

WhereScape®

DATA VAULT EXPRESS™

Automate the Data Vault Life Cycle to Deliver Analytics Solutions Faster

With digital transformation and its fuel—data and data analytics—impacting nearly every business, there’s an unprecedented urgency for IT to deliver a constant stream of new analytics solutions to the business. In response, IT teams are turning to a new way of thinking about enterprise data warehouses: the Data Vault 2.0 methodology.

Designed to be resilient to business and technology changes, the Data Vault 2.0 approach simplifies data ingestion from multiple sources, makes it easy to add new data sources without disruption, and increases scalability and consistency.

While completed Data Vaults deliver many benefits, designing and developing them by hand require significant time, effort, and money. Automation can provide IT teams with the help needed to deliver new solutions as rapidly as the business needs them.

WhereScape® Data Vault Express™ automates the entire Data Vault life cycle, enabling your organization to deliver analytics solutions to the business far more quickly, at a much lower cost, and with better success than do-it-yourself approaches.

Cut time to production by two-thirds

WhereScape Data Vault Express dramatically cuts your time to production for Data Vault-based analysis solutions. In fact, WhereScape customers average two-thirds faster design and development compared to manual efforts using disparate tools.

Helping your team iterate faster on model design, WhereScape Data Vault Express automatically generates:

- Hubs, satellites, and links
- Hash keys and change keys
- Metadata attributes, including load date and record source
- Native code to instantiate and populate the Data Vault

“WhereScape Data Vault Express can reduce the complexity and costs associated with building and updating Data Vaults, as well as the learning curve for teams new to the Data Vault methodology.”

— Daniel Linstedt, Creator of the Data Vault

WhereScape Data Vault Express

Shorten the learning curve

Is this your team's first time creating a Data Vault 2.0 architecture? If so, it likely faces a steep learning curve compared to more traditional data warehouse approaches.

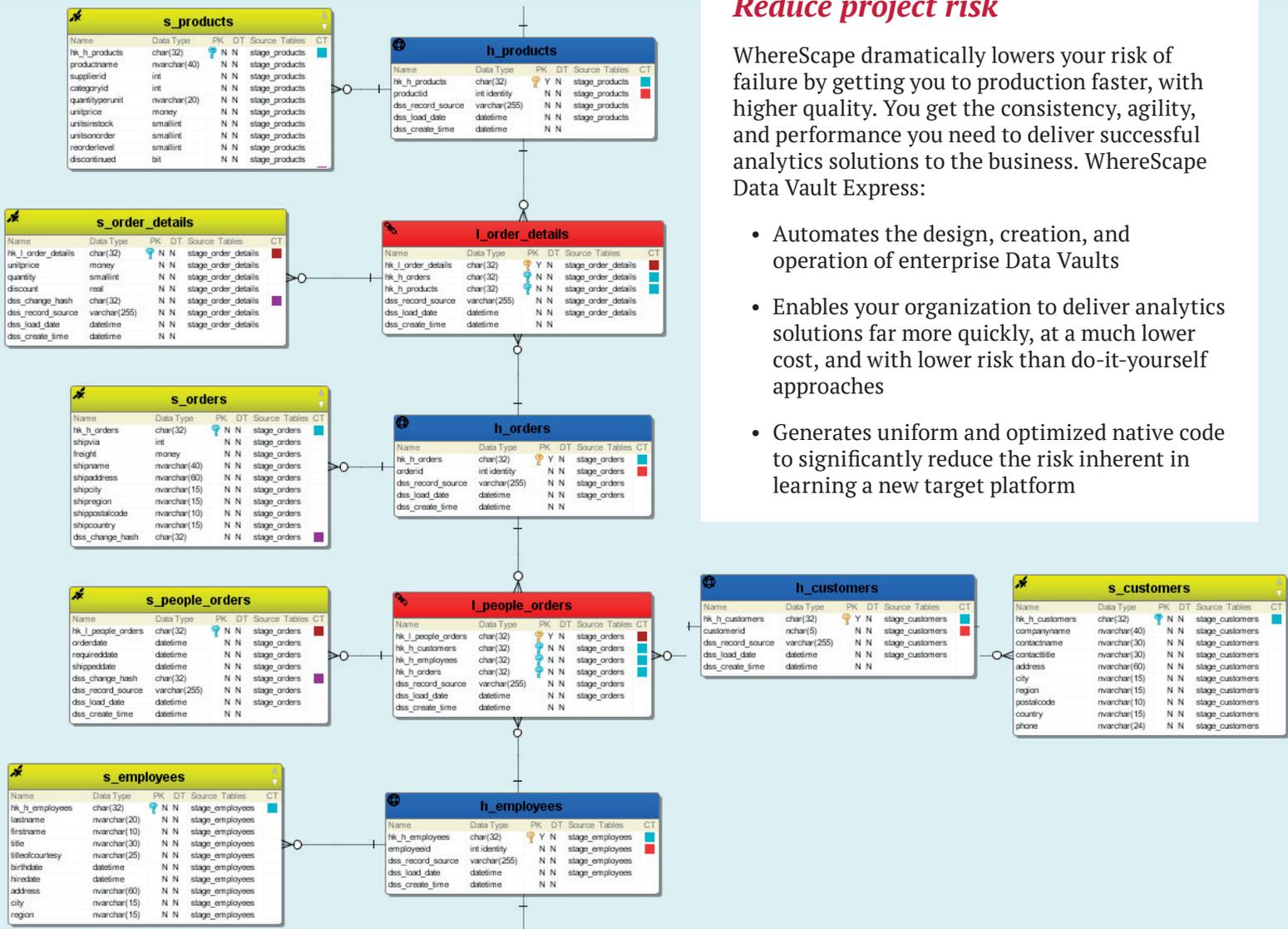
WhereScape Data Vault Express dramatically shortens the learning curve for teams new to the Data Vault methodology by:

