

Evoke Data Accelerator for Microsoft Fabric

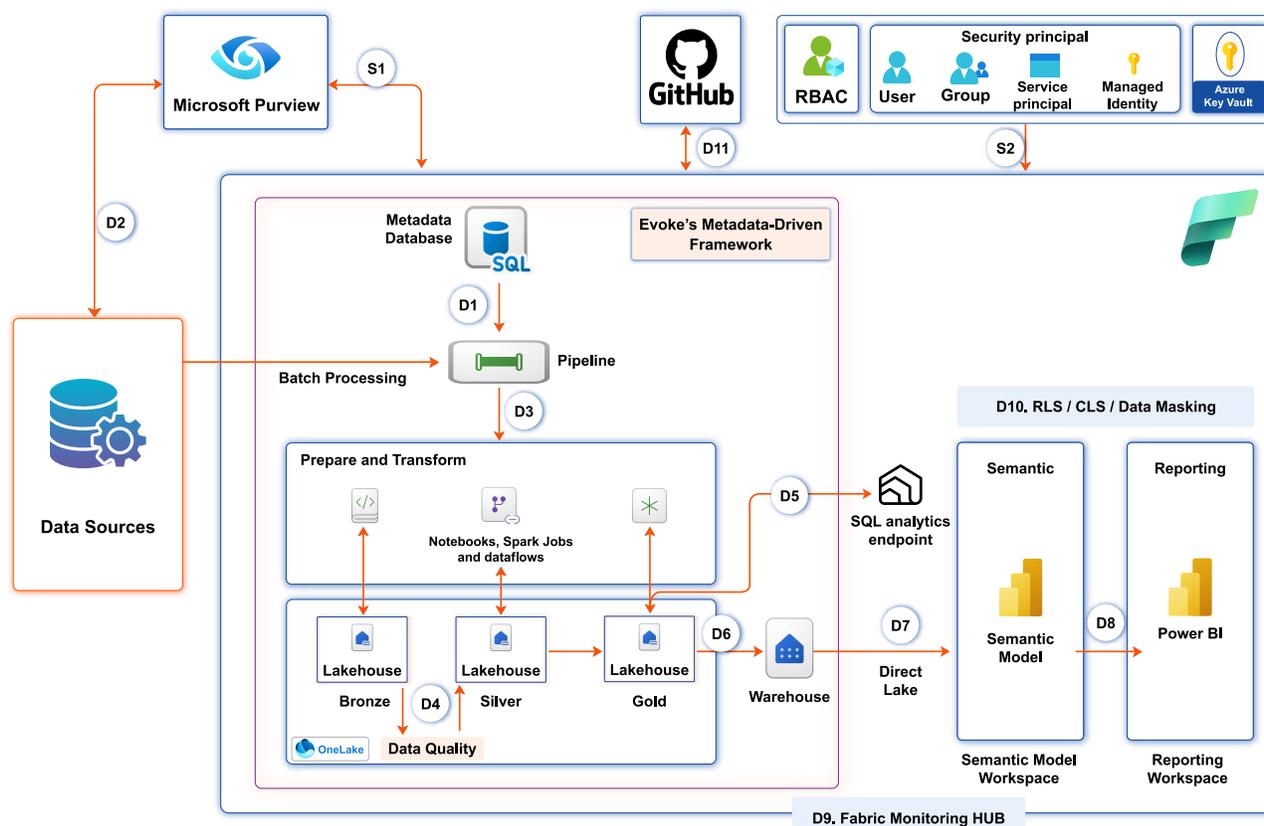
Accelerate Your Data-Driven Transformation with Evoke Technologies



Unify your data ecosystem, eliminate engineering bottlenecks, and deliver trusted insights faster with **Evoke Fabric Data Accelerator**—a **Fabric-native, metadata-driven, AI-augmented platform** designed to modernize and scale enterprise data operations.

Microsoft Fabric provides a single, end-to-end analytics platform covering **data movement, lakehouse, engineering, real-time analytics, and BI**. Evoke extends this power with a comprehensive accelerator that standardizes ingestion, improves data quality, automates testing, and applies AI-powered profiling—**with zero hand-coding**.

Below is the high-level architecture diagram



Why Choose Evoke Fabric Data Accelerator?



Unified, Metadata-Driven Architecture

Replace hard-coded pipelines with configuration-driven orchestration. Update metadata—not code—to ingest new sources, evolve schemas, and automate transformations.



Built-In Quality & Testing Frameworks

Ensure reliability with consistent, reusable validation rules and automated test execution across all data flows—reducing manual effort by up to **70%**.



AI-Powered Data Profiling

Automatically detect anomalies, drift, and quality risks using intelligent insights and AI-driven recommendations.



Accelerated Time-to-Insight

Onboard data **30–50% faster** using metadata-driven ingestion, reusable assets, and automated pipelines.



Enterprise-Grade Governance & Standardization

Standardize the entire data lifecycle—from ingestion to analytics—improving trust, transparency, and operational efficiency.

