

SSIS Modernization to Azure Databricks

6-Week Pilot Offering



Various Modules of Sunshine – SSIS Takeout

Analyzer

Automatically Scans all the SSIS packages



- Inventory of Activities
- Sequence of activities
- Dependency analysis
- Complexity Analysis
- Meta Data extraction
- Automation possibilities
- Extensive Technical Specification

90%

Code Convert

Leverages Multiple Agents specialized for SSIS package conversion, modularized into Azure Databricks PySpark functions.



- Azure Databricks optimized PySpark Notebooks

70%

Deploy and Feedback

Enables direct deployment of converted PySpark files to the target environment, with support for providing feedback to the converted code.



- Converted PySpark files are deployed as notebooks to the target Azure Databricks environment.
- Human in loop is required to edit , Run the code and validate
- User feedback on the converted code is captured for future reference or enhancement.

30%

Output

Automation

Modernization to Azure Databricks – Pilot Offering

Modernize SSIS packages and ETL workloads to a unified data platform on Azure Databricks

- Lower cost of maintenance & ownership
- Unified analytics platform with support for entire data lifecycle
- Built-in intelligence, Unified Governance, AI/ML and AI/BI to accelerate time to business insights
- Open platform that supports multi-cloud

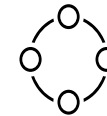
Pilot timeline

6 Weeks

Implementation Approach



Discovery & Assessment (1 Wk)
Tool driven assessment of existing CFT, DFT packages & Dependencies



Migration planning (1 wk)
effort estimation, identify blockers & target state architecture plan



Code Conversion & Sample Implementation (4 Wks)
Auto-generate equivalents for selected packages through utility & Validate performance and logic consistency

Deliverables



Ready-to-scale setup for broader migration



Performance benchmark & success criteria evaluation



An implemented and tested minimum viable product with proven acceleration through our utility



Tool-driven assessment of the current landscape and migration effort for the target-state architecture

Key Assumptions & Pre-requisites

- **Connectivity to source systems** for data ingestion & migration needs to be provided by the client
- **Final use case and scope for modernization will be discussed and agreed upon** prior to signing of contract
- Required business and information security approvals, and **allocation of SME/s** for use case understanding & discovery prior to project start

The background features several overlapping, flowing shapes in a vibrant red color. These shapes have a grainy, stippled texture, giving them a sense of movement and depth. The shapes originate from the left side of the frame and sweep across towards the right, creating a dynamic and modern aesthetic. The overall composition is clean and minimalist, with the red elements standing out against the plain white background.

Thankyou