Retek® Extract Transform and Load™

10.3.4

Release Notes

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Customer Support

Customer Support hours:

Customer Support is available 7x24x365 via e-mail, phone, and Web access.

Depending on the Support option chosen by a particular client (Standard, Plus, or Premium), the times that certain services are delivered may be restricted. Severity 1 (Critical) issues are addressed on a 7x24 basis and receive continuous attention until resolved, for all clients on active maintenance.

Contact Method	Contact Information
Internet (ROCS)	www.retek.com/support Retek's secure client Web site to update and view issues
E-mail	support@retek.com
Phone	US & Canada: 1-800-61-RETEK (1-800-617-3835) World: +1 612-587-5800 EMEA: 011 44 1223 703 444 Asia Pacific: 61 425 792 927
Mail	Retek Customer Support Retek on the Mall 950 Nicollet Mall Minneapolis, MN 55403

When contacting Customer Support, please provide:

- Product version and program/module name.

- Functional and technical description of the problem (include business impact).

- Detailed step by step instructions to recreate.

- Exact error message received.

- Screen shots of each step you take.

RETL 10.3.4 Overview

This is a patch release that addresses a bug in which SQL*Loader sporadically hangs in certain flows. If a flow contains 'allowedrejects' in import and contains both import and orawrite operators in the same flow, the issue might impact flow processing. See changes since 10.3.4 below for full bug details.

As always, product groups should verify their products work with RETL 10.3.4 before recommending client upgrades.

Please note that this is NOT an issue with RETL 11.1 GA.

Compatibility Matrix

The following represents OS/Database combinations that are supported and have been certified to work properly :

OS	Version	Arch	DB	Version	Executable
AIX	4.3.3	64	Oracle	9.2	rfx.a433.o9x.64
AIX	4.3.3	64	Oracle	9.0.1	rfx.a433.o9x.64
AIX	4.3.3	32	DB2	7.2.3	rfx.a433.d723.32
AIX	4.3.3	32	Oracle	8.1.7	rfx.a433.o817.32
AIX	4.3.3	32	Tera	2r4.2	rfx.a433.t241.32
AIX	4.3.3	32	None	None	rfx.a433.nodb.32
AIX	4.3.3	64	None	None	rfx.a433.nodb.64
AIX	5.1	64	Oracle	9.2	rfx.a51.o9x.64
HP-UX	11i	64	None	None	rfx.h11i.nodb.64
HP-UX	11i	32	None	None	rfx.h11i.nodb.32
HP-UX	11i	64	Oracle	9.2	rfx.h11i.o9x.64
HP-UX	11i	64	Oracle	9.0.1	rfx.h11i.o9x.64
HP-UX	11i	32	Oracle	8.1.7	rfx.h11i.o817.32
HP-UX	11i	32	Tera	2r4.2	rfx.h11i.t241.32
Solaris	8	32	None	None	rfx.s58.nodb.32
Solaris	8	64	None	None	rfx.s58.nodb.64
Solaris	8	32	DB2	7.2.3	rfx.s58.d723.32
Solaris	8	64	Oracle	9.2	rfx.s58.o9x.64
Solaris	8	64	Oracle	9.0.1	rfx.s58.o9x.64
Solaris	8	32	Oracle	9.0.1	rfx.s58.o9x.32
Solaris	8	32	Oracle	8.1.7	rfx.s58.o817.32
Solaris	8	32	Tera	2r4.2	rfx.s58.t241.32

> **Note:** Any entries that have 'none' listed as the database means that the corresponding executable can run standalone. For example, if RETL is to be used standalone on Solaris 8 32bit, the 'rfx.s58.nodb.32' binary would be used.

Installation

You can get the download from " http://insideretek/development/retl.asp". This release is broken up into the builds for different platforms for convenience -- one for each of HP-UX, SunOS and AIX. These have an .h11i, .s58, and .a433 extension respectively.

You can check the contents of the package and verify that it is valid by executing the following command:

```
gunzip –c <package.tar.gz> | tar -tf -
```

To extract the package use the following command:

```
gunzip –c <package.tar.gz> | tar -xf -
```

This creates the directory and the package contents (see below).

Package Contents

The following is a brief description of the contents of retl.10.3.4.tar.gz:

bin/

Includes executables required for running retl on different platforms.

