

Global Pharmaceutical Company



Accelerates business velocity, enhances compliance and saves resources with data vault automation

Client Profile

A multinational healthcare company headquartered in Europe, committed to improving lives through pharmaceuticals and diagnostics

Challenge

Like many pharmaceutical companies, this customer manages a massive data warehouse combining clinical trial, supply chain and other mission-critical data. They had chosen a Data Vault schema for its flexibility in handling complex data and rapid change but found creating the hubs and satellite structure incredibly laborious. They needed to accelerate development, as well as aggregate data from different systems for internal customers to access and share. Additionally, the company needed lineage and traceability for regulatory compliance efforts. With this ability, they can identify data sources, transformations and usage to safeguard protected health information (PHI) for clinical trials.

Solution

erwin® Data Vault Automation centralizes the specification and deployment of Data Vault architectures for better control and visibility of the software development lifecycle. erwin Data Catalog by Quest® makes it easy to discover, organize, curate and govern data being sourced for and managed in the warehouse. With this solution, users select data sets to be included in the warehouse and fully automate the loading of Data Vault structures and ETL operations.

erwin Smart Connectors by Quest eliminate the need for a business analyst and ETL developers to repeat mundane tasks, so they can instead focus on choosing and using the desired data. This saves considerable development time and effort, plus delivers a high level of standardization and reuse. After the Data Vault processes have been automated, the warehouse is well-documented with traceability from the marts back to the operational data to speed the investigation of issues and analyze the impact of changes.

After an initial proof of concept, the pharmaceutical giant deployed erwin Data Vault Automation generating more than 200 tables, jobs and processes with 10 to 12 scripts. The highly schematic structure of the models enables large portions of the modeling process to be automated, dramatically accelerating Data Vault projects and optimizing data warehouse management.

Results

erwin Data Vault Automation has helped this pharma customer automate the complete lifecycle – accelerating dev while increasing consistency, simplicity and flexibility – to save considerable time and money.

Solution

- Saved an estimated 70% of the costs of manual development
- Generated 95% of the production code with “zero touch,” improving the time to business value and significantly reduced costly re-work associated with error-prone manual processes
- Increased data integrity, including for new requirements and use cases regardless of changes to the warehouse structure because legacy source data doesn’t degrade
- Created a sustainable approach to Data Vault deployment, ensuring the agile, adaptable and timely delivery of actionable insights to the business in a well-governed facility for regulatory compliance, including full transparency and ease of auditability

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