



Microsoft Fabric Modernize Your Data Warehouse Proof of Concept

Modernizing your data warehouse with Microsoft Fabric enables you to experience the power of a fully managed SaaS platform with integrated AI, delivering faster insights, reduced complexity, and a future-ready data foundation.

HIGHLIGHTS

- **AI-Enhanced Development:** Accelerate pipeline creation and transformation with built-in Copilot and intelligent automation tools.
- **SaaS Simplicity:** Eliminate infrastructure management with a fully managed, scalable platform that reduces operational overhead.
- **Unified Data Experience:** Centralize engineering, integration, and analytics in one workspace with OneLake.

ABOUT DAYMARK

Daymark Solutions excels in creating sophisticated technology solutions, specializing in addressing complex business challenges through expertly designed systems. Their highly skilled architects are adept at crafting well architected solutions that seamlessly integrate cloud and data center technologies. By combining these technologies, they create robust, scalable and secure systems tailored to meet their clients' unique needs.

OVERVIEW:

This Proof of Concept (PoC) is designed to help organizations explore the latest in enterprise data platform innovation by modernizing a portion of their existing data warehouse using Microsoft Fabric. Whether using the Fabric Warehouse or Fabric Lakehouse, depending on analytical and architectural needs, the PoC will copy a representative set of data into Fabric to give the client a hands-on experience with the platform's powerful SaaS capabilities and AI-driven features.

Microsoft Fabric represents a new era in data platform design—offering a fully managed, end-to-end SaaS solution that eliminates the need for traditional infrastructure management. With native support for advanced analytics, governance, and Power BI integration, Fabric simplifies data operations while increasing flexibility and scalability. More importantly, the platform brings AI to the forefront, enabling users to accelerate tasks such as query generation, data transformation, and insight discovery through Copilot and other intelligent services.

By participating in this PoC, clients can evaluate firsthand how Fabric streamlines data workflows, reduces operational complexity, and opens up new possibilities with AI-enhanced performance, collaboration, and speed-to-insight. This is an opportunity to explore the latest and greatest from Microsoft's data ecosystem and understand how a modern, unified data platform can unlock future scalability and agility without the traditional overhead.

At the end of the implementation, stakeholders will walk away with a working Fabric environment, a migrated subset of their warehouse data, and a clear sense of how the platform fits into their modernization strategy—equipped with the tools and knowledge to take the next step confidently.

LEARNING OBJECTIVES

At the end of the implementation, participants will:

- Gain hands-on experience with Fabric Warehouse and Lakehouse, and know when to use each based on workload needs.
- Explore AI-powered features like Copilot to accelerate querying, transformation, and analysis.
- Evaluate the performance, simplicity, and scalability improvements compared to traditional data warehouse environments.
- Understand how to operate a modern data warehouse using Microsoft Fabric's SaaS platform.

AGENDA

Workstream 1: Plan & Architect Modernized Data Warehouse

Objective: Gain access to the existing data warehouse, define technical requirements, and align on success criteria for the modernization effort.

Activities:

- Obtain appropriate access to the existing data warehouse with permissions to inspect schema and extract data.
- Review current data warehouse structure, including tables, relationships, and key workloads.
- Identify critical data sets and use cases to include in the Proof of Concept.
- Define success criteria focused on performance, usability, and AI-driven enhancements.
- Determine whether Fabric Warehouse or Fabric Lakehouse is best suited for the client's environment and goals.
- Document the planned architecture and data flow for the Fabric implementation.

Workstream 2: Migrate & Showcase Modernized Data Warehouse

Objective: Execute the data migration into Microsoft Fabric, validate success, and demonstrate the platform's capabilities to key stakeholders.

Activities:

- Copy selected data sets from the legacy warehouse into Microsoft Fabric using Warehouse or Lakehouse tools.
- Validate data completeness, integrity, and performance of queries in the new environment.
- Explore AI capabilities such as Copilot to accelerate query creation and insight generation.
- Prepare a comparison report outlining differences in functionality, user experience, and operational efficiency.
- Deliver a walk-through or live demo to showcase the modernized warehouse and demonstrate value to stakeholders.

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