WhereScape®

WhereScape® 3D

Release Notes

Version 8.6.7.0 | May 2022

Table of Contents

WhereScape 3D Version 8.6.7.0 Release Update

WhereScape is pleased to announce that the WhereScape 3D Version 8.6.7.0 is now available. The Version 8.6.7.0 release notes document details the changes since the last release.

Upgrading to Version 8.6.7.0

To upgrade to Version 8.6.7.0, login to **www.wherescape.com** to download 3D from the downloads page in the Support section.

Detailed Changes from Previous Versions

Details of changes made in previous versions of 3D are available on the **https://www1.wherescape.com/support/software-downloads-documentation/wherescape-3d/previous-versions/** page in the Support section.

Kind Regards,

WhereScape 3D Team

Version 8.6.7.0

Significant Features in Version 8.6.7.0

The following enhancements have been made since Version 8.6.7.0.

- Updated user interface
- New search and filters options
- MCR management
- Template management
- Pebble extensions
- DevOps improvements
- Performance of MCRs

Updated User Interface

Various UI improvements have been made to the Welcome screen, workflow pane, repositories pane and profiling charts to modernise the look and feel of WhereScape 3D and improve usability.

New Search and Filter Features

Dialogues in all areas of 3D that typically contain large quantities of information have been updated with search and filter functionality. This will improve user experience and efficiency when working with large repositories.

MCR Management

The following usability improvements have been made to the model conversion manager:

Conversion sets can now be organised into groups and reordered for efficiency during MCR development.

Developers can now easily find conversion sets of interest using improved search functionality.

Usage reports on the model conversion manager now detail where in the design process each rule is used making it easier to manage a large number of custom conversion sets.

Template Management

The list of templates displayed on the template manager can now be sorted and filtered for enhanced usability during template development.

Pebble Extensions

There have been several extensions to the Pebble templating capabilities within WhereScape 3D, most notably with respect to groups. It is now possible to access the tables within a group using templates. In addition, new variables are now available allowing user and environment information to be accessed within templates. These extensions will be particularly useful when naming groups.

DevOps Improvements

Further DevOps capabilities have been added to 3D 8.6.7.0 allowing models to be merged and reports to be generated via the command line. These additions allow more processes to be integrated with DevOps tools and expand the capabilities of the configurable workflows previously available within WhereScape 3D. It is now possible to identify unchanged entities since previous model versions and create applications for RED Export containing only entities that have changed, resulting in faster deployments to WhereScape RED.

Performance of MCRs

As part of an ongoing task to improve the overall performance of WhereScape 3D, the execution speed of several model conversion rules has been increased. These improvements will be particularly noticeable when working with remote repositories. The model conversion rules affected include those related to manipulating groups and Indexes.

- Split relationships
- Rename group
- Delete group
- Remove entities from group
- Create Group
- Assign entities to group
- Create index
- Delete indexes
- Add Artificial Key

Note
When upgrading a repository to 3D version 8.6.7.0 all definitions from the user directory of the user performing the upgrade will be imported into the metadata database. Any other definitions will need to be manually imported post-upgrade.

Detailed list of changes in Version 8.6.7.0

The following changes have been implemented since Version 8.6.7.0

Jira Number	Description
New Features	
BLUE-2818	Included the ability to run reports via the command line.
BLUE-2819	Included the ability to merge models via the command line.
BLUE-2820	Included the ability to remove equal entities from the target model when merging models.
BLUE-2821	It is now possible to access the tables within a group using templates. In addition, new variables are now available allowing user and environment information to be accessed within templates.
BLUE-2824	Ability to search, filter and reorder templates on the template manager for efficient management of templates.
BLUE-2825	Ability to use custom icon sets within WhereScape 3D repositories.
BLUE-2826	Added a model conversion set usage report for a quick overview of where in the design process each conversion set is used.
BLUE-2827	Added support for grouping conversion sets and searching the list of conversion sets.
BLUE-2829	New search and filter feature to assist in finding columns of interest on the column properties pane.
BLUE-2830	New search bar for finding attributes on the source mappings tab.
BLUR-2831	Search bars added to all repository tree selection panes.
Improvements	
BLUE-2699	Search and filter options added to the Bridge table wizard.
BLUE-2428	Model conversion property descriptions displayed without being cut-off.
BLUE-2536	Filter options included on the merge models dialogue.
BLUE-2788	The create group model conversion rule correctly handles Pebble syntax.
BLUE-2822	Added the ability to copy discovery methods, profiling methods, data type mappings and database functions from one repository to another.
BLUE-2823	Search and filter options added to the PIT table wizard.
BLUE-2828	Improved column type search functionality.
BLUE-2833	Modern formatting of tool tips throughout WhereScape 3D.
BLUE-2834	Updated formatting of table cards displayed in diagrams.
BLUE-2835	Browse scripts can now be executed by right clicking on a source model or using the source category 'Discover' workflow button.
BLUE-2836	Updated formatting of welcome page and workflow buttons.
BLUE-2874	The following environment variables are set during the execution of browse and workflow scripts: WSL_BINDIR, WSL_WORKDIR, WSL_TASK_NAME, WSL_SEQUENCE. References to scripts stored in 3D's metadata can be made in browse and workflow scripts using the token $WSL_SCRIPT_<script_name>_CODE$.
BLUE-2883	Script commands now correctly handle double quotes.
BLUE-2858	Browse scripts can now be executed by right clicking on a source model or using the source category 'Discover' workflow button.
Bug Fix	
BLUE-2873	The split entities per source entity model conversion rule now correctly handles table level comments and extended properties.

