

Transition legacy Informatica PowerCenter environments into a governed, AI-ready Microsoft Fabric architecture using KPI Partners' GenAI-driven modernization accelerator.

Why KPI Partners

- Deep Microsoft Fabric, Azure Data & AI expertise
- Proven DataBridge modernization framework
- 100+ enterprise ETL and EDW modernization programs delivered
- Strong Informatica PowerCenter domain knowledge
- GenAI-powered automation with validation guardrails
- Automated reconciliation framework ensuring 100% migration accuracy
- Enterprise-scale delivery model with structured governance

Quick Start

4-Week Fabric Modernization Quick Start

- Complimentary Informatica estate assessment
- Fixed-price Proof of Concept: \$10,000
- Scope: 10 representative mappings
- Automated conversion + reconciliation validation
- Executive-ready migration roadmap for Fabric
- Scope: Convert 10 Mappings (60% simple, 20% medium, and 20% complex) that you select

The Modernization Challenge

Informatica PowerCenter estates built over 10–15 years are complex, tightly coupled, and costly to operate. With end-of-support timelines approaching and IDMC migrations proving expensive and disruptive, organizations are re-evaluating their long-term strategy.

Manual migration to modern cloud platforms introduces risk, re-engineering overhead, and delays AI enablement.

Business Risks

- Rising Informatica licensing and extended support costs
- 12–24-month manual rewrite timelines
- Expensive and complex migration to Informatica IDMC
- Risk of lock-in when shifting to Informatica Cloud (IDMC)
- Lack of support from Informatica for the end of support life of the Informatica PowerCenter product.

Informatica Support Guide

- Risk of data quality regression during migration
- Lack of AI-ready architecture
- Manual migration lacks validation transparency and performance optimization

KPI Partners' Informatica to Microsoft Fabric Migration Accelerator

A GenAI-powered, metadata-intelligent modernization utility that:

- Analyzes Informatica repositories to generate migration scope and effort estimates
- Extracts mappings, workflows, and dependencies from PowerCenter XML
- Converts transformations into Fabric-native pipelines (Dataflows Gen2, Spark, SQL)
- Generates Lakehouse-aligned Medallion architecture (Bronze, Silver, Gold)
- Deploys orchestration via Fabric pipelines / Azure Data Factory
- Applies automated validation & reconciliation for functional parity
- Produces structured migration dashboards and progress metrics
- Embeds governance aligned to OneLake and Fabric security models

Measurable Business Impact

- 60–80% reduction in migration cost and TCO
- Up to 2x faster execution vs traditional methods
- Up to 95% automation across mapping inventory
- 80% reduction in manual redevelopment effort
- 100% migration accuracy with automated validation
- Full transparency with data-driven progress tracking

Our Approach

Phase 1 — Estate Intelligence & Readiness Assessment

Automated scan of the Informatica estate to assess complexity and dependencies, quantify Fabric migration effort, identify optimization opportunities and provide executive-level business case.

Phase 2 — GenAI-Led Conversion & Fabric Deployment

- Automated conversion into Fabric Dataflows Gen2 / Spark notebooks
- Medallion architecture deployment in OneLake
- Orchestration via Fabric Pipelines or Azure Data Factory
- Embedded reconciliation and regression testing

Phase 3 — Optimization & AI enablement

- Performance tuning within Fabric Lakehouse
- Governance alignment using Fabric security model
- AI enablement using Azure OpenAI & Fabric analytics workloads



Accelerated exit from legacy Informatica environments and transition to a unified Microsoft Fabric platform — reducing cost, lowering risk, and enabling enterprise AI at scale.

Success Story: Informatica Modernization to Microsoft Fabric

Regional Banking Institution

Business Challenge

- Informatica PowerCenter approaching end-of-support timelines, creating urgency to modernize while minimizing operational risk
- Rising licensing and maintenance costs associated with legacy Informatica environments
- Hundreds of tightly coupled ETL mappings with undocumented dependencies
- Pressure to align the enterprise analytics platform with Microsoft Azure and Microsoft Fabric
- Need to modernize without disrupting regulatory reporting and critical business workflows

KPI Solution

- Automated assessment and conversion of Informatica PowerCenter mappings using KPI's migration accelerator
- Deployment of Fabric-native transformations using Dataflows Gen2 and Fabric Lakehouse
- Implementation of Medallion architecture (Bronze, Silver, Gold) within OneLake
- Orchestration of data pipelines through Microsoft Fabric pipelines
- Embedded validation and reconciliation framework to ensure data accuracy during migration

