

WhereScape®

WhereScape® 3D

Release Notes

Version 9.0.3.0 | June 2024

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WhereScape 3D Version 9.0.3.0 Release Update

WhereScape is pleased to announce that the WhereScape 3D Version 9.0.3.0 is now available. The Version 9.0.3.0 release notes document details the changes since the last release.

Upgrading to Version 9.0.3.0

To upgrade to Version 9.0.3.0, 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 9.0.3.0

Significant Features in Version 9.0.3.0

The following enhancements have been made since Version 9.0.2.1.

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

Conversion properties

Conversion properties which help users manage configurations within model conversion rules can now be defined using Pebble templates. This enhancement makes conversion properties even more powerful and allows for individual model conversion rules to be executed multiple times in an iterative manner.

Pebble templating updates

Added the ability to access a list of dependent entities and attributes within Pebble templates. In addition a wider selection of information about categories and models is now accessible from within Pebble templates.

Performance improvements

There have been significant improvements to the execution speeds of all model conversion rules. These improvements will be particularly noticeable when working with remote repositories. Future versions of WhereScape 3D will continue to provide further performance improvements.

Configurable workflows

User defined workflows can now accommodate a larger range of use cases. Workflow buttons can now be configured to validate models and perform complex conversions with ease.

DevOps enhancements

Several improvements have been made to the WhereScape 3D CLI, which will enhance user experience when creating custom workflow scripts. These features provide an enhanced experience when creating repositories or manipulating repository configurations as part of DevOps processes.

Detailed list of changes in Version 9.0.3.0

The following changes have been implemented since Version 9.0.2.1

Jira Number	Description
New Feature	
BLUE-2932	Enhanced model conversion properties, including the ability to iterate through a single model conversion rule multiple times.
BLUE-3122	Added the ability to access a list of dependent entities and attributes within Pebble templates.
BLUE-3134	A wider selection of information about categories and models is now accessible from within Pebble templates.
Improvements	
BLUE-3131	Improvements to the execution speed of model conversion rules involving extended properties.
BLUE-3097	Additional settings added to configurable workflow buttons of type MCR.
BLUE-3132	Added support for executing Validation templates as part of a workflow button.
BLUE-3028	The change entity properties model conversion rule is now capable of manipulating entity level ratings.
BLUE-3117	The script language is now included when exporting scripts via the CLI.
BLUE-3135	Added the ability to update load table property merge operations in bulk.
BLUE-3095	The split entities per source mapping set model conversion rule now supports multiple transformations per column and transformations with no source set defined.
BLUE-3065	Added a new option to auto refresh the repository after user defined workflow scripts are executed.
BLUE-3120	Added an option to create a repository via the CLI with no categories present.
BLUE-3086	Improved error messages when exporting UI configurations via the CLI.
BLUE-3085	Unnecessary warning messages are no longer displayed when using the WhereScape 3D CLI.
BLUE-3110	Queries of up to 65344 characters in length can now be stored in the WhereScape 3D metadata.
BLUE-3043	Comments with a maximum length of 65,535 bytes can now be stored in the WhereScape 3D metadata.
BLUE-3111	Extended property values of up to 16,000 characters in length can now be stored in the WhereScape 3D metadata.
BLUE-3128	The following components used by WhereScape 3D have been upgraded: <ul style="list-style-type: none"> • XStream Core: 1.4.20 • Proguard Ant: 7.4.1 • Pebble: 3.2.2 • JDOM 2: 2.0.6.1 • Jackson Databind: 2.16.1 • Xerces2 J: 2.12.2 • Apache POI Common: 5.2.5 • Apache POI API Based On OPC and OOXML Schemas: 5.2.5

Jira Number	Description
	<ul style="list-style-type: none">• Apache OOXML Schemas: 1.4• Apache Xalan: 2.7.3
BLUE-3127	The following JDBC drivers packaged with WhereScape 3D have been upgraded: <ul style="list-style-type: none">• PostgreSQL: 42.6.1• Snowflake: 3.14.5• Hive: 3.1.3• Oracle: 18.15.0.0• MySQL: 8.3.0• Derby: 10.17.1.0
Bug Fix	
BLUE-3092	Fixed an issue exporting models sourced from a Host connection to xml.
BLUE-3107	Fixed an issue generating HTML documentation when data transformations with no source set defined are included.
BLUE-3104	Fixed an issue with the collapse source mappings model conversion rule and case conversion settings.
BLUE-3119	Fixed an issue importing models that require a connection via the CLI.
BLUE-3114	Fixed an issue displaying custom icons in the workflow pane.
BLUE-3073	Fixed a UI issue when displaying connection information related to models sourced from extensible source connections.

Previous Release Significant Features

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' 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
 - o 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
 - 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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