

WhereScape: Executive Guide

Data Acceleration: Five Steps to Success - A WhereScape Executive Guide



Introduction

WhereScape is a robust data automation platform that caters to a broad spectrum of industries, each with distinct challenges in data management and analytics. From stringent data compliance and governance demands to the need for agile decision-making frameworks, organizations face unique obstacles that require more than generic solutions.

WhereScape's suite of automation tools is specifically designed to address these varied needs. This guide showcases a collection of customer stories from key industries to highlight the transformative impact of WhereScape's tailored data solutions.

Are you ready to enhance your data strategies and operational efficiency with automation? Explore the diverse applications and benefits of WhereScape across different sectors.



INDUSTRY INSURANCE

Legal & General Unifying Data Management with Automation

CHALLENGE

L&G struggled with a disjointed data management system using outdated tools, leading to unreliable and difficult-to-trace data. Inadequate infrastructure and costly external dependencies hindered the growing need for standardized, high-quality data.

SOLUTION

Peter Jackson, the Director of Group Data Sciences at L&G, aimed to consolidate all data operations within a standardized, automated framework to improve collaboration, transparency, and documentation. L&G adopted WhereScape automation for flexibility and efficiency, facilitating preferred database use and data architecture migration.

RESULTS

L&G drastically reduced data loading times from 3.5 hours to one hour using WhereScape, without any failures. Marketing database builds were cut from a week to just eight hours. Approximately 20 data engineers across multiple departments now use WhereScape, improving the prototyping and approval process and increasing productivity. This automation not only saved time and reduced weekend work but also prompted a cultural shift, enhancing IT's responsiveness to business needs and increasing trust throughout the organization.



Key Business Outcomes

- ▶ Efficiency
- ▶ Agility
- ▶ Innovation

INDUSTRY HEALTHCARE

Simplyhealth Enhancing BI with WhereScape Automation

CHALLENGE

Simplyhealth aimed to streamline its Business Intelligence (BI) operations, reducing its BI team size from 10 to 4 without sacrificing quality. The team previously struggled with inefficient and complex PL/SQL ETL processes, which were hard to maintain and lacked capabilities for historical reporting.

SOLUTION

Simplyhealth chose WhereScape after reviewing several BI solutions, drawn to its full automation from data sourcing to warehousing and its code generator feature that improved team support and process understanding. They implemented WhereScape 3D for testing designs and demonstrating prototypes with actual data, and WhereScape RED for automating the construction and management of data marts.

RESULTS

WhereScape's automation allowed Simplyhealth to maintain a smaller, more efficient BI team of four, achieving higher productivity without compromising service quality. Data refresh times dropped from eight hours to one hour, and projects that once took 18 months were completed by a single developer in four weeks. Changes that used to require several hours can now be made in minutes, and for the first time, the team has complete documentation of their data warehouse. This efficiency boost has enabled the BI team to address business needs more effectively and take on more strategic projects.



