**SDK**

# Microsoft Fabric:
# Rapid Pilot Implementation
# – 3 weeks

## SDK Tek Services Ltd.

Our pilot program will assess Fabric's innovative features and determine how your company can benefit from them. We will work together with you to integrate and import your data, and to give you a comprehensive overview of Fabric's general capabilities and how they can be applied to your organization.

Microsoft Fabric is tightly integrated with other Microsoft solutions allowing it to significantly simplify the experience of ingesting, transforming, and presenting data.

- **Simplified Platform Management:** Fabric can simplify resource management by consolidating the components of an end-to-end solution into a single platform, reducing the need for multiple data management tools. The SaaS model used within Fabric automates the integration of different tools and each component lets data be easily shared without complex integration, configuration, and setup. Fabric offers flexible scalability to meet your business's growing needs.

- **Supports One Version of the Truth:** Data can be shared throughout the analytics platform without the need for duplicating data sources. OneLake shortcuts allow us to ingest the data only once for access by the whole business. Fabric also extends to integrating external storage locations from both Microsoft and other analytics platforms.

- **Flexible Storage Options:** Lakehouse storage leans more towards data engineers with a Python background, while Data Warehouse is a better fit for developers focused on SQL. Regardless, all the data in Fabric is stored in OneLake and is standardized so that it can be easily moved between storage types without the need for complex conversions.

- **Self-Serve Analytics:** Business users can build data models and reports using a combination of centralized and decentralized sources, and this is accomplished with a simple and intuitive user interface. With this self-serve model, organizations can gather insights faster, and leverage low code options to work side by side with high code options so that data can be delivered with the same orchestration tools.

- **Source Control Integration and Automated Deployments:** Fabric's source control and Deployment Pipelines are an integral piece for managing datasets and reporting. This feature allows teams to come together collaboratively while maintaining stability across different environments. Deployment within Fabric can be done using Deployment Pipelines, allowing for consistency and governance in the process. Manual effort is not required as the deployment process can be performed with an intuitive user interface.

# 3 Week Pilot Program Agenda

## Prerequisites

Single data source for Pilot identified and access provisioned in advance - I.e. Azure SQL Database
Business requirements and business rules defined

## Week 1

**Planning**
- Profile data source (up to 10 tables)
- Design data model for 5 dimension and 1 Fact table (not including date)

**Administration/Setup**
- Create workspaces
- Create fabric objects (Lakehouse, Warehouse)

**Security**
- Review security model
- Set up data access
- Set up secrets in Azure Portal

**Ingestion**
- Set up pre-built orchestration templates in Fabric (Job Manager Lite)
- Configure and unit test bronze and silver templates
- Create Configuration files
- Load data into bronze and silver

## Week 2

**Ingestion**
- Load Dimension tables from Silver
- Load Fact Tables from Silver
- End To End Testing of data load

**Reporting**
- Configure direct lake dataset
- Add measures
- Prepare for report use

## Week 3

**Reporting**
- Build Report on top of direct lake

**UAT**
- Continued end to end testing

**SME testing**
- Knowledge Transfer
- Walk support team through solution
- Documentation on solution