enhancement	Base Formula	Delete
CM, ME, SO	Forecast Sales VAT Amount	Enhancement	Base Formula	Delete
CM, ME, SO	Forecast Sales VAT Amount (Local)	Enhancement	Base Formula	Delete
CM, ME, SO	F_MKDN_VAT_AMT	Enhancement	Fact	Delete
CM, ME, SO	F_MKDN_VAT_AMT_LCL	Enhancement	Fact	Delete
CM, ME, SO	F_MKUP_VAT_AMT	Enhancement	Fact	Delete
CM, ME, SO	F_MKUP_VAT_AMT_LCL	Enhancement	Fact	Delete
CM, ME, SO	F_PACK_MKDN_VAT_AMT	Enhancement	Fact	Delete
CM, ME, SO	F_PACK_MKDN_VAT_AMT_LCL	Enhancement	Fact	Delete
CM, ME, SO	F_PACK_MKUP_VAT_AMT	Enhancement	Fact	Delete
CM, ME, SO	F_PACK_MKUP_VAT_AMT_LCL	Enhancement	Fact	Delete

Misc upgrade

Workbench(s)	Object	Defect #	Object Type	Change
CM, ME, SO	F_EXPECTED_QTY	Enhancement	Fact	Edit fact to point to new column and rename to F_ASN_EXPECTED_QTY
CM, ME, SO	F_ON_TARGET_COUNT	Enhancement	Fact	Edit fact to point to new column and rename to F_ASN_EXPECTED_COUNT
CM, ME, SO	F_UNDER_TARGET_COUNT	Enhancement	Fact	Edit fact to point to new column and rename to F_ASN_UNDER_COUNT

Workbench(s)	Object	Defect #	Object Type	Change
CM, ME, SO	F_OVER_TARGET_COUNT	Enhancement	Fact	Edit facdt to point to new column and rename to F_ASN_OVER_COUNT
CM, ME, SO	Rate of Sale	Enhancement	Metric	Formula updated from: $(([\text{Sales Units}] / [\text{BOH Units}]) + [\text{Receipt Units}])$ To: $([\text{Sales Units}] / ([\text{BOH Units}] + [\text{Receipts Units}])))$
CM, ME, SO	Market Sales Rate	Defect 000327447	Base Formula	Formula updated from: $(\text{Avg}([\text{F_MKT_AVG_MMACV_SLS_RATE}]) / 100)$ To: $(\text{Avg}([\text{F_MKT_AVG_MMACV_SLS_RATE}])))$
CM, ME, SO	Avg ACV Weighted Distribution Percent	Defect 000327447	Base Formula	Formula updated from: $(\text{Avg}([\text{F_MKT_AVG_ACV_WGT_DIST_PCT}]) / 100)$ To: $(\text{Avg}([\text{F_MKT_AVG_ACV_WGT_DIST_PCT}])))$
CU	Customer	Enhancement	Attribute	Report and Browse forms updated to include only: Last Name First Name
All	** All Count Base Formulas	Defect 000318893	Base Formula	Add the formula $* (1.0001 / 1.0001)$ to each base formula that uses the COUNT function. This is a necessary loss of precision fix for DB2 and Teradata clients, in order to maintain precision when dividing two count metrics.

Optional upgrade

Workbench(s)	Object	Defect #	Object Type	Change
CM, ME, SO	No of On Target Deliveries	Enhancement	Base Formula	New Name: No of ASN Expected Deliveries

Workbench(s)	Object	Defect #	Object Type	Change
CM, ME, SO	No of Over Target Deliveries	Enhancement	Base Formula	New Name: No of ASN Over Deliveries
CM, ME, SO	No of Under Target Deliveries	Enhancement	Base Formula	New Name: No of ASN Expected Deliveries
CM, ME, SO	% Over Target Deliveries	Enhancement	Metric	New Name: % ASN Over Deliveries
CM, ME, SO	% Under Target Deliveries	Enhancement	Metric	New Name: % ASN Under Deliveries
CM, ME, SO	No of On Target Deliveries	Enhancement	Metric	New Name: No of ASN Expected Deliveries
CM, ME, SO	No of On Target Deliveries (Last Year)	Enhancement	Metric	New Name: No of ASN Expected Deliveries (Last Year)
CM, ME, SO	No of Over Target Deliveries	Enhancement	Metric	New Name: No of ASN Over Deliveries
CM, ME, SO	No of Over Target Deliveries (Last Year)	Enhancement	Metric	New Name: No of ASN Over Deliveries (Last Year)
CM, ME, SO	No of Under Target Deliveries	Enhancement	Metric	New Name: No of ASN Under Deliveries
CM, ME, SO	No of Under Target Deliveries (Last Year)	Enhancement	Metric	New Name: No of ASN Under Deliveries (Last Year)
CM, ME, SO	Organization, Sales Value vs Forecast, Plan, Last Year	Enhancement	Template	New Name: Organization, Sales Value vs Plan, Last Year

Workbench(s)	Object	Defect #	Object Type	Change
CM, ME, SO	Product, Sales Value vs Forecast, Plan, Last Year	Enhancement	Template	New Name: Product, Sales Value vs Plan, Last Year
CM, ME, SO	Product, Sales Value vs Forecast, Plan, Last Year	Enhancement	Template	New Name: Time, Sales Value vs Plan, Last Year
CM, ME, SO	Time, Sales Value vs Forecast, Plan, Last Year	Enhancement	Template	New Name: Time, Sales Value, vs Plan, Last Year
CM, ME, SO	Time, Sales Value, vs Forecast, Plan, Last Year	Enhancement	Template	New Name: Sales - Actual vs Plan, Last Year
CM, ME, SO	Sales - Actual vs Forecast, Plan, Last Year	Enhancement	Template	New Name: Sales - Actual vs Plan, Last Year
CM, ME, SO	Sales - Actual vs Forecast, Plan, Last Year	Enhancement	Template	New Name: Sales - Actual vs Plan, Last Year
CM, ME, SO	Organization, Sales Value vs Forecast, Plan, Last Year (A)	Enhancement	Template	New Name: Organization, Sales Value vs Plan, Last Year (A)
CM, ME, SO	Time, Sales Value vs Forecast, Plan, Last Year (A)	Enhancement	Template	New Name: Time, Sales Value vs Plan, Last Year (A)
CM, ME, SO	Product, Sales Value vs Forecast, Plan, Last Year (A)	Enhancement	Template	New Name: Product, Sales Value vs Plan, Last Year (A)

Workbench(s)	Object	Defect #	Object Type	Change
CM, ME, SO	Time, Sales Value, vs Forecast, Plan, Last Year (A)	Enhancement	Template	New Name: Time, Sales Value, vs Plan, Last Year (A)
All	Avg Profit on Sales (LY)	Enhancement	Filter	Moved from Profit (Actual) to Profit (Last Year) folder
All	* All Reports and Templates	Defect 000321061		Reports and Template formats were modified to remove graph subtitles, remove x/y titles, add in %REPORTNAME% for graph title, and update totals to include columns (New Standards)