Jira Number	Description
BLUE-2872	The split entities per source mapping set model conversion rule now correctly handles table level comments.
BLUE-2871	The split entities model conversion rule now correctly handles table level comments and extended properties.
BLUE-2870	The 'ws3d_grv - Create satellites' conversion set is now correctly executed when saving a copy of the model conversion rules via the generate data vault wizard.
BLUE-2863	Custom workflow sets can be renamed and individual buttons deleted without error.
BLUE-2857	The undo option on the UI configuration manager now works as expected.
BLUE-2792	The split entities (advanced) model conversion rule now correctly handles table level comments and extended properties.
BLUE-2888	Fixed issue with deleting data type mappings.
BLUE-2887	Fixed issue with editing template meta tags.
BLUE-2886	The table types available in the discovery filter options are now correctly updated based on the discovery method being used.
BLUE-2885	Fixed issue with blank column properties screen being displayed in some cases.

Previous Release Significant Features

Significant Features in 8.6.6

- Enhanced discovery methods
- Validation templates
- Design automation improvements
- Comparing and merging of configurations
- Performance improvements

Significant Features in 8.6.5

- Source API connectivity & Configurable UI
- Configurable Workflows
- Expanded DevOps Capabilities.
- All definitions migrated to the Metadata Database

Significant Features in 8.6.3.0

- Snowflake discovery performance improved
- New Model Conversion Rules
  - Change entity properties (setting visibility flag)
- A number of stability improvements, detailed in the table below

Significant Features in 8.6.2.0

- Model Conversion Rule Editor
  - Ability to Stop a rule set at a specified point
  - New Validation Panel
- Model Conversion Rule Improvements
  - Group Management: Create, Delete, Rename, Assign / Remove Entities
  - Populate Entity Queries - now source mapping aware
  - Add Data Transformation - now source mapping aware
  - Change Attribute Properties - now supports hiding / unhiding
- Business Vault Design
  - New Bridge Wizard
  - New PIT Wizard
  - Model Conversion Updates
  - Satellite current and history view query improvements
- PostgreSQL and Java Support libraries update
- New installations use PostgreSQL 12

Significant Features in 8.5.1.0

- 3D has included support for the Business Vault category.

- This version allows you to create Point in Time (PIT) and Bridge tables under Data Vault and Business Vault models.

- Bridge table wizard is accessible in the Business Vault category for creating a Bridge table with a single link and related hubs.

- 3D now supports Microsoft SQL Server 2019.

- This version includes the 'Multi-Active Satellite Natural key' and 'Multi-Active Satellite Sequence key' attributes types for RED export.

Significant Features in 8.4.2.0

- Table with multiple source connections

- Hidden Objects in Tree View

- Inaccuracy in the display overview when display scaling is used

- Memory leak of multiple track-back diagrams when closing them

Significant Features in 8.4.1.0

- Enhanced Data Vault generation workflows

- Advanced copy performance enhancements

- Added Snowflake and RedShift database support

- Enhanced model conversion criteria matching

- Other enhancements
    - Entity type robots
    - New attribute type colors
    - RED category

Significant Features in 8.3.1.0 and 8.3.1.1

- A new installer with an option to install metadata server

- The metadata repository has transitioned from Apache Derby to the WhereScape Metadata Server

- A new dialog has been introduced to migrate from 32-bit ODBC DSNs to 64-bit ODBC DSNs

- There is support for native resolution scaling

- WhereScape 3D now encrypts all profiling data that is stored in the metadata repository

- Template editor preview enables testing against other areas than the current entity. The previewer has also been added to the model conversion editor

- DevOps changes
    - New DevOps command line arguments enable you to create, restore, link and backup a repository
    - New DevOps command line option enables you to advanced copy a model with model conversions
    - New DevOps command line option enables you to create the XML for export to RED

- HTML Help enhancements
    - Pebble syntax help information has been added to the HTML help

Significant Features in 8.2.1.1

- Introduced source mapping sets for multi-source

- Reinvigorate user guide with HTML5

Significant Features in 8.1.1.0

- Improvements to model conversions
    - o Customizable matching in model conversion rules
    - o Use profiling for matching criteria
    - o Run multiple model conversions sequentially
    - o Customizable RDBMS filter
    - o WhereScape provided model conversions are read only
    - o Improved renaming support
    - o Entity type synchronization
- New template features
    - o Variable type conversions
    - o String support functions
- Improved the interface for source mappings

Significant Features 8.0.1.0

The following significant new features have been added since Version 2.10.0.0

- Improved DDL template support
- Added template support for queries

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