

Building Data Products in a Data Mesh Architecture to Drive Growth and Customer Value at Scale



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Global Reach

WhereScape helps IT teams fast-track projects and deliver more through **data infrastructure automation**.

PROVEN



1000+

Customers

From small organizations to large global enterprises.

ROI



8x

Developer Output

By automating the routine steps that slow developers down.

EXPERIENCED



20+

Years

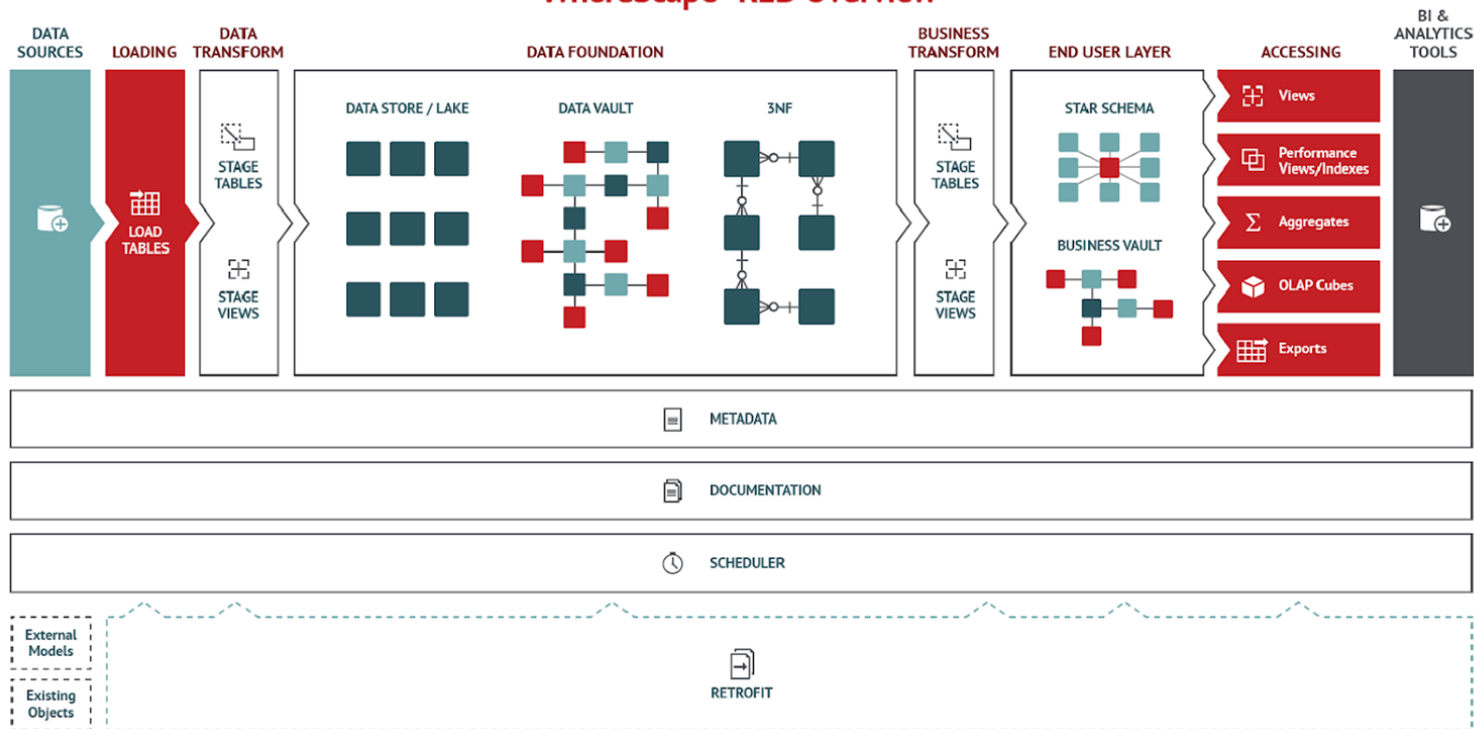
Of automation innovations for IT teams of all sizes.

Why Now is the Time for Automation



WhereScape RED

WhereScape® RED Overview



Today's Challenges

1. Lack of trust in data delivery ecosystem
2. New compliance and regulation reporting requirements
3. More data from more sources is required
4. Difficult to find enough staff to do the work in time
5. Debugging, testing, and reworking routine tasks takes too much time
6. Communicating what data is available and where it is coming from
7. Costs to maintain a highly reliable data infrastructure are skyrocketing
8. Manual coding has become extremely time-consuming and unfeasible



What is Data Mesh?

- Coined in 2019
- Four principals:
 - Domain-driven data ownership architecture
 - Data as a product
 - Self-service infrastructure as a platform
 - Federated computational governance



Why Data Mesh?

- More General than Point Solutions
- Provides a Reliable, Timely, Complete Data
- Provides Business Solution to Business Problem
- Scalability of Sources and Customers

YouTube Video “Introduction to Data Mesh - Zhamak Dehghani”



Building a **Data Mesh Team**

- Technical Skills
- Analytical Skills
- Non-Technical Skills



Technical Skills

- Data Engineering
- Software Development
- Data Management
- Cloud and Infrastructure
- Data Modeling and Architecture



Analytic Skills

- Data Analysis and BI
- Machine Learning and AI
- Domain Knowledge



Non-Technical **Skills**

- Project Management
- Quality Assurance
- Collaboration and Cross-Communication
- Change Management



Job Rolls

- Data Product Owner
- Data Engineers
- Data Architects
- Data Analysts and BI Developers
- Data Governance and Quality Experts
- Domain Experts

Generating Sustainable Value **With Data Products and Insights**



Data Products

- Examples of Data Products
 - Examples of successful data products in the industry
 - Key features that make data products valuable
- Generating Insights
 - Utilizing advanced analytics and machine learning
 - Translating data insights into business actions
- Leveraging Expertise
- Building a knowledge-sharing culture
- Collaborating with external experts and industry leaders



Increasing Efficiency with Data Mesh Architecture

- What Leads to Project Success?
- Moving from Centralized to Decentralized Control
- How are Standards Enforced?



Future Innovations

- Ever hear of “AI?”
- Levels of Data Automation
- How are Standards Enforced?



Summary / Q&A

- Data Mesh is Decentralized
- Product Oriented
- Oversight Still Needed
- Start Small, Build on Successes

WhereScape®
Data Automation



Thank you

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