Key Business Outcomes

- ▶ Efficiency
- ▶ Agility
- ▶ Innovation

INDUSTRY EDUCATION

Bucknell University Automating Data Warehouse Development for Cloud Efficiency

CHALLENGE

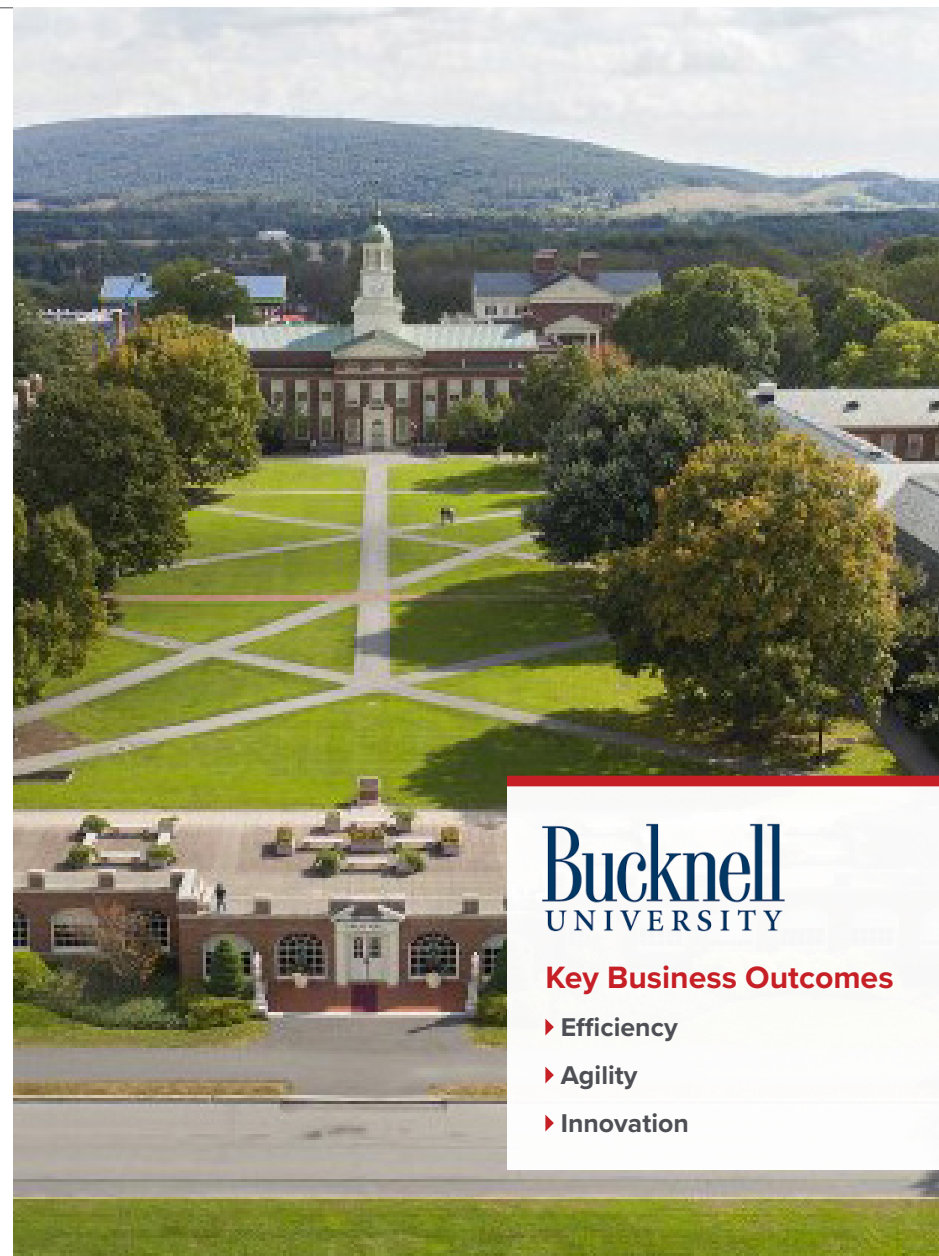
Bucknell University needed a new data warehouse to support new enterprise systems and address architectural changes, performance issues, and the lack of agility with their existing system. Their traditional ETL tools were cumbersome, requiring specialized skills and making it difficult for team members to modify models or transformations easily.

SOLUTION

Bucknell chose WhereScape for its data warehouse automation capabilities, allowing the university to focus on business-level problems rather than the minutiae of development. WhereScape's automation tools helped Bucknell build their data warehouse efficiently, with features like automated documentation and impact analysis, facilitating a more agile and less labor-intensive development process.

RESULTS

Bucknell built and deployed a cloud-based data warehouse on AWS using Microsoft SQL Server and WhereScape RED, surpassing traditional development speeds. Automation streamlined documentation and impact analysis, easing system modifications and enhancements. The serverless ETL approach and cost-effective pricing boosted agility and project efficiency, halving the development time for data models and allowing the team to focus more on business objectives.



