

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 organisations 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/FEATURES

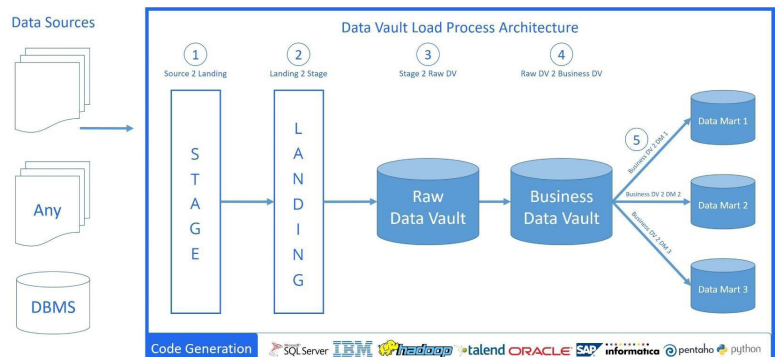
- Automatic generation of Data Vault metadata, DDL and source-to-target mappings
- Centralise and standardise the specification and deployment of architectures
- Data lineage rendering and analysis across complex data eco-systems
- Auto-generated Data Vault ETL/ELT code from Data Vault mappings
- Solutions for Raw Vault, Business Vault and Information Marts
- Universal code generation for any ETL/ELT tool with an SDK
- ELT-tool optimisation parameters, such as partitioning and parallelisation
- Custom and flexible implementations to adhere to specific use cases

APPROACH

Our Data Vault smart 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 connectors automatically generate massive amounts of ETL\ELT processes that align with Linstedt’s Data Vault methodology. This saves considerable time and development effort because of the high level of standardisation 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.

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



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