

Fabric in 45 + LOOM Case-Study

Health Data System Modernization

Problem:

The device manufacturer created an internal application called the Health Data System (HDS). Despite its past support for critical data transfer, **HDS now faces significant challenges that must be resolved to improve data integration, management, and analytics**. The client aimed to implement a modern platform for seamless data transfer between their backend health analytics system and various operational systems while enhancing capabilities

Approach & Solution:

Microsoft Fabric was chosen as the foundation for a new HDS Gen2 system. It, along with **LOOM**, **effectively consolidated various databases through virtualization and traditional integration**, providing a unified source of truth crucial for enterprise reporting and analytics. This solution utilized Microsoft Fabric's integrated ecosystem and Starburst's efficient querying, **leading to a robust and adaptable data strategy**. The implementation of the LOOM architecture by Spyglass improved data sourcing, governance, and access management, integrating smoothly into their data strategy. **LOOM enabled the integration of data from all core systems within days.**

Business Value:

- **With LOOM**, we achieved seamless data interoperability across enterprise solutions using Microsoft Fabric.
- **Fabric and LOOM** emerged as the preferred platform over Snowflake on AWS, Starburst, and Tableau for the current enterprise data strategy.
- **Fabric and LOOM** are pioneering the first approved use of Fabric at a client, significantly reducing the effort needed to source data into the new system from months to days.