

WhereScape®

WhereScape® RED

Release Notes

Version 8.4.2.0 | January 2020

Table of Contents

WhereScape RED 8.4.2.0 Release Update	3
Upgrading to version 8.4.2.0	3
Detailed Changes from Previous Versions.....	3
Significant New Features and Improvements in this Release	4
Important Messages when Upgrading from Earlier Versions	5
Important Messages when upgrading from 8.2.1.1 or earlier.....	5
Important Messages when upgrading from 8.1.1.0 or earlier.....	5
Important Messages when upgrading from 8.0.1.0 or earlier.....	6
Important Messages when upgrading from 6.9.1.0 or earlier.....	6
Important Messages when upgrading from 6.8.7.0 or earlier.....	6
Detailed Changes in RED 8.4.2.0	7

WhereScape RED 8.4.2.0 Release Update

WhereScape is pleased to announce that WhereScape RED 8.4.2.0 is now available.

Upgrading to version 8.4.2.0

Login to <https://www.wherescape.com> and download RED 8.4.2.0 from the downloads page in the **Support** section.

Detailed Changes from Previous Versions

Details of changes made in previous versions of RED are available on the <https://www.wherescape.com/support/red-release-notes/> page in the **Support** section.

Kind Regards,
WhereScape RED Team

Significant New Features and Improvements in this Release

The following improvements have been added since Version 8.4.1.0:

- RED includes an improved display data feature for view objects.
- Improved handling of update templates for custom database targets when using "display procedure build options" menu option for Datastore objects.
- Enhanced database functions maintenance screen resulting in increased product quality.
- Improved handling of quoted strings used in Index Creation increasing performance and providing a better user experience.
- Better handling of logins for customers using case-sensitive RED Metadata Repositories.

Important Messages when Upgrading from Earlier Versions

When **Upgrading** from previous versions of RED, it is necessary to update each RED metadata repository to complete the upgrade. This is done by completing a **validate and recompile of all metadata procedures** in WhereScape Administrator.

Notes:

If upgrading from a previous version:

1. Please ensure you also upgrade the WhereScape scheduler at the same time. Details for this process are outlined in the WhereScape RED Installation Guide—Upgrading WhereScape RED and Scheduler Installation and Configuration sections.
2. Please review and action all the previous version-specific **Important Messages** below, that are relevant for your RED Upgrade.

Important Messages when upgrading from 8.2.1.1 or earlier

- A new metadata service attribute for the DSN architecture has been added in the RED 8.3.1.0 release. Any existing templates that include authentication to the RED repository must be updated to include this attribute, if the RED repository is migrated to a 64 bit ODBC DSN (if the attribute is not defined, then a 32-bit architecture is assumed).
For example: [WslMetadataServiceClient.Architecture]::_64bit
- The **Unix** and **Linux Scheduler scripts for Oracle, Teradata** have been altered and need to be applied manually.

Important Messages when upgrading from 8.1.1.0 or earlier

- Teradata customers upgrading from RED versions prior to RED 8.0.1.0 please be aware that later versions of Setup Administrator have functionality to test the RED metadata tables' primary indexes. When sub-optimal primary indexes are detected Setup Administrator creates a copy of the affected table with the recommended primary index, copies the data to the new table and finally removes the old table. Please note that sufficient free space in the metadata database is required to temporarily duplicate the largest metadata table that requires migration. Also any custom statistics on these tables will need to be reapplied.
- WhereScape from the RED 8.2.1.1 version have added certification for the following metadata and target databases:
 - Oracle 12C Release 2
 - Teradata 16.20
 - Microsoft SQL Server 2017
- Cube and Cube Virtual objects are to be deprecated in a subsequent release. Cube objects must be migrated to OLAP Cube objects.
- Microsoft is deprecating support for their Microsoft OLE Driver for Oracle. WhereScape recommends that customers currently using this software migrate to the Oracle OLE Driver.
- WhereScape recommends that you use an Oracle or SQL Server metadata repository and the Windows Scheduler, if you wish to use Custom database targets.
- WhereScape wish to advise customers that work is underway to migrate RED to a 64-bit application over the next 12 months. While the transition is planned to minimize the impact to customers, there may be a requirement to transition to 64-bit ODBC data sources, as part for the upgrade path for this future release of WhereScape RED. No changes are required in the interim. More details will be made available closer to the time the work is completed.

Important Messages when upgrading from 8.0.1.0 or earlier

- SQL Server customers taking advantage of the multiple database support feature are recommended to apply three part naming in their references to SQL Server tables. For example, in a custom procedure please refer to a data warehouse table using the format `<database name>.<schema name>.<table name>`. This will offset the impact of different users or machines having different default databases set.
- Customers using custom database targets to support RedShift or Snowflake are advised to contact their WhereScape representative for information on taking advantage of RED's enhanced custom database support features.
- The Data Vault hash key functions for Teradata and Oracle repositories have been changed in the templates (wsl_teradata_utility_dv and wsl_oracle_utility_dv). Data Vault customers running on Teradata or Oracle who were using these templates from the RED 6.9.1.0 release are advised to retain that version of the template, unless they migrate any key generated using the previous hash key function.
- The Windows and the UNIX/Linux generated Load and Export scripts for Teradata have been updated to use the new environment variables for identifying the TDPID, the user name and the password to connect to the metadata repository, the target database and the source database for Loads and Exports. Please refer to the section Script Environment Variables of the WhereScape RED User Guide for more information.

Important Messages when upgrading from 6.9.1.0 or earlier

- The **Linux Scheduler scripts for Oracle, Teradata and DB2** have been altered and will need to be applied manually.

Important Messages when upgrading from 6.8.7.0 or earlier

- In RED, File and Script-based loads from Windows connections creates a format file for the BULK INSERT operation in the Work Directory of the Windows Connection. This only applies when loading into an SQL Server target. This directory must be accessible to both the machine running SQL Server and the machine running the WhereScape RED Scheduler. Unless these are always the same machine, a UNC path or mapped network path will be required.
- **Legacy hub, link and satellite** objects, created in RED 6.8.7.0 or earlier are still supported in subsequent releases. However, they do not utilize the Data Vault enhancements introduced in release 6.9.1.0.

Detailed Changes in RED 8.4.2.0

The following changes have been implemented since Version 8.4.1.0.

Note

Details of changes made in previous versions of RED are available on the <https://www.wherescape.com/support/red-release-notes/> page in the **Support** section.

Database	Jira Ticket	Description
Improvements		
Custom	RED-10621	The database name is now included when substituting \$OBJECT\$ in the display data SQL for a view if specified in the Connection Properties for the Target.
Issues		
Common	RED-10310	Resolved the issue when using the "display procedure build options" menu option for a datastore object results in the association with its update template to be lost for custom database targets.
Common	RED-10374	Resolved possible crash from the database functions maintenance screen.
Common	RED-10446	The cancellation of the rebuild workflow of an update script is no longer resetting the script type to PowerShell (32-bit) Script.
Common	RED-10524	Resolved issue where in some situations clicking cancel during procedure build workflow resulted in an empty procedure object.
Oracle	RED-10554	The Index creation issue where quoted strings in the Index Filter Predicate field were not being escaped in the metadata, has been resolved.
Common	RED-10644	The issue that prevented login for some users on case-sensitive RED Metadata Repositories is resolved.
Common	RED-10700	RED is no longer certified for use on a Windows 7 and Windows Server 2008R2 operating systems.

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