

Oracle to Databricks

KPI Partners retires legacy Oracle data platforms — **EDW, Autonomous Data Warehouse, Exadata** and their **Informatica / PL/SQL** estates — and re-platforms them onto a governed **Databricks Lakehouse**. Our AI-powered **Data Platform Migration Accelerator** auto-converts 90%+ of SQL/ETL code, while the **KPI Data Validator** reconciles every table source-to-target — delivering **~90% cost savings** and **~85% faster timelines** versus a manual re-write, with minimal business disruption.

134 DATABRICKS-CERTIFIED	50+ UNITY CATALOG BADGES	Silver DATABRICKS PARTNER TIER	DPP DELIVERY PARTNER ELIGIBLE	600+ CONSULTANTS SINCE 2006
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Delivering data modernization & Enterprise AI on the Databricks Lakehouse for **IHG · Thermo Fisher · PepsiCo · AON · Syneos Health · Lam Research · StockX · Rivian · Niagara Bottling**

90%+ of SQL / ETL code auto-converted by the GenAI accelerator	~90% cost savings vs. a manual re-write	~85% reduction in migration timeline
8,000 Informatica mappings converted to Databricks SQL	6 hrs → 40 min batch load time on Databricks vs. legacy Oracle	60% faster month-end reporting after re-platforming

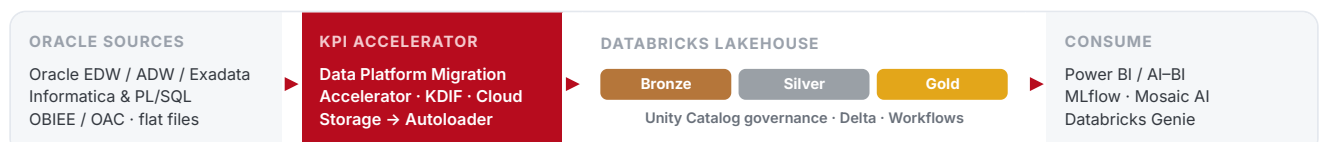
MIGRATION METHODOLOGY

1 Assessment Profile the Oracle source & discover dependencies — KPI Assessment Module	2 Scoping Scope what to migrate & how it fits the Databricks platform	3 Data Migration Objects, data & security — historical + incremental sync	4 Code / Workload ETL/ELT → notebooks; jobs → Databricks Workflows	5 Validation Source-to-target reconciliation via KPI Data Validator	6 Repointing & AI/ML Repoint BI; expose Gold to MLflow & AI/ML workloads
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ACCELERATORS & FRAMEWORKS

Data Platform Migration Accelerator GenAI code & data migration (CodeGPT AI Toolkit) — Oracle, Exadata & ADW	Data Integration Framework (KDIF) Metadata-driven ingestion & PySpark pipeline generation	KPI Data Validator Source-to-target reconciliation, data quality & observability
Infrastructure Optimizer Cluster & cost optimization — FinOps for the Lakehouse	ERP Analytics for Workday on Databricks Prebuilt HR / ERP data products & common models	Unity Catalog Enablement Governance, lineage & security across every domain

REFERENCE ARCHITECTURE — ORACLE TO DATABRICKS LAKEHOUSE





Case Studies — Oracle to Databricks, delivered

Anonymized by industry. Full references available on request.

GLOBAL INSURANCE & RISK

6 hrs → 40 min

Batch load time, Oracle ADW → Databricks

London HQ · 66,000+ employees
Oracle ADW & OCI / OAC

CHALLENGE

High OCI licensing & operational costs, complex hard-to-maintain pipelines, and limited scalability on Oracle Autonomous Data Warehouse.

RESULTS

Batch loads cut from ~6 hours to ~40 minutes; a scalable, cloud-native platform off costly Oracle Cloud Infrastructure.

"KPI Partners and Databricks provided the architectural clarity and technical guidance we needed to move forward with confidence — aligning stakeholders and accelerating the success of the project."

— Director, Enterprise Data Platforms

WHAT KPI DELIVERED

- Phased, accelerator-led migration with GenAI & metadata-driven frameworks
- Ingested Oracle Sales Cloud & Eloqua via APIs / BICC into Bronze/Silver/Gold Delta
- PySpark & Spark SQL transforms; downstream reporting repointed

GLOBAL CLINICAL RESEARCH

60% faster month-end

HR analytics, Oracle EDW → Databricks

~30,000 employees · ~\$5.4B
Oracle EDW (views & procedures)

CHALLENGE

Core Census & DEI logic embedded in Oracle views and stored procedures; siloed HR data across AAS & Apex; a slow, manual month-end process.

RESULTS

Month-end processing 60% faster and ongoing maintenance cut by more than half, on a single governed HR data model.

"Your dedication and teamwork brought the HR Census dashboard to life and made this a successful delivery — helping us deliver on time and with confidence."

— Director, HR Reporting

WHAT KPI DELIVERED

- Re-engineered Oracle view/procedure logic as PySpark on Databricks
- Common HR data model via ERP Analytics for Workday on Databricks + KDIF
- Automated month-end via Workflows; Power BI dashboards; retired Oracle EDW, Informatica, AAS & Apex

GLOBAL LIFE SCIENCES

40% faster pipelines

Oracle CDW → Databricks on AWS (pilot)

~125,000 employees · ~\$44.5B
Oracle CDW · 8,000 Informatica maps

CHALLENGE

A non-scalable legacy Oracle warehouse and 8,000 Informatica PowerCenter mappings — costly to run, under aggressive timelines and a Unity Catalog governance mandate.

RESULTS

40% faster data pipelines in the completed pilot; legacy Oracle warehouse being retired; a reusable framework serving trusted data to 44,000 users.

WHAT KPI DELIVERED

- Phased "Quick Win" migration; Data Platform Migration Accelerator + Data Validator
- Historical Oracle/CDW data → Databricks EDP on AWS; 8,000 Informatica maps → Databricks SQL
- Unity Catalog governance with Delta, Amazon S3 & GitHub CI/CD

WHY KPI PARTNERS × DATABRICKS

Databricks-certified delivery

Certified engineers and a proven Migrate & Modernize methodology, delivered through a reusable, standardized migration framework.

Automation with assurance

90%+ GenAI code conversion paired with source-to-target reconciliation on every table — speed without sacrificing accuracy or governance.

Quick-Win delivery model

A phased approach proves value early and de-risks the full migration, with zero-to-minimal disruption to the business during cutover.

1000+
PROJECTS

300+
CLIENTS

600+
CONSULTANTS

KPI Partners is a global partner for Analytics & Digital Transformation — Data Engineering, GenAI, AI/ML, Cloud Databases and DevSecOps. Founded 2006, Oakland CA, with Databricks-certified teams across North America, LATAM & India serving Fortune 500 clients.

