WhereScape®

WhereScape 3D

Release Notes

Version 8.2.1.1 | September 2018

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WhereScape 3D Version 8.2.1.1 Release Update

WhereScape is pleased to announce that the WhereScape 3D Version 8.2.1.1 is now available. The Version 8.2.1.1 release notes document details the changes since the last release.

Upgrading to Version 8.2.1.1

To upgrade to Version 8.2.1.1, 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 **http://www.wherescape.com/support/3d-release-notes/** page in the Support section.

Kind Regards,

WhereScape 3D Team

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Version 8.2.1.1

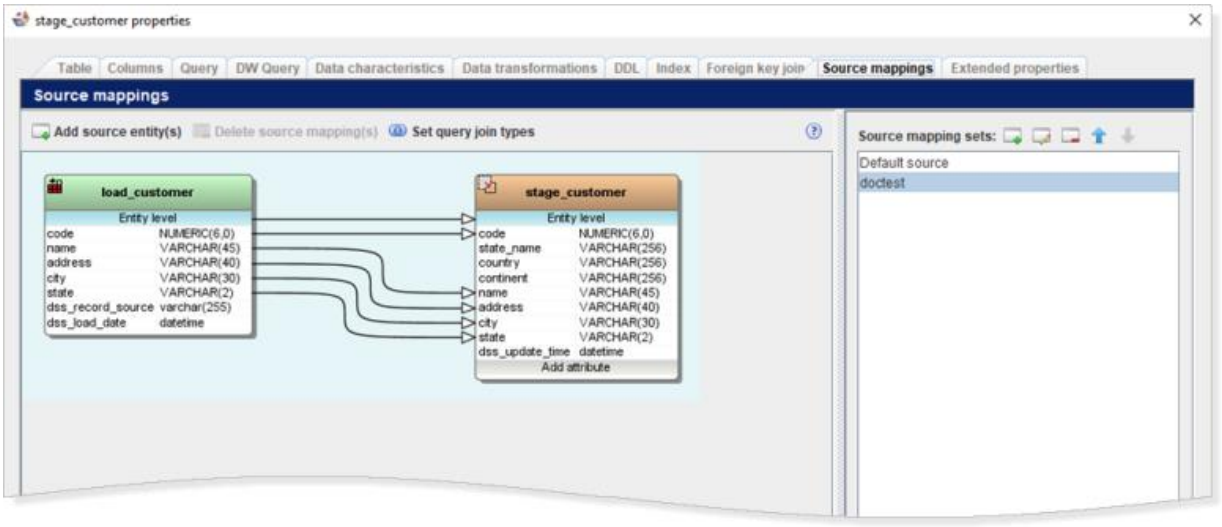
Significant Features in Version 8.2.1.1

The following significant new features have been added since Version 8.1.1.0.

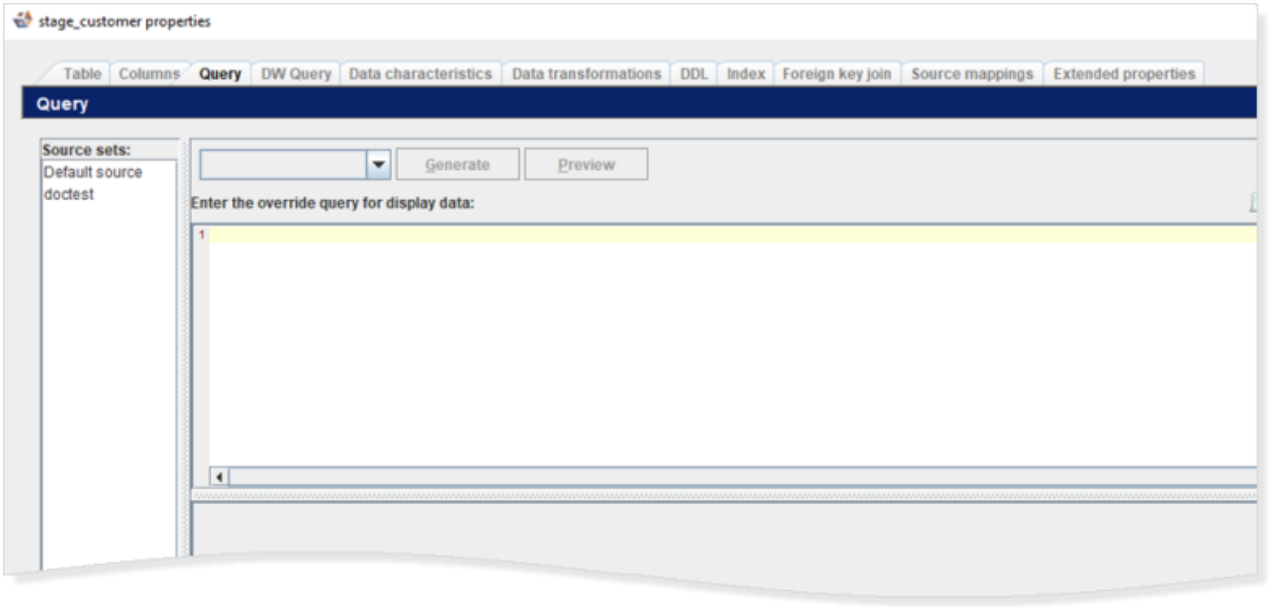
- Introduced source mapping sets for multi-source
- Reinvigorate user guide with HTML5

