

## GenAI-driven automation to transition legacy Informatica PowerCenter into a scalable Databricks Lakehouse.

### Why KPI Partners

- Premier Databricks and Informatica expertise
- Proven DataBridge modernization framework
- 100+ Informatica transformation programs
- Deep Lakehouse, AI, and data engineering capabilities
- GenAI-powered automation with validation guardrails
- 100% migration accuracy through automated validation guardrails
- 24x7 support model for enterprise-scale migration programs

### Quick Start

#### 4-Week Quick Start

- Complimentary assessment & discovery
- Fixed-price PoC: \$10,000
- Scope: Convert 10 Mappings (60% simple, 20% medium, and 20% complex) that you select
- Automation validation before full-scale commitment

### The Modernization Challenge

Informatica PowerCenter environments built over 10–15 years are tightly coupled, transformation-heavy, and expensive to maintain. Manual transition to Databricks introduces timeline risk, redevelopment overhead, and difficulty enabling real-time analytics, ML, and GenAI workloads.

### Risks

- Rising Informatica licensing and infrastructure costs
- 12–24 month manual transition cycles with budget escalation
- Risk of lock-in when shifting to Informatica Cloud (IDMC)
- Undocumented logic and hidden mapping dependencies
- Limited scalability for AI, ML, and event-driven processing
- Delayed realization of Lakehouse-driven ROI
- Manual migration lacks validation transparency and performance optimization

### KPI Partners' Informatica → Databricks Migration Accelerator

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

- Analyzes Informatica repositories to generate migration scope, sequencing, and cost estimates
- Extracts mappings, workflows, and dependencies from Informatica XML
- Reconstructs logic into modular, reusable Databricks-native Spark SQL
- Generates Delta-optimized Silver and Gold layer transformations
- Deploys pipelines into Databricks Workflows, Delta Live Tables, and Lakeflow
- Applies automated validation to ensure functional parity and data integrity
- Includes automated validation framework ensuring 100% migration accuracy
- Provides data-driven progress metrics and optimization recommendations throughout the migration lifecycle

### 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 — Repository Intelligence & Planning

Automated scan of the Informatica estate to assess complexity, dependencies, migration effort, and sequencing — enabling confident executive approval.

#### Phase 2 — GenAI-Led Pipeline Conversion

Automated transformation of Informatica mappings into Databricks-native Spark SQL and Delta Lake pipelines with built-in reconciliation and validation.

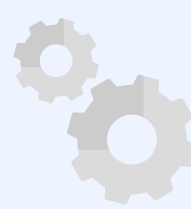


**Strategic Outcome**

**Accelerated modernization, reduced operational risk, lower total cost of ownership, and a future-ready Databricks Lakehouse foundation for analytics, ML, and GenAI.**

### Success Story: HR Analytics Modernization at Scale

- **658+** — Legacy Informatica mappings migrated to Azure Databricks
- **~6 Months** — End-to-end delivery across assessment, migration, and validation
- **Zero** — Reporting disruption during ERP transition
- **100%** — Legacy Informatica environment decommissioned