- Reducing the complexity of building and updating Data Vaults compliant with the standard
- Providing built-in Data Vault 2.0 patterns and best practices
- Simplifying and accelerating development with built-in wizards and templates

Reduce project risk

WhereScape dramatically lowers your risk of failure by getting you to production faster, with higher quality. You get the consistency, agility, and performance you need to deliver successful analytics solutions to the business. WhereScape Data Vault Express:

- Automates the design, creation, and operation of enterprise Data Vaults
- Enables your organization to deliver analytics solutions far more quickly, at a much lower cost, and with lower risk than do-it-yourself approaches
- Generates uniform and optimized native code to significantly reduce the risk inherent in learning a new target platform



Data Vault Diagram in WhereScape 3D for Data Vault 2.0

WhereScape automation for Data Vault 2.0

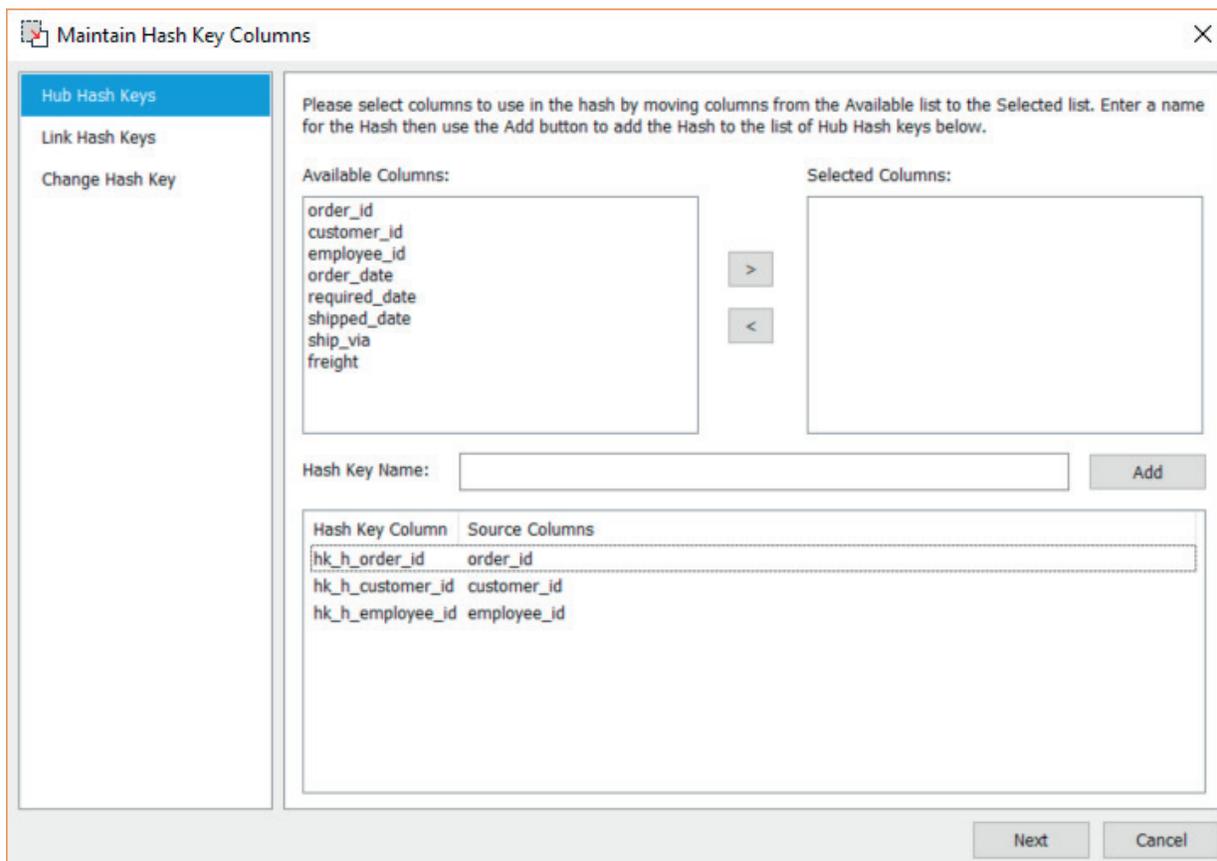
WhereScape Data Vault Express is specifically engineered and integrated for Data Vault 2.0 and includes:

- WhereScape 3D for Data Vault 2.0, a design tool customized for quickly designing and reality testing your Data Vault and analytics projects.
- WhereScape RED for Data Vault 2.0, an integrated and customized development environment for rapidly building, deploying, managing, and updating your Data Vault.

Data Vault Express Features	Benefits
Automated creation of all hubs, satellites, and links from metadata models	<ul style="list-style-type: none">• Significantly reduces development time• Accelerates iteration on model design• Follows established Data Vault 2.0 patterns and best practices• Enables complete lineage from source-to-target, as well as impact analysis and full documentation• Streamlines knowledge transfer and improves maintainability
Automatic generation of hash keys and change keys	<ul style="list-style-type: none">• Significantly accelerates the development of hash and change keys• Improves the robustness of the code• Ensures that hash and change keys are consistent across entities to reduce the risk of discrepancies and potential data consistency issues downstream
Automatic management of all metadata attributes including: load date and record source	<ul style="list-style-type: none">• Reduces risk and streamlines ongoing maintenance
Automatic generation of all code required to instantiate and populate the Data Vault	<ul style="list-style-type: none">• Reduces the time and effort it takes to deliver new analytics solutions• Delivers consistent, robust, and stable code to reduce project risk• Maximizes the performance of the underlying technology thanks to native, optimized code• Supports quick iterative cycles, while still maintaining control and governance.

Why WhereScape

WhereScape empowers more than 700 organizations worldwide to deliver business value from their analytics infrastructures—saving them time and money, while reducing risk. Customers such as Vodafone Netherlands and Micron rely on WhereScape to achieve rapid success with Data Vault 2.0 and new analytics solutions for the business.



Maintain Hash Key Columns

Please select columns to use in the hash by moving columns from the Available list to the Selected list. Enter a name for the Hash then use the Add button to add the Hash to the list of Hub Hash keys below.

Available Columns:

- order_id
- customer_id
- employee_id
- order_date
- required_date
- shipped_date
- ship_via
- freight

Selected Columns:

Hash Key Name:

Hash Key Column	Source Columns
hk_h_order_id	order_id
hk_h_customer_id	customer_id
hk_h_employee_id	employee_id

Hash Key Wizard in WhereScape RED for Data Vault 2.0

WhereScape®

The pioneer in data warehouse automation software, WhereScape empowers organizations constrained by time, money or lack of resources, to deliver business value from their decision support infrastructure – including enterprise data warehouses, business facing data marts, and big data solutions. WhereScape has global operations in the USA, UK, Singapore, and New Zealand. www.wherescape.com

TERADATA ORACLE

IBM DB2

Microsoft SQL Server

NETEZZA

hadoop

Greenplum

Microsoft SQL Server Parallel Data Warehouse

Microsoft Azure

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