File	Description
gsort.SunOS	gsort for SunOS
rfx.s58.o817.32	32bit RETL built for Sun Solaris 8, Oracle 8.1.7
rfx.s58.o9x.32	32bit RETL built for Sun Solaris 8, Oracle 9.x
rfx.s58.o9x.64	64bit RETL built for Sun Solaris 8, Oracle 9.x
rfx.s58.t421.32	32bit RETL built for Sun Solaris 8, TeraData 2v4.1
rfx.s58.d723.32	32bit RETL built for Sun Solaris 8, DB2 v 7.2.3
gsort.HP-UX	gsort for HP-UX
rfx.h11i.o817.32	32bit RETL built for HP-UX 11i, Oracle 8.1.7
rfx.h11i.o9x.64	64bit RETL built for HP-UX 11i, Oracle 9.x
rfx.h11i.t421.32	32bit RETL built for HP-UX 11i, TeraData 2v4.1
gsort.AIX	gsort for AIX
rfx.a51.o9x.64	64bit RETL built for AIX 5.1, Oracle 9.x
rfx.a433.o817.32	32bit RETL built for AIX 4.3.3, Oracle 8.1.7
rfx.a433.o9x.64	64bit RETL built for AIX 4.3.3, Oracle 9.x
rfx.a433.t421.32	32bit RETL built for AIX 4.3.3, TeraData 2v4.1

File	Description
rfx.a433.d723.32	32bit RETL built for AIX 4.3.3, DB2 v 7.2.3
verify_retl	The RETL verification tool
README.verify_retl	The README for verify_retl

Note that the Oracle 9.x builds were tested (but not certified) on both 9.0.1 and 9.2 Oracle datbases. The AIX 4.3.3 builds were tested under AIX 5.1 and work except for the 64 bit version which is why we have a build for that version. See the compatibility matrix for more information.

lib/

These are dynamically linked libraries that are needed in order to run RETL.

File	Description
libKCC-eh-ts.sl.hpux.32.kcc	32 bit KCC library for HP-UX 11i

docs/

This directory contains the documentation associated with RETL.

File	Description
Retl-1033-rn.txt	This document file.

etc/

This directory contains the documentation associated with RETL.

File	Description
rfx.conf	The default retl configuration file.

samples/

This directory contains the samples packaged with RETL.

See the README in the samples/ directory for more information about the samples packaged with RETL. These are the samples that are run after the install, by verify_retl

Changes

Changes since 10.3.3

Fixed #731

When the import operator reaches a maximum number of allowed rejects, it causes RETL to abort, but this abending didn't trigger orawrite's cleanup method to remove any SQL*Loader processes. This occasionally resulted in SQL*Loader processes being left around waiting for data to be written to the named pipe. The fix was to make sure that when an exception is thrown, orawrite will call a cleanup method to remove any processes it has created.

Known Issues

- Sortfunnel may not maintain sorted order when input values are null. This has been known to affect any flows that try to sortfunnel records that contain null int fields. The workaround is to collect and then sort instead of using sortfunnel when this problem is encountered.

- Translation from number to string for large arbitrary precision floating point numbers.

- When specifying fields in filter operator, they must all be uppercase or they will not be recognized.

- The dropedit of the diff operator does not work properly.

Bug #171

RFX leaves some temporary files in tmp directories. These directories should be purged on a regular basis until this issue is resolved.

Bug #182

- Properties are not properly validated.

- There were more than 60% of property names and values that were passed to RETL without basic error checking. This means current RETL applications may not function properly or may output wrong data. It is hard debug. Here are a few examples:

1   If you set up a Boolean property value to "true" or "TRUE", RETL will have true for the value; otherwise it will have false value no matter what. If you spell "TRUe", RETL will get false.

2   If you spell a wrong value for mode property in database operators, RETL will use a default value ("append" in orawrite and "insert" in db2write). The same is true for method and createtable properties in database operators and in many cases in other operators

3   If you set up the "desc" value for order property in sort operator, RETL will sort by desc order; otherwise it will sort by asc order no matter what. If you type "dess", it will sort by asc. There is the same problem in sortfunnel.

4   If you don't spell the property names correctly, RETL may use default or has no function for the properties without any error message.

5   If you specify a removedup property in sort operator no matter what value you set up, RETL will treat it as true and remove duplicated record. It does what it is said in Programmer's Guide, but it should allow users to change it to false.

6   Core dump or get rfx unexpected errors. In the RETL 10.3 release, we checked all property names and possible values to make sure they match what is in the Programmer's Guide and generate WARNING messages if they do not match. We added many other error checking and warning messages for other cases in this release. We recommended that you fix all WARNINGS given by RETL 10.3. Future versions of RETL may trigger an error it these conditions are not fixed.