

WhereScape®

WhereScape® 3D

Release Notes

Version 8.6.5.0 | December 2021

Table of Contents

Table of Contents	2
WhereScape 3D Version 8.6.5.0 Release Update	3
Version 8.6.5.0	4
Significant Features in Version 8.6.5.0	4
Source API connectivity & Configurable UI	4
Configurable Workflows.....	4
Expanded DevOps Capabilities.....	5
All definitions migrated to the Metadata Database.....	5
Detailed list of changes in Version 8.6.5.0	6
Previous Release Significant Features	8
Significant Features in 8.6.3.0.....	8
Significant Features in 8.6.2.0.....	8
Significant Features in 8.5.2.0.....	8
Significant Features in 8.5.1.0.....	8
Significant Features in 8.4.2.0.....	9
Significant Features in 8.4.1.0.....	9
Significant Features in 8.3.1.0 and 8.3.1.1	9
Significant Features in 8.2.1.1.....	9
Significant Features in 8.1.1.0.....	9
Significant Features 8.0.1.0	10

WhereScape 3D Version 8.6.5.0 Release Update

WhereScape is pleased to announce that the WhereScape 3D Version 8.6.5.0 is now available. The Version 8.6.5.0 release notes document details the changes since the last release.

Upgrading to Version 8.6.5.0

To upgrade to Version 8.6.5.0, 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 8.6.5.0

Significant Features in Version 8.6.5.0

The following major enhancements have been made since Version 8.6.3.0.

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

Source API connectivity & Configurable UI

WhereScape 3D 8.6.5.0 introduces expanded data source browsing capabilities and allows seamless integration with the equivalent features in WhereScape RED. This feature enables any data source type to be browsed and ingested into your data warehouse, provided your sources have Windows scriptable APIs and/or command-line tools available. Examples of source types made available by this feature are REST/SOAP Services, Cloud Based Storage, JSON/XML/AVRO, and many more.

WhereScape, Inc. will continue to develop configurations for commonly requested sources and release them as WhereScape Enablement Packs. However, the new workflow can be self-scripted and configured to your own needs.

This feature includes the following additions to 3D:

- User-defined UI components configuration including List boxes, Text boxes, and Numeric fields for the following properties:
 - Connection Properties
 - Load Table Properties
- A new scripted discovery workflow for configured connections

Column-level user-defined metadata.

In addition to Extensible Source Connections, 3D 8.6.5.0 introduces configurable UI components for Column Properties. It enables the storage and retrieval of column-level user-defined metadata such as column collation, GDPR flags, and index inclusion flags.

Configurable Workflows

WhereScape3D 8.6.5.0 provides users with the opportunity to configure workflow buttons to accommodate custom processes. A set of model conversion rules or a user defined script can now be attached to a workflow button. The configurable workflow feature allows processes such as exporting models and/or DDL to GIT to be performed within 3D with the click of a button. Alternatively, batches of processes such as Discovering and profiling a source system, creating an ODS, backing-up the WhereScape RED repository and deploying the ODS model to RED can be grouped together and executed by clicking a single button.

Expanded DevOps Capabilities

Several new CLI features have been introduced in WhereScape 3D 8.6.5.0 allowing 3D to be integrated with a wider range of DevOps processes. The new CLI options available are:

- Export models to XML
- Import models from external format
- Generate DDL from the command line
- Import / export scripts & templates
- Import / export MCRs
- Import / export Category settings
- Import / export Data type mappings
- Import / export Discovery methods
- Import / export Profiling methods
- Import / export Database functions
- Import / export UI Configurations
- Import / export Workflow settings

All definitions migrated to the Metadata Database

3D 8.6.5.0 migrates all definitions to the PostgreSQL metadata database. As a result, Data type mappings, Discovery methods, Profiling methods & Database functions are stored per repository rather than per user. This feature will improve workflow when working in shared environments and allow customizations to be shared easily.

Note

When upgrading a repository to 3D version 8.6.5.0 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 8.6.5.0

The following changes have been implemented since Version 8.6.3.0

Jira Number	Description
New Features	
BLUE-2734	New generate DDL command line feature with option to create separate files for each entity.
BLUE-2744	Added support for exporting models to xml via the command line.
BLUE-2745	Added support for importing models from external format via the command line.
BLUE-2749	Added support for importing and exporting scripts and templates via the command line.
BLUE-2750	Added support for importing and exporting conversion sets via the command line.
BLUE-2751	Added support for importing and exporting category settings via the command line.
BLUE-2752	Added a UI configuration manager to define extensible properties.
BLUE-2753	Added support for executing browse and workflow scripts.
BLUE-2754	Added support for extensible connections.
BLUE-2755	Added support for extensible load table properties.
BLUE-2756	Added support for extensible column properties.
BLUE-2759	Added support for configuring user defined workflow buttons.
Improvements	
BLUE-2233	Data type mappings, Discovery methods, Profiling methods & Database functions have been migrated to the metadata database. New command line options added to import and export.
BLUE-2615	Provided the option to store credentials in the DSN when using ODBC connections.
BLUE-2634	Added support for connecting to the metadata repository using Active Directory (SSPI), Azure AD & LDAP Authentication.
BLUE-2650	Default conversion sets for data vault wizards can now be set in tools -> settings -> model category -> import.
BLUE-2696	Improved naming of Business Vault AsOf / History views
BLUE-2736	Added support for overwriting a repository when restoring via the command line.
BLUE-2739	PIT table wizard now includes Satellite Current View columns in preview.
BLUE-2748	Support for backing up repositories even if some models are locked.
BLUE-2766	Transformations are now applied to Stage tables instead of data vault entities when using out-of-the-box model conversion rules.
BLUE-2848	WhereScape 3D 8.6.5.0 has migrated to OpenJDK 11.0.12 for improved security
Bug	
BLUE-2530	Fixed an issue with the 'ws3d_rvls - Create loads' conversion set when an entity suffix is added.
BLUE-2652	The 'Copy entities' and 'Split entities by source mapping set' model conversion rules now correctly handle query join types.
BLUE-2653	Duplicate join types are no longer displayed on the 'Set query join types' screen.
BLUE-2727	Query templates now produce a consistent and predictable order of joins.
BLUE-2730	The standard DDL templates packaged with 3D now correctly handle Target Locations.
BLUE-2765	The 'Split entities per source mapping' model conversion rule now correctly handles data

Jira Number	Description
	transformations.
BLUE-2771	Fixed issue with 'Split entities' model conversion rule when multiple source mappings containing the same source entities are involved.

Previous Release Significant Features

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 8.5.2.0

- Remapping Multi-source Map Sets.
- More Predictable Hash-key Member with Quick Copy.
- Business Vault Model Conversion Enhancements.
- Multi-Active Satellite supports all naming in stage table.

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
 - 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

Copyright

Copyright © 2021 WhereScape, Inc. All rights reserved.

This document may be redistributed in its entirety and in this electronic or printed form only without permission; all other uses of this document and the information it contains require the explicit written permission of WhereScape, Inc.

Due to continued product development this information may change without notice. WhereScape, Inc. does not warrant that this document is error-free.

Trademark

WhereScape 3D and WhereScape are trademarks or registered trademarks of WhereScape, Inc. Other brands or product names are trademarks or registered trademarks of their respective companies.

WhereScape

10801 N Mopac Expressway
Building 1, Suite 100
Austin, Texas 78759

www.wherescape.com