Spyglass Fabric LOOM

Simplifying Data Pipelines for Enhanced AI and Analytics Solutions

The Challenge

Data ingestion and pipeline building are crucial for data-driven organizations, but they come with challenges like ensuring data quality, handling complex data sources, integrating multiple processing steps, scaling pipelines, and ensuring data security. Developers face difficulties in coordinating data flow, managing dependencies, and handling errors when building data pipelines.
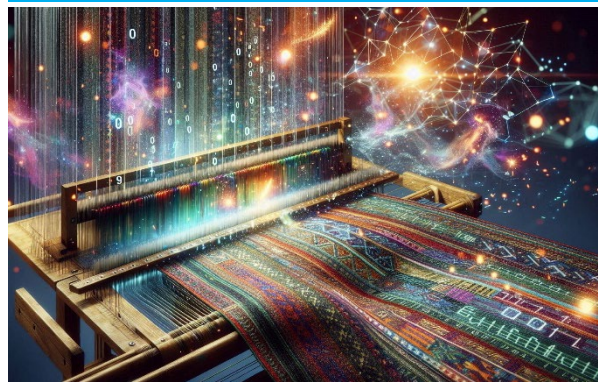
The Solution

Introducing Spyglass Fabric **LOOM** (**L**arge-Scale **O**ptimized **O**rchestration **M**odel), a pre-built solution accelerator that utilizes Microsoft Fabric to handle the infrastructure, provisioning, orchestration, and governance of data pipelines. Like a loom weaving thread, Fabric LOOM weaves data and automates best practices for data processing within the Medallion data architecture. With Fabric LOOM, Spyglass can help you efficiently build, deploy, and manage data pipelines that adhere to Medallion standards, ensuring data quality, lineage, security, and compliance throughout the data lifecycle.

By utilizing LOOM in your data project, you can:

- Simplify data pipeline orchestration with multiple stages like ingestion, cleansing, validation, transformation, enrichment, aggregation, and visualization
- Customize stages using templates, parameters, or custom code as plug-ins
- Quickly onboard new data sources within minutes
- Monitor and troubleshoot pipelines with built-in dashboards, alerts, and visibility into data flow, performance, errors, and recovery
- Benefit from Microsoft Fabric's tenant-level baseline for scalability, reliability, and security

The Benefits

- Simplifies and automates the entire data lifecycle
- User-friendly interface with drag-and-drop functionality
- Access to a rich library of pre-built connectors, transformations, and templates
- Accelerates delivery of data-driven solutions
- Ensures data pipeline quality, reliability, security, and compliance
- Reduces costs, risks, and complexity
- Enables faster data insights and actions

Spyglass MTG Can Help!

We can help you simplify data pipelines for enhanced AI and analytics solutions. Contact us today!

About Spyglass MTG- A Women Owned/Women Led Company

For over 15 years, we've partnered with Microsoft to expertly deliver their vast and ever-evolving suite of enterprise solutions to clients. Specializing in Data, AI, and Security services on the Microsoft clouds, we can help you select, architect, implement, migrate to, and manage your Microsoft products. With Spyglass as your trusted ally, you can securely harness the power of Microsoft technology to drive strategic business decisions, optimize processes, predict customer behavior, spot market trends, and empower your business to stay ahead in today's competitive landscape.

Infrastructure Azure
Data & AI Azure
Digital & App Innovation Azure
Modern Work
Security