Bucknell
UNIVERSITY

Key Business Outcomes

- ▶ Efficiency
- ▶ Agility
- ▶ Innovation

INDUSTRY UTILITIES

Jersey Electricity Leading Smart Metering with WhereScape Automation

CHALLENGE

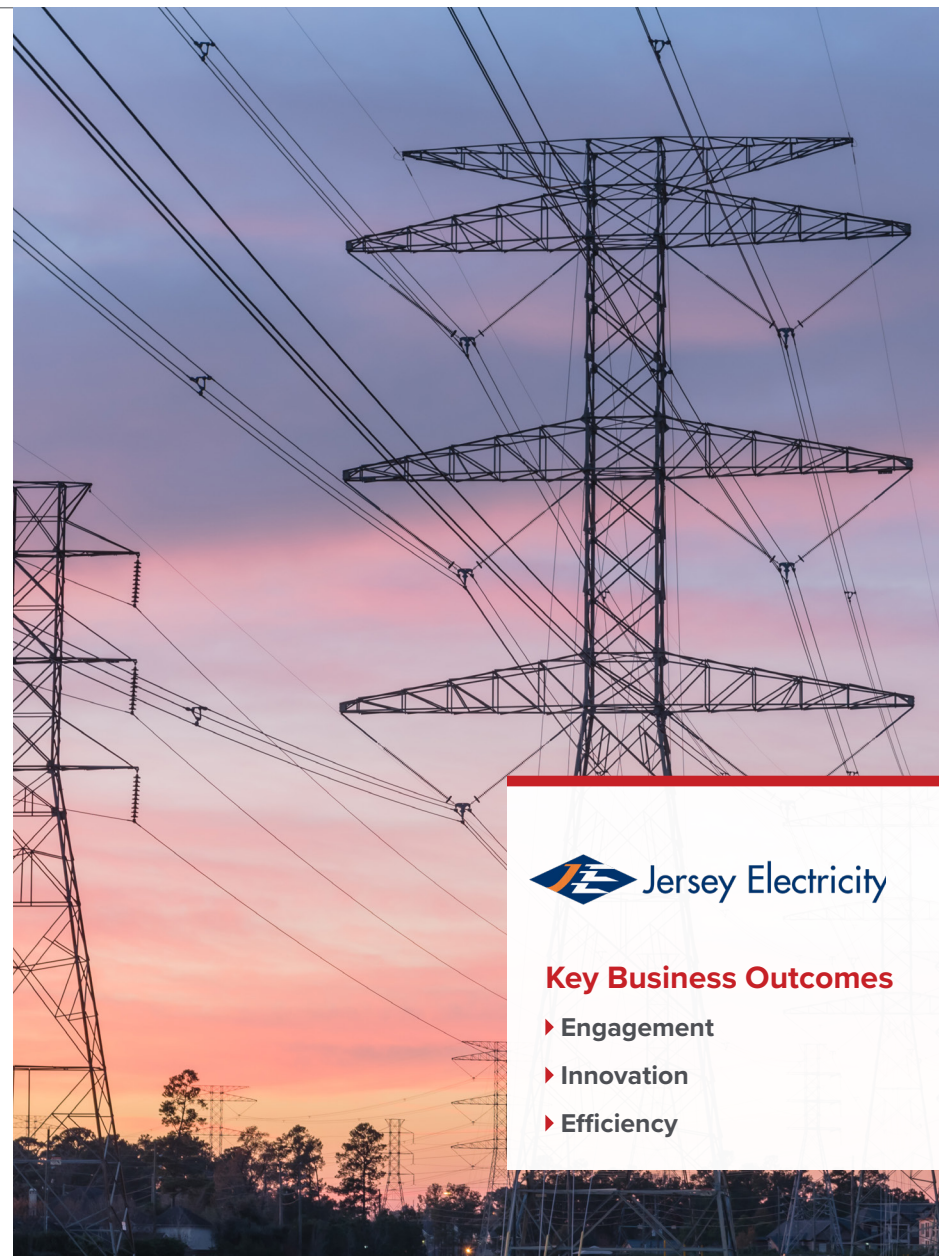
Jersey Electricity (JE) aimed to install Smart Meters across all properties by 2017 to enhance customer engagement through precise energy consumption reports. Traditional meters were inadequate for this task, requiring a sophisticated solution for data collection, analysis, and reporting.

SOLUTION

JE selected WhereScape RED for its ability to rapidly and cost-effectively build data warehouses. WhereScape's automation across the entire data warehouse lifecycle allowed JE to integrate diverse data sources, handle large volumes of data, refresh it daily, and offer scalable, responsive analysis tools while leveraging existing skills and maintaining thorough process documentation.

