Data Warehouse Migration to Azure Databricks and Azure Synapse from On-prem SQL Server

Microsoft
Solutions Partner

Timeline

Implementation typically takes 6-10 weeks for initial setup and configuration, followed by the migration process, which varies based on the size and complexity of the data warehouse workload being migrated.

Overview

Our comprehensive solution meticulously transitions your on-prem SQL Server data warehouse to Azure Synapse Analytics and Azure Databricks. This migration optimizes data processing and analytics workflows within a secure, scalable cloud environment. Azure Synapse merges big data and data warehousing while Azure Databricks introduces collaborative data science capabilities. Together, they form a robust platform for data exploration, BI, and AI applications.

Deliverables

- Evaluation of data warehouse workloads to determine migration readiness, identify dependencies, and assess compatibility with synapse and Databricks.

- Tailored strategy for transitioning to Azure services.

- Documentation of data warehouse Objects including tables, views, stored procedures, ETL packages and other artifacts to be migrated.

- Comprehensive monitoring and validation of the migration process.

- Provide documentation and knowledge transfer sessions to enable your team to effectively manage.

Key Features

✦ **Seamless Integration**

Smooth transition with minimal downtime and automatic scaling to meet business needs.

✦ **Enhanced Analytics**

Utilize Azure Synapse for querying and Azure Databricks for machine learning to drive insights.

✦ **Security and Compliance**

State-of-the-art encryption mechanisms alongside role-based access control, guaranteeing data protection and regulatory compliance.

✦ **Cost-Efficiency**

Optimize operational costs with a pay-as-you-go pricing model reducing Capex expenditure.

✦ **Streamlined Collaboration**

Unified workspace enhances productivity between analysts, data scientists, and engineers.

Next Steps

✦ Initial Consultation - Align business objectives with migration benefits.

✦ Infrastructure Assessment - Evaluate the existing setup and prepare the migration roadmap.