WhereScape® 3D

Release Notes

Version 9.0.5.0 | November 2024

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WhereScape 3D Version 9.0.5.0 Release Update

WhereScape is pleased to announce that the WhereScape 3D Version 9.0.5.0 is now available. The Version 9.0.5.0 release notes document, details the changes since the last release.

Upgrading to Version 9.0.5.0

To upgrade to Version 9.0.5.0, 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 9.0.5.0

Significant Features in Version 9.0.5.0

The following enhancements have been made since Version 9.0.4.0.

- Enhanced Documentation
- Updated Conversion Sets

Enhanced Documentation

The user guide is now hosted online making it more accessible and improving the user experience.

Updated Conversion Sets

Many of the conversion sets packaged with 3D have been updated. The default conversion sets packaged with WhereScape 3D are now even more flexible and support a wider range of use cases.

Important notes when upgrading

In order to improve WhereScape 3D's support for satellite current views; a new entity type should be added to the business vault category, after a repository upgrade. This new entity type allows for query templates to be efficiently assigned to Satellite current views during the model conversion process. The new configuration also allows for straightforward handling of naming conventions.

The required entity type configurations are as follows:

Detailed list of changes in Version 9.0.5.0

The following changes have been implemented since Version 9.0.4.0

Jira Number	Description
New Features	
BLUE-3194	New and enhanced online documentation available for WhereScape 3D.
Improvements	
BLUE-3197	Enhanced Pebble template capabilities when using conversion properties of type 'Pebble template'.
BLUE-3123	Information related to the discovery and profiling methods used is now included in the model import and export process.
BLUE-3178	The category settings import and export process now includes the entity type query template and DW query template configurations.
BLUE-3229	All Queries and DW Queries are now included in the auto generated documentation regardless of whether data transformations have a source set defined.
BLUE-3223	Data transformations with no source set defined can now be included in the auto generated Microsoft Word documentation.
BLUE-3176	UX enhancements to the Create Conversion set workflow.
BLUE-3175	The row count profiling metric is now available in all profiling results and Pebble template profiling outputs.
BLUE-3174	Enhanced error reporting for the advanced copy CLI functionality.
BLUE-3172	Improved export to RED process when load table UI configurations need to be deployed.
BLUE-3019	The PostgreSQL tools packaged with WhereScape 3D have been upgraded to version 16.
BLUE-3090	Improved error handling in the 'ws3d_rvls - Housekeeping' conversion set when users forget to add entity level source mappings.
BLUE-3141	Consistent naming of PIT tables regardless of the case conversion settings used.
BLUE-3106	The standard Pebble templates packaged with WhereScape 3D have been updated to provide support for more complex join conditions.
BLUE-2897	Updated 'ws3d_rvls - Create loads' conversion set to support multiple data vault design attributes referencing the same source column.
BLUE-3113	Stage table attributes are now consistently ordered by the 'ws3d_rvls - Housekeeping' conversion set.
BLUE-3062	The 'WhereScape RED Export Preparation' conversion set has been updated to remove a wider range of invalid characters.
BLUE-3034	Improved readability of Pebble templates contained within the standard conversion sets packaged with WhereScape 3D.
BLUE-3116	Improved handling of WHERE clauses in the 'ws3d_query_dw' Pebble template packaged with WhereScape 3D.

Jira Number	Description
BLUE-3173	Improved handling of SQL HAVING clauses in the ws3d_rvls - Create initial stages model conversion set.
BLUE-3198	Duplicate data type mapping names have been adjusted.
Bug Fixes	
BLUE-3230	Fixed an issue creating snapshots when executing model conversion sets.
BLUE-3182	Fixed an issue with the create data vault design wizard.
BLUE-3136	Fixed an issue adding an attribute on the source mapping tab that has an attribute type which is not present in the category settings of the parent entity.
BLUE-3200	Fixed an issue with source system discovery when certain repository level discovery settings were defined.
BLUE-3137	The 'ws3d_query_dv_sat_curr_view' template is now correctly assigned to satellite current views in the 'ws3d_bvls - Prep Model' conversion set.
BLUE-3169	Fixed an issue displaying ER diagrams when using custom entity icons.
BLUE-3168	Fixed an issue viewing entity profiling metric results.

Previous Release Significant Features

Significant Features in 9.0.4.0

- Microsoft Purview Integration.
- Data Profiling Enhancements.

Significant Features in 9.0.3.0

- Conversion properties.
- Pebble templating updates.
- Performance improvements.
- DevOps enhancements.

Significant Features in 9.0.2.1

- Migrated to LibCurl version 8.4.

Significant Features in 9.0.2.0

- Performance Improvements.
- Manipulating attribute properties.
- DevOps Enhancements.

Significant Features in 9.0.1.1

- Load table property enhancements.
- Improve bridge table creation wizard.

Significant Features in 8.6.9.1

- WhereScape 3D can now export models to WhereScape RED version 10.

Significant Features in 8.6.9

- Extensible source connections enhancements.
- Performance improvements.
- Set load table properties model conversion rule.
- Model conversion rule enhancements.

Significant Features in 8.6.8

- Extensible source connections enhancements.
- Pebble templating extensions.
- Additional source system discovery capabilities.

Significant Features in 8.6.7

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

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

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' attribute 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

       o   New DevOps command line option enables you to advanced copy a model with model conversions

       o   New DevOps command line option enables you to create the XML for export to RED

- HTML Help enhancements
    - o   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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