RESULTS

Smart Metering Automation revolutionized JE's customer engagement, providing real-time energy usage data that helped customers adjust their consumption for cost savings during off-peak periods. The automation also improved network performance monitoring and demand forecasting. In just 22 days, JE developed a comprehensive data warehouse with various tables, dimensions, OLAP cubes, and workflows, including complete documentation. This project not only gave JE a competitive advantage but also underscored their dedication to customer-focused innovation.



Key Business Outcomes

- ▶ Engagement
- ▶ Innovation
- ▶ Efficiency

INDUSTRY MANUFACTURING

Renold Revolutionizing Business Intelligence with WhereScape Automation

CHALLENGE

Renold faced challenges managing data across 13 ERP systems, resulting in unreliable and inconsistent reporting. The company aimed to standardize its ERP systems for better analytics but was hindered by a four-year timeline. Sales staff also lacked essential market intelligence, and understanding reseller and distribution networks was inefficient.

SOLUTION

Renold implemented WhereScape RED and WhereScape 3D to develop an agile, source-agnostic Data Warehouse that consolidated data from various systems into a single platform. This facilitated reliable reporting and provided the sales team with essential sales intelligence, preparing all data for a new ERP system to enhance analytics across the enterprise.

RESULTS

In just three months, Renold achieved substantial improvements. Data download times were slashed from 3.5 days to 30 seconds, and daily reports now take only 30 seconds instead of an hour. Month-end reporting time decreased dramatically from four days to three hours, allowing for timely interim reports. Automated documentation and metadata features from WhereScape highlighted and corrected source data and process errors, facilitating the efficient integration of historic sales and commercial data into the Data Warehouse. This groundwork supports future acquisitions and business expansion.



RENOLD

Key Business Outcomes

- ▶ Efficiency
- ▶ Agility
- ▶ Insight

INDUSTRY FINANCIAL SERVICES EMEA

Toyota Financial Services Digital Transformation with WhereScape Automation

CHALLENGE

Toyota Financial Services needed to standardize financial reporting across nine countries with diverse data models and formats. Their existing system was neither scalable nor efficient, prompting the need for a solution to standardize data models and unify data delivery methods.

SOLUTION

The company adopted WhereScape Data Automation software alongside Snowflake's cloud platform and data vault modeling, after a successful proof of concept by Infomotion. This solution streamlined the ETL process, enabling rapid and consistent data integration while transitioning from traditional coding to an automated, GUI-based approach for faster development.

RESULTS

Within seven months, Toyota Financial Services migrated 95% of its infrastructure to the cloud and constructed a data vault, achieving rapid MVP development for the first country. The transition to automation expedited changes and enhanced modeling efficiency. WhereScape's automation ensured seamless task scheduling, data loading, and simplified project documentation. The use of WhereScape's metadata repository provided thorough documentation and data lineage, aiding regulatory reporting and delivering long-term operational and cost efficiencies.



Key Business Outcomes

- ▶ Efficiency
- ▶ Agility
- ▶ Innovation
- ▶ Savings

INDUSTRY FINANCIAL SERVICES NA

Fidelity Bank Streamlining Data Warehouse Creation with WhereScape Automation

CHALLENGE

Rapid growth led Fidelity Bank to struggle with siloed data and manual, error-prone reporting processes. The need for a unified reporting infrastructure was critical to address inefficiencies and improve data analysis across the bank's expanding operations.

SOLUTION

Fidelity Bank adopted WhereScape® RED for Teradata and the Teradata Data Warehouse Appliance to automate its first data warehouse development. This approach aimed for a fast, optimal ROI by automating development, deployment, and operation, significantly easing the data warehousing learning curve.

RESULTS

In just four months, IT Project Manager Eric Martz delivered the bank's first data warehouse, facilitating rapid risk management reporting without manual coding. This capability enabled the bank to swiftly meet reporting requests, reducing response times from weeks to hours or days, and provided comprehensive insights across the bank's diverse data landscape.



Fidelity

Key Business Outcomes

- ▶ Efficiency
- ▶ Agility
- ▶ Innovation
- ▶ Value

INDUSTRY RETAIL

The Body Shop Transforming Data Management with WhereScape Automation

CHALLENGE

The Body Shop Indonesia faced challenges in managing its rapidly growing business due to disparate and disconnected data management systems. The need for accurate, real-time reporting of sales, stock, discounts, and profits was critical, but existing systems were inadequate, difficult to maintain, and lacked seamless departmental collaboration.