Best Suited for Organizations That Aim To:

- ❖ Modernize or migrate to **Microsoft Fabric**
- ❖ Reduce long-term data engineering and operational costs
- ❖ Reduce dependency on hard-coded pipelines
- ❖ Build a scalable, automation-driven data platform
- ❖ Improve data quality and reliability
- ❖ Accelerate analytics, AI/ML, and reporting initiatives
- ❖ Move from reactive data management to **proactive intelligence**

Key Frameworks

1. Metadata Framework

Orchestrate ingestion & transformation via configuration, not code.

- ❖ Central Metadata store drives ingestion and schema evolution
 - ❖ Reusable ingestion & transformation logic
- Eliminates pipeline rewrites for every schema/source change

Outcome: 30–50% faster onboarding; greater stability and scalability

2. Data Quality Framework

Quality by design—consistent, rule-driven validation across sources.

- ❖ Reusable business rules and quality checks
- ❖ Automatic application across ingestion & transformation stages

Outcome: More reliable, analytics-ready data

3. Test Automation Framework

Zero-code automated data testing for trust and compliance.

- ❖ UI-based test creation (no SQL required)
- ❖ Source-to-target validation & reconciliation
- ❖ Schema comparison and record-level checks
- ❖ Centralized logging and audit-ready reports

Outcome: Up to 70% reduction in manual testing effort

4. AI-Driven Data Profiling

Intelligent anomaly detection for proactive data governance.

- ❖ Pattern recognition, drift monitoring, anomaly detection
- ❖ AI-recommended validation rules

Outcome: Early risk identification & continuous data reliability

What's Included in the Data Accelerator

Discovery & Value Alignment

- ❖ Evaluate priority business use cases and define value-driven outcomes
- ❖ Assess current data architecture and governance readiness
- ❖ Identify gaps and prepare for Microsoft Fabric modernization

Solution Architecture & Foundation Setup

- ❖ Establish a secure, scalable data platform on Microsoft Fabric
- ❖ Implement metadata-driven ingestion and transformation framework
- ❖ Build and deploy reusable, business-ready data models for analytics

| # | Category | Task Description | Duration |
|--------------|-----------------------------|---|------------------|
| 01 | Environment Setup | Workspace creation, Lakehouse setup, access & security configuration | 1 week |
| 02 | Metadata-Driven Framework | Medallion Architecture (Bronze/Silver/Gold), metadata tables, reusable pipelines, orchestration setup | 2 week |
| 03 | Data Quality Framework | Data cleansing rules, validation framework, quality checks | 2-3 week |
| 04 | Test Automation Framework | Setup automated testing for pipelines, notebooks, and data validation | |
| 05 | AI-Data Profiling Framework | Setup AI-driven profiling for data insights and anomaly detection | |
| Total | | | 5-6 Weeks |

Implementation & Capability Enablement

- ❖ Conduct workshops on the Data Accelerator architecture and capabilities
- ❖ Provide hands-on training and ongoing support to enable internal teams
- ❖ Provide structured knowledge transfer and operational handover

Delivery Timeline

- ❖ 5-6 Weeks

Quantifiable Impact

Deliver Results Faster

- ❖ 30–50% faster onboarding
- ❖ 70% reduction in manual engineering/testing

Lower Costs, Higher ROI

- ❖ Up to **20% immediate savings** in data preparation costs
- ❖ **20% increased ROI** vs. traditional ETL platforms

Proven Industry Success

A leading manufacturing client achieved:

- ❖ Faster time-to-insight
- ❖ Higher trust and reliability in analytics
- ❖ Reduced manual validation and operational effort
- ❖ Proactive issue detection through AI-driven profiling
- ❖ Standardized and governed data across systems
- ❖ Accelerated onboarding of new data sources
- ❖ Lower deployment risk through automation
- ❖ Reduced long-term data engineering costs
- ❖ Scalable, future-ready Microsoft Fabric architecture

Use Cases

Enterprise Data Modernization

- ❖ Migrate from legacy platforms (Synapse, Hadoop, on-prem ETL) to Microsoft Fabric.

Real-Time Operational Intelligence

- ❖ Monitor events, detect anomalies, and optimize operational KPIs.

Advanced Analytics & AI Readiness

- ❖ Accelerate ML model development with clean, standardized, ready-to-use data.

Data Governance & Compliance Automation

- ❖ Consistent validation, audit trails, and automated test suites.

Transform Your Data Engineering—from Reactive to Intelligent

Evoke Fabric Data Accelerator is more than a tool—it's a strategic enabler that turns data engineering into a competitive advantage.

About Us

Evoke is a leading technology and consulting services provider that caters to clients across North America, Europe, and APAC. We offer innovative, robust, and scalable solutions using cutting-edge technologies like AI/ML, Data Engineering, Cloud, Low-code, and Automation. We operate through 8 Centers of Excellence (CoEs) and serve our customers across 11 industries.

Contact Us

- 🌐 www.evoketechnologies.com
- ✉ mktg@evoketechnologies.com

USA | INDIA | POLAND | AUSTRALIA | UK

©Evoke Technologies. All rights reserved.

8
Centers of Excellence

21+
Years in the Industry

150+
Global Customers

CMMI-L3
Certified with HIPAA & GDPR Compliance