Introduced Source Mapping Sets for Multi-Source

Source mapping sets has been added that enable you to define source mappings to separate sets of sources; thus providing a way to set individual queries and data transformations on a set of source entities.



Source mapping sets has been added to the entities properties dialog for Query, DW Query, Data Transformation and Source mappings tabs. In addition, source mapping sets have also been added to some model conversion rules.



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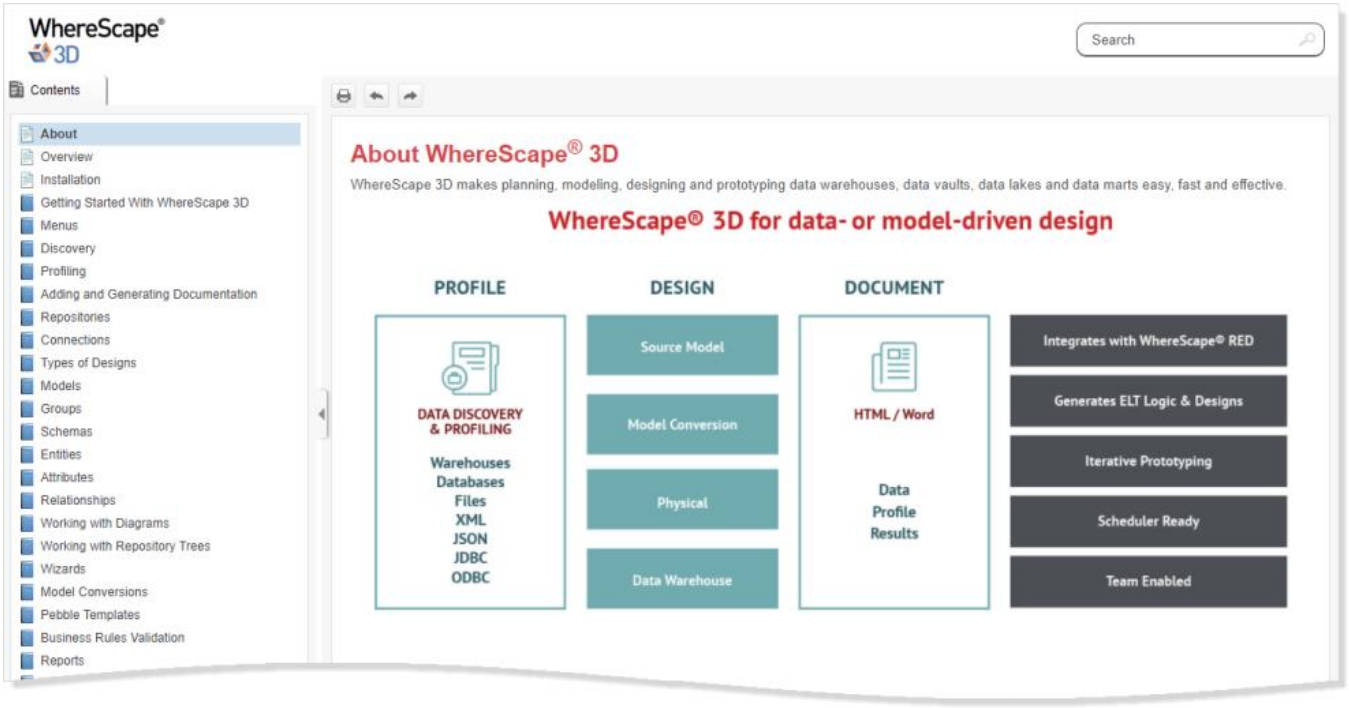
Reinvigorate User Guide with HTML5

New and improved user guide with HTML5.



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Detailed list of changes in Version 8.2.1.1

The following changes have been implemented since Version 8.2.1.0

Notec

Details of changes made in previous versions of 3D are available on the **http://www.wherescape.com/support/3d-release-notes/** page in the Support section.

Jira Number	Description
Bug	
BLUE-2258	The diagram walker can now display when the diagram is open.
BLUE-2261	The split entities per source entity model conversion rule does not fail with a null pointer exception or produces an incorrect source mappings on the entity; that is source mapping an entity that was split by the model conversion rule.
BLUE-2265	Collapse source mapping rule does not ignore attributes with the same source.
BLUE-2269	Changing the name of an entity from the properties dialog now updates the repository tree.

