Synapse Lightning –

Simplifies and accelerates the migration of

Azure data services into Synapse Analytics

Welcome to possible

Synapse Lightning provides you the tools, utilities that is needed to successfully migrate your On-Premise/Azure Data services to Synapse Analytics.

Features

- Automated swift migration of large-scale data factory pipelines to synapse pipelines
- Common Data Lake for raw data management
- Multi-enterprise data integration
- Automated swift migration of large-scale Azure Databricks scripts to Azure Synapse – Spark Pool.
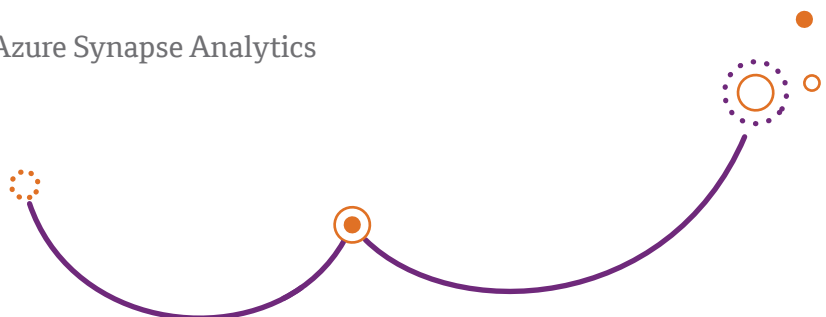
Customer Challenges

- Deriving meaningful insights from data and converting knowledge into action
- Accelerating speed to discover and validating industry-specific business problems
- Simplifying technological complexity leveraging Azure Data Services and Databricks
- High TCO for usage of Azure Databricks and Azure Data Services
- Building self-learning models targeted to specific use cases and implementing swiftly to build the management's confidence in investing to gain scale
- Capturing a wide variety of data with ease while facilitating real-time, large-scale data processing and analysis

Tools and Technologies

- Data Orchestration: Synapse Data integration
- Data Lake: Azure Data Lake Storage
- Data Catalogue: Azure Data Catalogue
- Data warehouse: Azure Synapse – SQL Pools/Serverless Pools
- Streaming: Apache Kafka
- Batch: Spark ETL
- ML & Ops: Azure ML Services
- Big Data Environment: Azure Synapse Analytics

Our Offerings

Accelerator to ease the migration for small, medium and large-scale Azure Synapse analytics transformation

Challenges

Data factory pipelines
Medium and large scale ADF pipeline migration to Synapse Analytics is cumbersome

Databricks scripts
Migration complexity of Azure Databricks scripts to Azure Synapse – spark pool

Delta Lake Migration
Bulk migration and conversion of Parquet files to Delta lake

EDW migration & modernization
Complexity on migrating from On-Premise/Azure SQL DW to Azure Synapse SQL Pool or Serverless pool

Our offerings

ADF to Synapse Pipelines
- Lift and shift migration
- Azure DevOps integration
- Logging, monitoring and exception handling

ADB to Spark Pool
- Lift and shift migration
- Notebook chaining
- Azure DevOps integration
- Logging & exception handling

Delta Migrate
- Lift and shift migration
- Notebook chaining
- Azure DevOps integration
- Logging & exception handling

Synapse Pathway
- Lift and shift migration of On-Prem/Azure SQL DW to Azure Synapse SQL dedicated pools or Serverless pools
- Lift and shift migration of cosmosdb to Azure Synapse SQL
- Azure DevOps integration
- Logging & exception handling
- Automated Reconcilation testing

Benefits

Reduce Cost: **30%**

Efficiency: **50%**

Benefits

- Accelerator to ease the migration for small, medium, and large-scale **Azure Synapse analytics transformation**

- **Data factory Pipelines:** Medium and large-scale ADF pipeline migration to Synapse Analytics is cumbersome. Easily lift and shift to Synapse data integration at scale.

- **Azure Databricks scripts:** Migration complexity of Azure Databricks scripts to Azure Synapse – Spark Pool. Lift and shift migration at scale to Synapse Spark Pool, Notebook Chaining, Azure DevOps integration, logging and exception handling.

- **Delta Lake Migration:** Bulk migration and conversion of Parquet files to Delta Lake.

- **Reduced costs** by **30%** and **efficiency improvements** by **50%.**

About Mindtree

Mindtree [NSE: MINDTREE] is a global technology consulting and services company that enables enterprises across industries to drive superior competitive advantage, customer experiences and business outcomes by harnessing digital and cloud technologies. A digital transformation partner to more than 260 of the world's most pioneering enterprises, Mindtree brings extensive domain, technology and consulting expertise to help reimagine business models, accelerate innovation and maximize growth. As a socially and environmentally responsible business, Mindtree is focused on growth as well as sustainability in building long-term stakeholder value. Powered by more than 31,900 talented and entrepreneurial professionals across 24 countries, Mindtree — a Larsen & Toubro Group company — is consistently recognized among the best places to work.

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