SOLUTION

In partnership with WhereScape, The Body Shop Indonesia revamped its information management systems using WhereScape RED Data Warehouse Automation. This solution integrated seamlessly with their existing Microsoft SQL Server, streamlining the transition and enhancing data accessibility and documentation across the business.

RESULTS

The implementation of WhereScape RED transformed The Body Shop Indonesia's data management, enabling centralized access to data from all locations and the website. It now delivers real-time, detailed reports that influence decisions on stock levels and marketing, offering a comprehensive business overview. The system also supports detailed inventory analysis by store, providing daily insights into product sales potential by location. Completed in just three months, this project showcased WhereScape's rapid and flexible data management capabilities.



Key Business Outcomes

- ▶ Efficiency
- ▶ Insight
- ▶ Growth

INDUSTRY AUTOMOTIVE

Volkswagen Commercial Vehicles Streamlining BI Goals with WhereScape Data Warehouse Automation

CHALLENGE

Volkswagen Commercial Vehicles (VGSG) faced a significant challenge in delivering Business Intelligence (BI) goals rapidly and iteratively. The primary objective was to enhance their 'Time to Market' for BI initiatives, necessitating a solution that could expedite the BI delivery process while ensuring high quality and consistency.

SOLUTION

VGSG chose WhereScape's Data Warehouse Automation solution to meet their needs, due to its capability for quick and iterative BI delivery, significantly accelerating development while maintaining high-quality output. The implementation emphasized automating the ELT import process, standardizing scripts using templates, and producing high-quality documentation effortlessly.

RESULTS

WhereScape's implementation significantly accelerated VGSG's ELT import process by six times and streamlined standardized script generation using automation templates. This facilitated high-quality, automatic documentation, giving business users early data visibility to enhance requirement understanding and integration into the development process. The agile methodology of WhereScape's solution supported rapid prototyping and quick feedback cycles, reducing the 'Time to Value' for BI initiatives. It also achieved economic efficiency by lowering maintenance and change costs, setting new efficiency standards in BI project delivery within the automotive industry.



Key Business Outcomes

- ▶ Speed
- ▶ Efficiency
- ▶ Agility
- ▶ Economy

INDUSTRY TRANSPORTATION SERVICES NA/CA

Canadian National Railway Enhancing Customer Service and Safety Through Data Warehouse Automation