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Detailed list of changes in Version 8.2.1.0

The following changes have been implemented since Version 8.1.1.0

Notec

Details of changes made in previous versions of 3D are available on the **http://www.wherescape.com/support/3d-release-notes/** page in the Support section.

Jira Number	Description
New Features	
BLUE-2217	Flip Relationship Direction rule has been added to Model Conversion Rules enabling you to flip the direction of a matched relationship.
BLUE-2218	Use source set drop-box has been added to the Merge Entities by Source Mappings rule to support source sets.
BLUE-2219	New source entities drop-box has been added to the Add Source Mappings from FKs rule to support source sets.
Improvements	
BLUE-1948	New and improved user guide with HTML5.
BLUE-2132	The shipped model conversions for generating Loads and Stages will remove any indexes to prevent duplicate indexes being created when imported into RED.
BLUE-2133	The third party components have been updated to the latest version.
BLUE-2140	Introduced Source Sets for handling of multiple source mappings.
BLUE-2199	Updated Export to RED feature to align with RED's functionality.
BLUE-2200	Updated the template domain and shipped templates surrounding source mappings
BLUE-2201	The model conversions rules have been updated to support source sets.
BLUE-2225	More fields have been added to the template domain such as user documentation and more attribute properties.
BLUE-2230	Some minor UI improvements have been made.
BLUE-2245	The template editor syntax highlight color for functions has been updated.
Bug	
BLUE-2237	Obtaining host connection in the template domain has been enabled.

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Previous Release Significant Features

Significant Feature 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

Significant Features 2.10.0.0

The following significant new features have been added since Version 2.9.0.0:

- Model conversion logger and snapshots.
- Alignment of Data Vault 2.0 with RED changes and improvements to the model conversions.

Significant Features 2.9.0.0

The following significant features or improvements have been added since Version 2.8.0.2

- Added changing hash to Satellites of a Data Vault
- Data type mappings for Hive and to support TPT loads in Teradata
- Allow deletion of profiling results
- Updated tutorials

Significant Features 2.8.0.2

The 3D 2.8.0.2 update fixes a RED export issue by providing a prompt to determine how potentially invalid data types for dss columns for Teradata are processed.

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Significant Features 2.8.0.1

The 3D 2.8.0.1 update fixes an issue when upgrading a repository with an entity type named 'View' which would cause the repository upgrade to fail.

Significant Features 2.8.0.0

The following significant new features have been added since Version 2.7.0.1

- Data Vault improvements
  - Add relationship between Links and Hubs
  - Entity types added to RED design category
- Model conversion rules
  - New rule: Assign relationship type
  - The 'Exclude views' option in 'Copy entities' rule has been removed
  - The 'Create view' rule requires setting a 'View' entity type
  - Described in the user guide
  - The entity object property field was removed
- Improvements to synchronizing RED object types
  - The improvements have been incorporated for use with the upcoming RED release
  - Allow custom databases for target locations
  - Discovery of view queries
  - Support for Teradata timestamp(0) and MSSQL varchar(max)
  - Additional features to the UI

Significant Features 2.7.2.0 BETA

- No significant features were added in this release.

Significant Features 2.7.1.0 BETA

- Data Vault entity types added to RED design category
- Discovery of view queries
- Support for Teradata timestamp(0) and MSSQL varchar(max)

Significant Features 2.7.0.1

- CSV parser supporting multi-character delimiters and newlines in values
- Model conversion rules have a description field
- Discovery improvements
  - Oracle XML discovery includes data type size and scale
  - Teradata indexes without names

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Significant Features 2.7.0.0

- CSV parser supporting multi-character delimiters and newlines in values
- Model conversion rules have a description field
- Discovery improvements
    - Oracle XML discovery includes data type size and scale
    - Teradata indexes without names

Significant Features 2.6.2.0 BETA

- Data vault 2.0 support
    - Entity type icons for hub, link and satellite tables
- Model conversion rules
    - Additional rule
        - Delete attribute source mappings
- Improvements to existing rules
    - Support for more variables
    - New options for some rules

Significant Features 2.6.1.0 BETA

- DDL language expansions
    - Table type filtering
    - Source query support
- Data Vault 2.0 support
    - Hash key transformations
    - Data Vault staging out views
- RED external targets
- Model conversion rules
    - Additional rules
        - Adding relations
        - Removing transformations
        - Merge entities by source entity
        - Populate entity queries
        - Assign schema
    - Improvements to existing rules
        - Applying steps only for certain RDBMS
        - Variables and basic logic support for transformations
- Diagram walker for large diagrams
- Derive relations wizard can assign primary keys

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Significant Features 2.6.0.0

