Canvas Sunshine

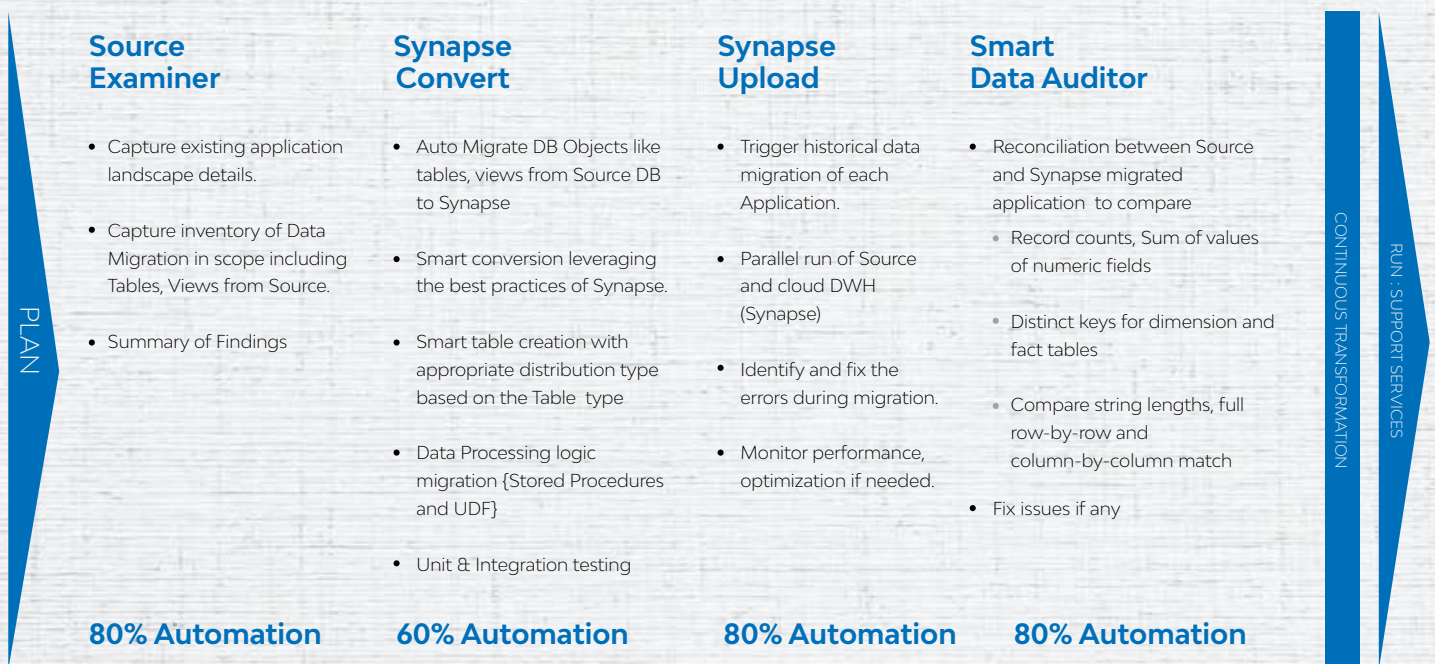# Accelerating Data-driven cloud transformation on Azure Synapse Analytics

Data modernization is a critical aspect of digital transformation initiatives that organizations are embarking upon. Today, more than ever, organizations are producing and consuming diverse datasets and data volumes at a rate that current legacy data warehouse and on-premise systems simply cannot scale to handle. However, Migrating can be complex and challenging and leads to delays, high costs, and failures.

Our Intelligent Cloud Migration Accelerator for Azure addresses the core challenges of migrating legacy data solutions.

Canvas Sunshine reduces the overall manual efforts required to move from on-premises to the cloud, by making your data migration journey timely, predictable and cost-effective

PLAN

Source Examiner

- Capture existing application landscape details.

- Capture inventory of Data Migration in scope including Tables, Views from Source.

- Summary of Findings

80% Automation

Synapse Convert

- Auto Migrate DB Objects like tables, views from Source DB to Synapse

- Smart conversion leveraging the best practices of Synapse.

- Smart table creation with appropriate distribution type based on the Table type

- Data Processing logic migration {Stored Procedures and UDF}

- Unit & Integration testing

60% Automation

Synapse Upload

- Trigger historical data migration of each Application.

- Parallel run of Source and cloud DWH (Synapse)

- Identify and fix the errors during migration.

- Monitor performance, optimization if needed.

80% Automation

Smart Data Auditor

- Reconciliation between Source and Synapse migrated application to compare
  - Record counts, Sum of values of numeric fields
  - Distinct keys for dimension and fact tables
  - Compare string lengths, full row-by-row and column-by-column match
- Fix issues if any

80% Automation

CONTINUOUS TRANSFORMATION

RUN : SUPPORT SERVICES

Note

· Accelerators are available from Teradata/SAP HANA/Vertica to Azure Synapse and also from Teradata/SAP HANA/SQL server to Snowflake.
· Additional accelerators from other DBS cab be built as needed.

Key Benefits

- Support for Object, Data and scripts migration leveraging best practices of Synapse.

- 3+ On-premise appliance conversion supported

- Automation to improve accuracy and reduce manual processes.

- Accelerate time-to- value.

- Reduce time for data reconciliation and improve data accuracy

Value proposition

60 to 70%	**45-50%**	**30%**	**100%**	**Enhanced**
Reduction	Faster	Savings	no compromise	UX

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