CHALLENGE

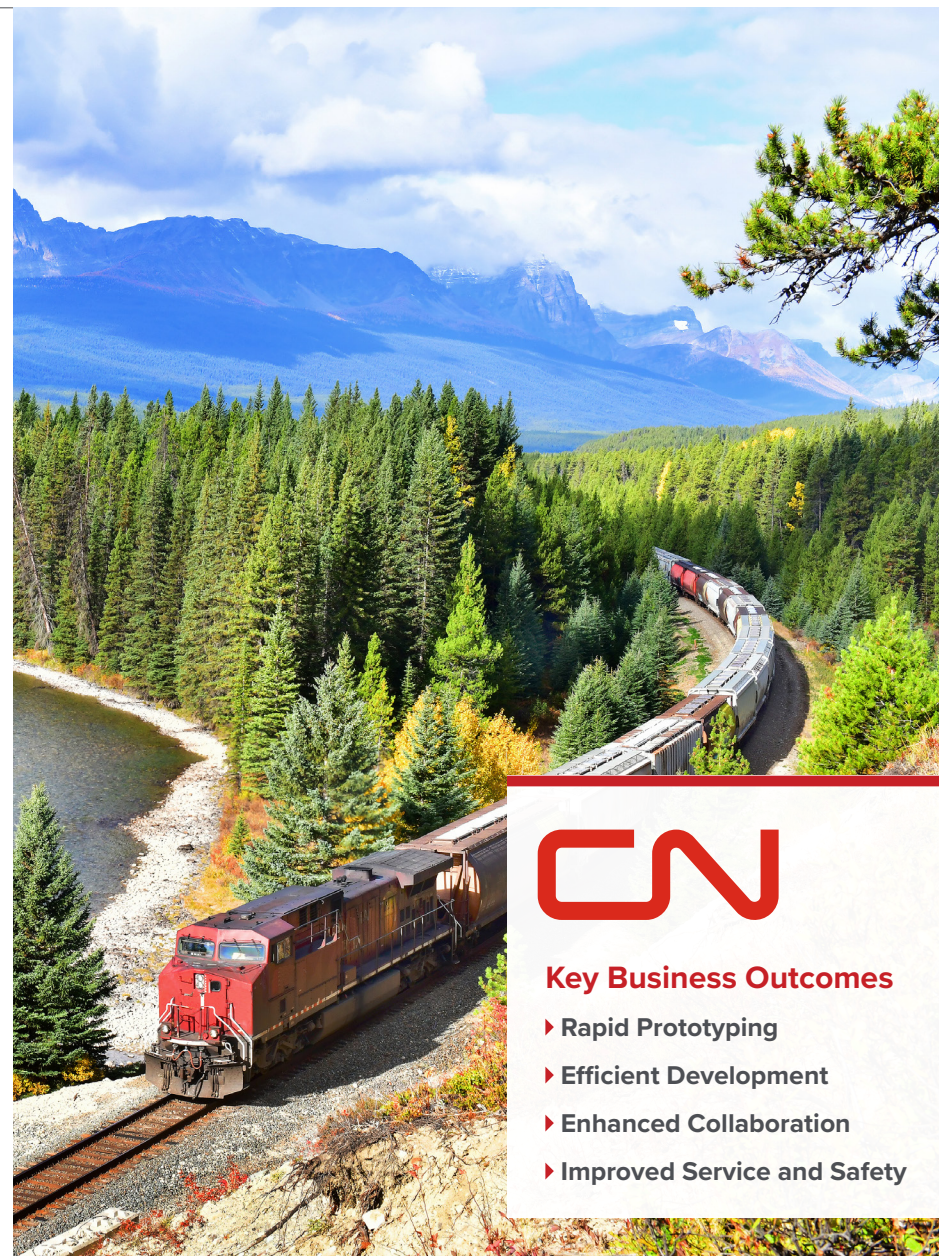
As the largest railway in Canada, CN faced the challenge of managing and analyzing an exploding amount of data due to the increased use of GIS and sensors. The company needed a way to better serve its vast and diverse user community by accelerating access to manufacturing data, improving customer service, and enhancing safety.

SOLUTION

CN revamped its BI strategy, integrating automated and iterative rapid prototyping capabilities with WhereScape RED within its agile methodology. This approach allowed CN to dramatically change its development process, moving away from traditional ETL development to a more flexible, efficient, and rapid prototyping and deployment method.

RESULTS

WhereScape's automation enabled CN to quickly iterate and deliver prototypes, dramatically reducing the time from concept to delivery. In one instance, after only one week of using WhereScape RED, CN integrated multiple data sources and presented a working demo to business users. This rapid development cycle allowed CN to meet business needs much faster, regaining the trust of business users and responding to changing business conditions with unprecedented speed.



Key Business Outcomes

- ▶ Rapid Prototyping
- ▶ Efficient Development
- ▶ Enhanced Collaboration
- ▶ Improved Service and Safety

INDUSTRY TECHNOLOGY NA

Micron Technology Revolutionizing Data Warehouse Solutions with WhereScape

CHALLENGE

Micron Technology sought to enhance its data analytics capabilities to support continuous innovation and cost efficiency in manufacturing. The existing data warehousing approach couldn't keep up with the business needs, leading to inefficiencies and repeated tasks across multiple manufacturing sites.

SOLUTION

Micron adopted Data Vault 2.0 for its methodology, combining it with agile development practices and automation tools. WhereScape 3D and WhereScape RED, along with Teradata Data Warehouse Appliance 2800. This blend aimed to streamline development, documentation, and deployment, accelerating the creation of a global enterprise data warehouse.

RESULTS

Within three months, Micron established the foundation for its global enterprise data warehouse. The use of WhereScape automation allowed for rapid prototyping and delivery of new data warehouse solutions in less than an hour, significantly enhancing the speed, quality, consistency, and transparency of data warehousing efforts. This agility enables Micron to quickly meet business requests and support its innovative manufacturing processes with up-to-date, efficient data analytics.