- Improved usability
  - Regenerating DDL on an entity allows manual changes to be merged back in
  - XML and Generic Profiling allow a connection retry period to be set
  - Display data shows calculated columns
  - Display data generates SQL aliases
- Performance improvements
  - CSV file discovery can be performed on a limited number of rows
  - File profiling (CSV, XML and JSON) can be performed on a limited number of rows
  - Export to RED on a shared repository has been optimized for speed

Significant Features 2.5.2.0 BETA

- Model conversions
  - Direction of source mappings when copying tables
  - Apply data type mappings
  - Copy columns within a table
  - Table and column names as variables
  - Schema handling
  - Setting views
- Generated documentation
  - Hidden entities and attributes
- Handling of simple JSON and XML files
  - Discovery
  - Profiling
  - Sample data
  - Pivot table
  - Duplicate data

Significant Features 2.5.1.0 BETA

- Additional RED integration
  - Generated JOIN queries can now be altered before exporting to RED
- Support for composite joins
  - Generic and XML defined Discovery
  - Generic profiling
  - Query generation
  - DDL generation
  - RED integration
- Hierarchical joins supported
- Joins with aliases supported
- JDBC connections can now have multiple JAR files assigned

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Significant Features 2.5.0.0

- Additional RED integration
  - Transformations created from the data type mappings
  - Catering for altering index types
  - Default values and nullable columns
- User defined content
  - Custom reports
  - Stored queries
- Shared repositories
  - Storing connection passwords central, local or entering when connecting
- Updated branding

Significant Features 2.4.2.0

- 3D work flow assistance
  - Simplified default functionality
- Prototyping capabilities to verify the data warehouse design
  - Denormalizes a sample of the data behind the data warehouse design
  - Shows a basic pivot table for the designed star schema
- Merging models
  - Allows for moving changes between models
  - Supports conflict resolution
- Improved usability and user experience
  - Setting under View to increase the fonts
- Runs on a bundled version of Java 8
- New model conversion to generate load and stage tables for data vaults
- Data type mappings have been updated
- Improved RED integration
- Improved diagram performance
- Updated tutorials and user guide

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Significant Features 2.3.2.0

- Usability / ease of use redesign
  - Improved handling of surrogate keys
  - Adjustment of default values
  - Allowing diagrams to open as read only
  - Navigating from the tree to the diagram
  - Introduction of a category manager
  - Restoring the tree state at start-up
- Setting table background colors in the diagram
- Search and replace functionality in the model conversion rules
- Improved lineage tracking
- Improved subtype handling by the model conversion
- Discovery of files without header rows
- General maintenance and bug fixes
- Added query join types (only INNER JOIN was being supported before)
- Teradata views now get their data types correctly discovered
- Generated documentation has been expanded to contain additional business semantics
- Display data now uses the data transformations
- Models now can be exported in the Common Warehouse Metamodel format
- RED integration Level One
  - Joins on stage tables
  - Unique short names
  - Change detection fields
  - RED projects
  - Syncing of object types
  - Business key flags
  - Surrogate key flags

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Significant Features 2.2.1.0

- Simplified database schema selection on connections
- WhereScape 3D can now be installed in a custom location
- Events viewer
- New wizard to rename multiple columns
- Java 8 support (a custom JDBC-ODBC bridge supporting ODBC 3.x was added)
- Model conversions
    - Sharing model conversions (export and import functionality)
    - Model naming standards (a new rule to enforce naming standards and automate abbreviations)
    - A new rule to generate indexes
    - The 'Delete entities' rule now provides the option to cascade delete any foreign keys
- Simplified connection and model creation
- Redesigned the copy/import/transition functionality
- Large diagrams handling
- Diagrams can now be saved as PNG images

Significant Features 2.1.0.1

- Effort calculation
- Distribution keys enhancements
- Improved RED integration
- Extended relationship profiling
- Duplicate data detection

Significant Features 2.1.0.0

- 3D to RED export/import is now enabled
- New model conversion rules for:
    - Rename attribute
    - Redirect attribute source mappings
    - Add attributes from source entities

Significant Features 2.0.0.8

- Data transformations (BETA)
- PowerDesigner support for views, groups and code as name
- Hadoop Distributed File System can now be a host connection
- File encoding can now be selected on local file system host connections (e.g.: various EBCDIC encodings)
- Updated context menus

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Significant Features 2.0.0.7

- Data quality functionality
- Business rule validation
- Automated star schema design generation from source systems
- Automated stage and load tables generation from star schemas
- New filtering and validation screens for profiling results (BETA)
- WhereScape RED “fixed” categories
- Silent installation options

Significant Features 2.0.0.6

- Significantly improved diagram layouts using a new layout engine
- Sample data generation can now be scheduled.
- Several enhancements to model conversion rules.
- Referential integrity profiling.

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