

erwin® Data Vault Automation

SERVICE DESCRIPTION

Data Vault architecture provides an agile and adaptable approach for complex and rapidly fluctuating data aggregation and analysis platforms. However, many organizations struggle with the complexity and overhead. erwin can help by automating the manual processes associated with designing, deploying and maintaining Data Vaults. We use smart data connectors to accelerate project delivery while reducing risks and costs.

KEY BENEFITS/RESULTS

- Centralize the specification and deployment of Data Vault architectures for better control and visibility of the SDLC, resulting in implementations that are on time, on budget and on target
- Standardize Data Vault architectures to ensure maximum adaptability and reuse of Data Vault constructs for faster time to market and the seamless adoption of new and emerging requirements
- Build and manage Data Vault deployments in the context of the erwin Data Catalog (erwin DC), which is metadata-driven to ensure tight integration with data governance and intelligence initiatives
- Automate the rendering of data lineage with traceability from the marts back to the operational data to speed the investigation of issues, analyze the impact of changes, and ensure regulatory compliance and ease of auditability

KEY FEATURES

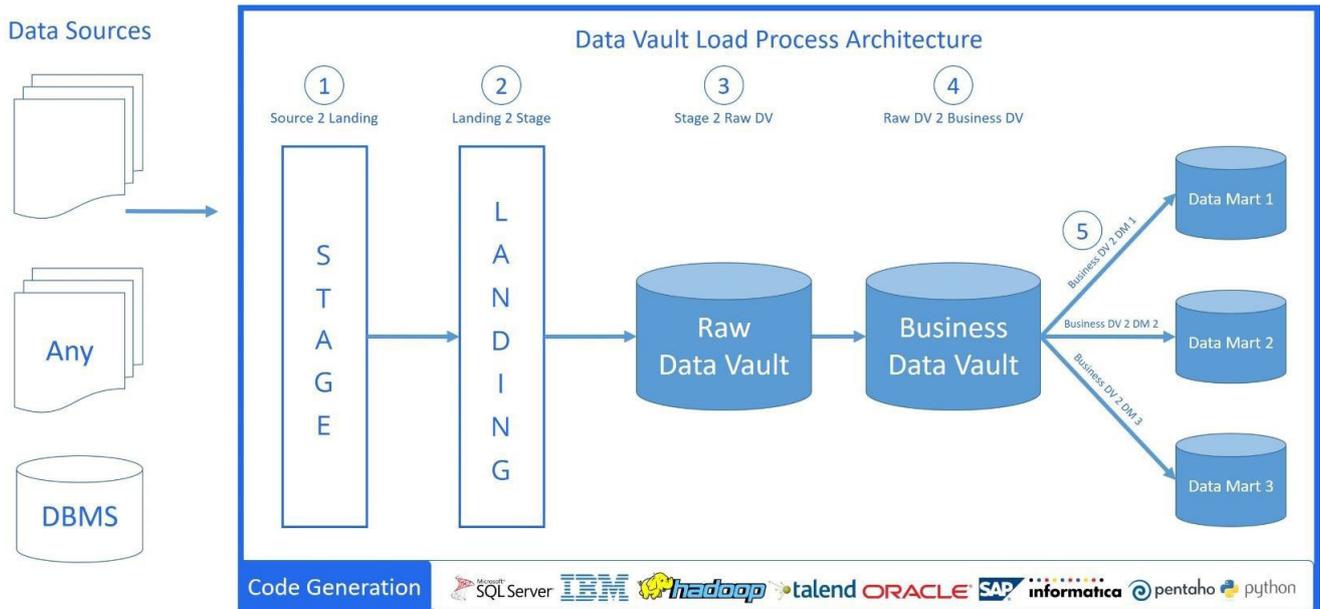
- Automatic generation of Data Vault metadata, DDL and source-to-target mappings
- Data lineage rendering and analysis across complex data eco-systems
- Auto-generated Data Vault ETL/ELT code from Data Vault mappings
- Solutions for Raw Vault, Business Vault and Information Marts
- Universal code generation for any ETL/ELT tool with an SDK
- ELT-tool optimization parameters, such as partitioning and parallelization
- Custom implementations to adhere to specific use cases
- Flexible implementation assessment and deployment services

APPROACH

Our Data Vault smart data connectors eliminate the need for a business analyst and ETL developer to repeat mundane tasks, so they can focus on business-critical initiatives.

Because the underlying metadata and mappings have been ingested into erwin DC, the smart data connectors automatically generate massive amounts of ETL\ELT processes. This saves considerable time and development effort because of the high level of standardization and reuse.

If required, we can provide flexible automation around staging the source environment for any data source by generating the stage DDL, metadata, mappings and ETL in accordance with Data Vault best practices.



Harness the power of the Data Vault with efficient and cost-effective metadata-driven automation.

DELIVERABLES

- Data Vault Hub, Link and Satellite code generation
- Business vault Point-in-Time and Bridge tables
- Information Mart tables or views (Dimensions and Facts)
- Data Vault mappings in erwin DC
- Forward and reverse lineage
- Data Vault test cases

DURATION

The duration of this service is based on the scope of customer requirements.

For more information, please visit www.erwin.com.

As the data governance company, erwin provides enterprise modeling, data cataloging and data literacy software to help customers discover, understand, govern and socialize their data to mitigate risks and realize results. The erwin EDGE platform facilitates IT and business collaboration in driving actionable insights, agile innovation, risk management and business transformation. We help government agencies, financial institutions, healthcare companies and other enterprises around the world unlock their potential by maximizing the security, quality and value of their data assets.