Outcomes

- 60–80% projected reduction in ETL platform cost compared to traditional migration approaches
- Up to 2x faster migration timelines through automation-led execution
- Up to 95% automation across mapping conversion, reducing manual redevelopment effort
- 100% migration accuracy ensured through automated validation and reconciliation guardrails

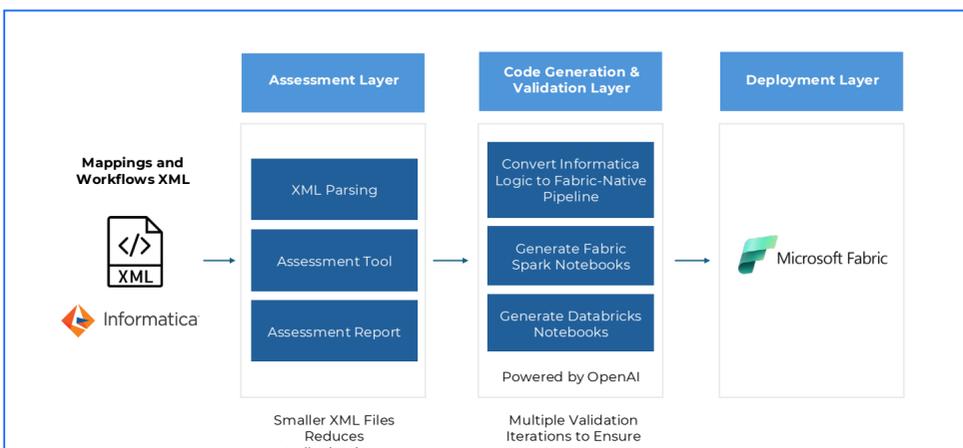


KPI Partners helped us exit our legacy Informatica environment while aligning to Microsoft Fabric. The automation and validation framework gave us confidence to modernize faster without compromising data integrity.

– SVP, Data & Enterprise Analytics

[Access the full case study](#)

Architecture Scope



Target Architecture

Current Environment

- Informatica PowerCenter ETL
- On-prem / hybrid warehouse
- Fragmented orchestration & batch scheduling

Modernized Microsoft Fabric Architecture

- Fabric Lakehouse with OneLake storage
- Bronze/Silver/Gold Medallion framework
- Dataflows Gen2 & Spark processing
- Fabric Pipelines / ADF orchestration
- Power BI semantic models
- Governance aligned to Microsoft Fabric security

Our Alignment with Microsoft Fabric Strategy

- Fabric-native execution using Lakehouse & Dataflows Gen2
- Governance aligned to OneLake and unified security
- Integrated Power BI & semantic model enablement
- Azure OpenAI integration for GenAI-driven automation
- AI-ready modern data architecture
- Reduced data silos with unified Fabric platform

Infrastructure Requirements (For 4 Weeks Fabric Modernization Quick Start)

Microsoft Azure Requirements

- Active Microsoft Azure Subscription
- Azure Data Lake Storage Gen2 (ADLS Gen2)
- Azure Active Directory (RBAC & SSO integration)
- Azure Key Vault (secrets management)
- Azure Virtual Network (VNet injection – enterprise setups)
- Private Link (if secure connectivity required)
- Azure Monitor / Log Analytics (optional – monitoring)
- Microsoft Purview (optional – governance & catalog)
- Azure OpenAI access (optional – for controlled SQL generation in accelerator)

Migration Utility Local Requirements (For Quick Start Execution)

- VM (64 core, 16GB RAM minimum, 256GB storage)
- Windows 11+
- Python 3.10+ with IDE
- Informatica PowerCenter Client access
- Access to Informatica Repository XML exports

KPI's Informatica to Fabric Migration Accelerator

- Fabric-Native Dataflows Gen2 and Spark Transformations
- Fabric Lakehouse Data Architecture (OneLake)
- Bronze / Silver / Gold Medallion Framework
- Enterprise Data Sources Integration
- Fabric Pipelines Orchestration



SCHEDULE A DEMO TODAY!

See how KPI Partners accelerates Informatica modernization with measurable business outcomes on Microsoft Fabric.