

WhereScape®

WhereScape® RED

Release Notes

Version 8.5.1.0 | April 2020

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WhereScape RED 8.5.1.0 Release Update

WhereScape is pleased to announce that WhereScape RED 8.5.1.0 is now available.

Upgrading to version 8.5.1.0

Login to <https://www.wherescape.com> and download RED 8.5.1.0 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 8.4.2.0:

- Support for Microsoft SQL Server 2019.
- Data Vault 2.0 automation workflows now support Multi-Active Satellites.
- Improved Load Table metadata initialization for 3D Export to RED.
- Red Command Line Interface improvements:
 - Enhanced RedCli versioning for Import, Modify, and Delete actions.
 - Improved RedCli application deployment.
 - Set Update Routine Default Templates on Connections with RedCli.
 - Enhanced DevOps capabilities - RedCli now performs full metadata initialization after Metadata Repository creation.
- RED has dropped official support for Microsoft SQL Server 2008 and Microsoft SQL Server 2008 R2 as a RED Metadata Platform in 8.5.1.0.

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 8.5.1.0

The following changes have been implemented since Version 8.4.2.0.

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		
Common	RED-9718	Support for creating Data Vault 2.0 Multi-Active Satellites had been added Data Vault 2.0 workflow in RED.
Common	RED-10678	Enhanced RedCli to automatically version objects for Import/Modify/Delete operations.
Common	RED-10768	RED 8.5.1.0 adds MS SQL Server 2019 support.
Issues		
Common	RED-10645	Resolved a RedCli application deployment issue where Data Vault Stage tables were missing Hash Key source metadata after deployment.
Common	RED-10775	3D Export to RED now initializes load table metadata in the same way the RED UI would based on the associated source and target connections.
Common	RED-10841	The RED Metadata Repository platform is no longer officially supported on SQL Server 2008 and SQL Server 2008 R2. As of June 2019, Microsoft ended support for SQL Server 2008 and SQL Server 2008 R2 platforms.

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