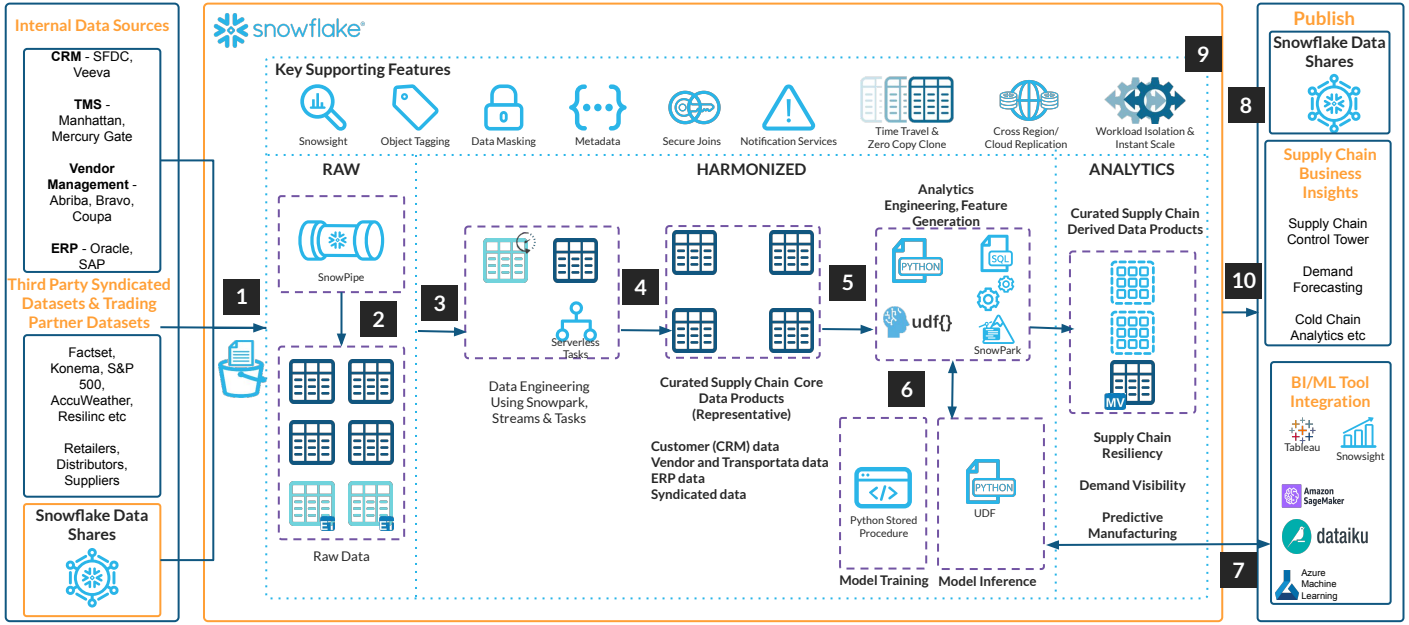
BIO-PHARMA SUPPLY CHAIN
REFERENCE ARCHITECTURE



OBJECTIVE

Snowflake's scalable, highly performant and reliable data platform with end to end data analytics capabilities helps you to seamlessly integrate supply chain data and generate meaningful insights.

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 normalize 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 model 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

RELATED CONTENT

Webinar: Building Pharmaceutical Supply Chain Visibility and Resiliency With Snowpark and Streamlit
Blog: Supply Chain Insight using Snowflake Marketplace and Streamlit
Blog: Demystifying the Pharma Demand Forecasting & Supply chain using Snowpark ML & Snowflake

Snowflake Inc. All Rights Reserved