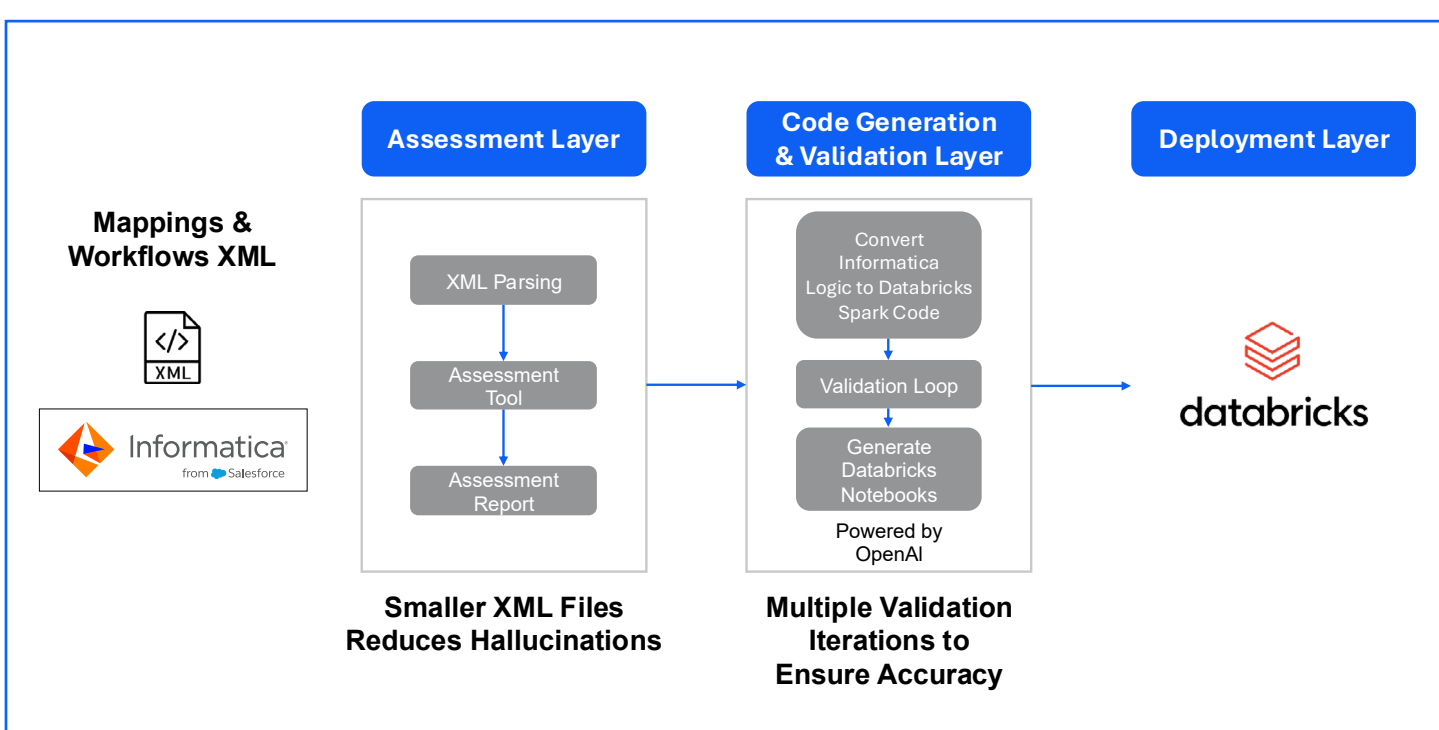


KPI Partners helped us modernize our HR analytics platform while ensuring continuity during our ERP transition. Their structured approach to migrating our Informatica workloads to Databricks enabled us to move away from legacy ETL and establish a more scalable data foundation

- Director, HR Analytics

[Access the full case study](#)

### Architecture Scope



### Target Architecture

#### Current Environment

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

#### Modernized Lakehouse Model

- Databricks with Delta Lake tables
- Lakeflow-powered Bronze ingestion
- Accelerator-generated Silver transformations
- Gold layer consumption for BI, ML, and GenAI
- CI/CD-enabled deployment pipelines
- Databricks-native Spark SQL transformations
- Bronze / Silver / Gold standardization
- Lakeflow-driven orchestration
- Automated validation & reconciliation

### Infrastructure Requirements

(For 2 Weeks Quick Start and Full Migration)

- Azure Databricks Workspace (Premium recommended)
- Databricks Runtime (latest LTS version)
- Unity Catalog (recommended for governance & lineage)
- Delta Lake enabled (Bronze / Silver / Gold architecture)
- Databricks Workflows (pipeline orchestration)
- Delta Live Tables (optional – managed transformations)
- Lakeflow (for ingestion & event-driven processing)
- MLflow (optional – AI/ML enablement)
- Git integration (Azure DevOps or GitHub)
- Access to create clusters and SQL warehouses

#### Migration Accelerator 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

### Our Alignment with Databricks Lakebase

- Unified transactional, analytical, and AI architecture patterns aligned to Lakebase principles
- Modernization of legacy OLTP systems to support real-time analytics and agentic workflows
- AI-ready operational data models with governance-first design
- Embedded GenAI and ML within business processes for real-time decisioning
- Reduced data movement and ETL through simplified, unified Lakehouse architectures



**SCHEDULE A DEMO TODAY!**

See how KPI Partners accelerates modernization with measurable business outcomes.