WhereScape® RED

Release Notes

Version 8.6.6.0 | November 2021

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WhereScape RED 8.6.6.0 Release Update

WhereScape is pleased to announce that WhereScape RED 8.6.6.0 is now available.

Upgrading to version 8.6.6.0

Login to **https://www.wherescape.com** and download RED 8.6.6.0 from the downloads page in the **Support** section.

Kind Regards,

WhereScape RED Team

Significant New Features and Improvements in this Release

This release of WhereScape RED continues to extend the new Extensible Source Connection features providing more ways to connect to and ingest data from any source type. RED 8.6.6.0 focuses specifically on improvements to the Scripted Browse Workflow and Configurable UI's in preparation for Source Enablement Packs that will be released in the near future.

Extensible Source Connections:

- When browsing Extensible Source Connections, icons can be customized for every node in the browser tree allowing for visual differentiation between source types and data types.
- This release ships with several new out-of-the-box icons that can enhance new and existing Source Enablement Packs.
- Columns can now be added to Load tables individually from the browser tree of Extensible Source Connections.
- Object descriptions are now carried across to the RED Load Table Description field
- Display of column detail in the browser tree has been improved to support a wider range of data-types.

3D Integration:

You can now specify the Group By clause for the Data Warehouse Query for tables in 3D and have it exported to RED

Other Improvements:

This release also includes a number of accumulated customer fixes which can be found in the Detailed Changes section.

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 Message when upgrading from 8.6.1.2

- You must reenter any encrypted field values in your existing Extensible Source Connections when using this release for the first time.

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 8.6.6.0

The following changes have been implemented since 8.6.6.0

Database	Jira Ticket	Description
Improvements		
Common	**RED-7706**	You can now reference object properties outside the context of the current object in templates using {{ objectsByName['<objectName>'] }}
Common	**RED-10882**	Resolved issue where Group By clause was not being carried across from 3D Export to RED
Common	**RED-11146**	Scripted Browse Workflow JSON field attribute "transformationType" value is now sanitized before adding to the column metadata for Load tables.
Common	**RED-11148**	Enabled full control of icons used in the Source Browser tree for Extensible Source Connections
Common	**RED-11149**	RED includes additional icons for Extensible Source Connections
Issues		
Common	**RED-10565**	When building Jobs from RED Builder window menus the dependencies are now managed automatically when making changes to the generated task set
Common	**RED-10956**	Fixed display issue where Table Source Mappings could appear under Jobs in the left-hand tree view
Common	**RED-11080**	Loads from Extensible Source Connections have WSL_SRCCFG_<variable> replacements (token and env vars) for scripts regardless of the storage target of the Load Table, previously this was failing for regular SQL Server targets
Common	**RED-11116**	Fixed UI issue for source mappings on Satellite objects.
Common	**RED-11140**	You can now pull in individual columns from the browser tree of Extensible Source Connections.
Common	**RED-11143**	Table description text from Scripted Browse Workflow is now carried across to the Load Table.
Common	**RED-11147**	Improved the display of datatypes for the Scripted Browse Workflow
Common	**RED-11192**	Fixed UI issue in RED when creating SQL Block objects on Oracle and Teradata Metadata Repositories.
Common	**RED-11205**	Fixed issue in Index templates where the indexed table object metadata was not pre-fetched by the template engine.

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