Key Business Outcomes

- ▶ Speed
- ▶ Quality and Consistency
- ▶ Transparency
- ▶ Innovation Support

INDUSTRY DISTRIBUTORS/WHOLESALE NA

US Lumber Streamlining Data Integration with WhereScape Automation

CHALLENGE

Amidst rapid expansion, US Lumber needed to efficiently integrate data from numerous acquisitions into its growing data infrastructure. The task was overwhelming for the existing IT framework, necessitating a more scalable and agile data warehousing solution.

SOLUTION

US Lumber adopted WhereScape's automation tools, including WhereScape RED and WhereScape 3D, to facilitate Data Vault modeling and streamline the data integration process. This solution enabled rapid, automated development and management of the data warehouse, significantly easing the assimilation of new acquisitions.

RESULTS

Leveraging WhereScape automation, US Lumber cut the data integration time for new acquisitions by over 50%, from several months to about 45 days. The automation tools fostered a more agile development environment, improving bug fixing, prototyping, and collaboration with business units, which supported the company's growth and operational needs.



U.S. LUMBER

Key Business Outcomes

- ▶ Accelerated Integration
- ▶ Development Agility
- ▶ Improved Collaboration
- ▶ Scalability and Efficiency

Unlocking Success with WhereScape: Five Essential Steps

1

Define Clear Objectives

Begin by clearly defining the objectives and goals of your data infrastructure project. Understand what you aim to achieve, whether it's improving data quality, accelerating time-to-insight, or optimizing data processes.

2

Collaborative Planning

Involve key stakeholders from various departments early in the planning phase. Collaborate to ensure alignment between business needs and technical implementation. This step helps in fostering buy-in and ensures the solution meets the requirements of all stakeholders.

3

Agile Development and Iterative Approach

Adopt an agile development methodology to streamline the implementation process. Break down the project into manageable increments and prioritize features based on business value. This iterative approach allows for flexibility and enables you to adapt to changing requirements or insights gained during the process.

4

Automate Wherever Possible

Leverage WhereScape's automation capabilities to accelerate development cycles and reduce manual effort. Automating repetitive tasks such as code generation, testing, and deployment frees up valuable time for your team to focus on strategic initiatives and innovation.

5

Business Use Case

Accelerating Analytics for Decision Making.

OBJECTIVE

Optimize data integration to enhance decision-making speed and accuracy.

APPROACH

- ▶ **Automated Data Integration:** Streamline infrastructure development with automation to cut manual coding and speed up timelines.
- ▶ **Agile Data Warehousing:** Employ agile methods to quickly adapt data warehouses to changing business needs.
- ▶ **Self-Service Analytics:** Provide users easy access to reliable data, enabling swift and informed decisions.

RESULTS

- ▶ **Increased Efficiency:** Reduced errors and faster project completion through automation.
- ▶ **Enhanced Decision-Making:** Access to real-time, accurate data improves business agility and competitiveness.
- ▶ **Cost Savings:** Lower resource needs and reduced costs enhance ROI from data initiatives.

These steps provide a structured approach to leveraging WhereScape solutions effectively, with a focus on driving tangible business outcomes through data automation and optimization.

Getting Started with WhereScape

WhereScape offers a comprehensive solution to enhance data processes, increase value delivery, and improve collaboration within organizations:

▶ **Automated Data Infrastructure:**

Streamlines design, development, deployment, and operation, reducing effort and time.

▶ **Agile Data Warehousing:** Automates repetitive tasks and enhances workflows, enabling quick adaptations and faster insights.

▶ **Accelerated Time-to-Value:** Speeds up the process from raw data to actionable intelligence through automation.

▶ **Metadata Management and**

Documentation: Automates documentation generation, improves data governance, and provides self-service access for data analysis.

▶ **Future-Proofing Your Data Strategy:**

Supports transitions to cloud solutions and integrates modern technologies like AI, ensuring continual innovation.

Explore WhereScape's Data Automation Solutions

Explore how WhereScape's features align with your organization's needs. Our platform automates data infrastructure, accelerates insights delivery, and simplifies data governance, preparing you for future challenges with advanced technologies like AI.

Ready to see it in action?

Request a demo today with a WhereScape expert and start your journey towards optimized data management.

