WhereScape® 3D

Release Notes

Version 9.0.2.0 | October 2023

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WhereScape 3D Version 9.0.2.0 Release Update

WhereScape is pleased to announce that the WhereScape 3D Version 9.0.2.0 is now available. The Version 9.0.2.0 release notes document details the changes since the last release.

Upgrading to Version 9.0.2.0

To upgrade to Version 9.0.2.0, 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 9.0.2.0

Significant Features in Version 9.0.2.0

The following enhancements have been made since Version 9.0.1.1.

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

Performance improvements

WhereScape 3D version 9.0.2.0 offers further improvements to the execution speeds of model conversion rules. Internal performance testing is reporting up to eighty percent reduction in execution time for the most heavily used rules.

Manipulating attribute properties

Enhanced model conversion rules allow automated workflows to align attribute properties with source models. For example data types in a data vault design can now be automatically updated to align with data types in the source system.

DevOps Enhancements

More WhereScape 3D command line options allow for a greater variety of workflows to be automated and more integrations to be developed. Models can now be created and deleted using the WhereScape 3D CLI, which will enhance our integrations with Git as well as other tools.

Detailed list of changes in Version 9.0.2.0

The following changes have been implemented since Version 9.0.1.1

Jira Number	Description
New Feature	
BLUE-2994	The modelimport CLI feature can now be used to create new model versions as well as importing into existing model versions.
BLUE-3054	A new CLI option to apply conversion sets to existing models has been added.
BLUE-3053	A new CLI option for deleting model versions has been added.
Improvements	
BLUE-3060	Further improvements to the execution speed of model conversion rules, specifically the delete attributes model conversion rule.
BLUE-3056	User defined workflow sets can now be applied at a category and model level in addition to the version level.
BLUE-3057	Improved user experience when executing user defined workflow scripts.
BLUE-3055	The list of tables and groups contained within a model version can now be accessed in Pebble templates.
BLUE-3016	Pebble template support added to the change attribute properties model conversion rule.
BLUE-3039	Information about repositories and repository level documentation can now be accessed using Pebble templates.
BLUE-3078	column.order can be used in Pebble templates to access a columns order within a table. **Note** The WhereScape conversion sets for handling hash key extended properties now make use of this feature to ensure hash key columns are ordered as per the column order.
BLUE-3067	Model version information is now accessible from the create group and rename group model conversion rule templates.
BLUE-3059	Entity level matching criteria has been added to the apply data type mappings model conversion rule.
BLUE-3058	A 'Remove matched entity types' option has been added to the assign entity type model conversion rule.
BLUE-3075	Non-ASCII characters are now correctly handled by the conversion set import and export process.
BLUE-3040	The database type is now included in the import/export process for ODBC connections.
BLUE-3025	Confirmation prompts are displayed before deleting a conversion set.
Bug Fix	
BLUE-3079	Fixed an issue where load table properties were not initialized correctly in some cases.
BLUE-3082	Extended properties without a type defined can now be deleted using the delete entity extended properties and delete attribute extended properties model conversion rules.
BLUE-3077	Fixed an issue displaying the 'Display Data' screen within WhereScape 3D.
BLUE-3049	Configured load table properties and column properties are now included when entities are copied.
BLUE-3050	Configured column properties are now correctly handled by the split entities per source mapping set model conversion rule.
BLUE-3037	The Group filter and column types within discovery methods are now included when making a copy of a discovery method.

Jira Number	Description
BLUE-3033	Resolved issue with duplicate meta tags when importing templates via the CLI.
BLUE-3076	The RED Export XML no longer contains duplicate information for extensible connections.
BLUE-3072	Fixed an issue with the add data transformation model conversion rule matching criteria.
BLUE-3083	Fixed an issue where the conversion properties dialog was not displayed in some cases.

Previous Release Significant Features

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' 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
  - Customizable matching in model conversion rules
  - Use profiling for matching criteria
  - Run multiple model conversions sequentially
  - Customizable RDBMS filter
  - WhereScape provided model conversions are read only
  - Improved renaming support
  - Entity type synchronization
- New template features
  - Variable type conversions
  - 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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