BIO-PHARMA SUPPLY CHAIN
REFERENCE ARCHITECTURE

DESCRIPTION

1. Source data from various supply chain data sources such as CRM, ERP, Vendor Management and Transportation Management.
2. Snowpipe automates ingestion and loading of those datasets into raw base tables.
3. Snowpark for python, Streams and Tasks cleanses, curates and normalizes data.
4. Curated and harmonized supply chain data is stored as core data products.
5. Snowpark python, Stored procedures perform analytic aggregations and generate features and metrics.
6. Snowpark for python SPs and optimized virtual warehouses are used to train ML models and models are deployed as UDF for inference.
7. External BI/ML tool integrate with Snowflake for seamless experience.
8. Snowflake outbound data shares are created for data sharing with trading partners.
9. Key Supporting Snowflake Functions for HEDIS application.
10. Various supply chain business insights are generated to deliver business outcomes in supply chain

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