

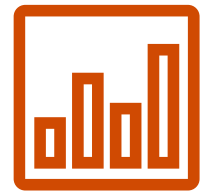
PwC's Data Modernization

Reimagine business transformation through cloud data

Break free from complex data silos and help unleash the true potential of your data. Experience a holistic analytics platform that can help empower improved decision-making, enhanced productivity, fostered innovation, and advanced predictive modeling. Embark on a transformative journey with PwC and Microsoft. Together, we can help revolutionize your business by harnessing the valuable benefits of migrating your ERP systems and legacy data warehouse to the cloud. Our industry-leading solutions can help pave the way for success. Don't let your data go untapped!

Key questions:

- Is your organization managing multiple disparate and complex data silos?
- Is your business growth hindered by data that is difficult to access?
- Does your organization face pressure to reduce cost of maintaining non-scalable hardware?



Analytics Enablement / Visualization

- Data engineering
- Data wrangling
- Report and visualization development



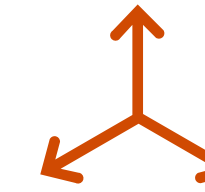
Change and Value Management

- Strategy and roadmap management
- Business case development
- Change management
- Communication management



Cloud / Hybrid Architecture

- Platform design and build
- Platform maintenance and support
- Usage estimation and monitoring



Data Ingest

- Inbound pipelines
- Outbound pipelines
- Scheduling and orchestration
- Data migration
- 3rd party data management



Data Modeling and Governance

- DG operating model
- DG policies and standards
- Enterprise data modeling function
- Master / reference data management
- Metadata management
- Data quality management



DataOps and GenAI

- Use case definition & prioritization
- Model development to maintenance Solution Command and control
- Summarization, deep retrieval, transformation, augmentation, new content creation and Q&A (dialogue)



PMO and Financial Management

- Agile delivery management (PI / sprint planning an execution)
- Resource management
- Budget planning and management
- Cost and expenditure management



Security & Privacy

- Access management (e.g. configuration, monitoring, auditing)
- Data tokenization
- Encryption at rest / in transit



Benefits

Single source of truth

Common data platform with single source of certified data assets across the enterprise so you can consume and report in an integrated manner

Real-time data availability

Real-time replication/integration (ERP, non-ERP, third-party, structured/unstructured, etc.), visualization and analytics for more efficient reporting

Reduced operational costs

Streamline and automate data-related processes – helping prevent data center overhead, manual data entry, reduce data duplication and enable data democratization

Advanced analytics and AI/ML at scale

Real time streaming, next-generation tools can help facilitate product innovation and monetizing insights; Ability to scale AI/ML and cognitive services in a cost-efficient manner

Security, reliability and compliance

Modern cloud data platforms provide the ability for a stronger data governance and compliance measures; allowing data to be properly managed, secured, and compliant with regulatory needs

Modernizing to increase efficiency and lower costs

Challenge

A multinational energy corporation needed to modernize their ERP system to the cloud. The legacy on-prem environment was expensive, complex and proliferated to twenty-one data warehouses.

Solution

PwC conducted a rapid data and analytics assessment using our data modernization framework to help provide architectural options, roadmap scenarios and simplifications.

Results

A team of 350+ was built to deliver against a detailed project plan in lockstep with ERP timeline.

- Aggregated data from numerous ERP /non-ERP sources into one Azure Data Lake platform to help streamline data access.
- Reduced data latency and rationalized data warehouses from ~21 to 6, 60% db objects/reports reduced by as much as ~70%
- 50% legacy objects rationalized through 250+ workshops
- Enabled business, analytics and technical users' self-service access to help improve operational efficiencies and data-driven insights using PowerApps and Power BI



Contact

Anil Nagaraj

PwC | Principal | Cloud & Digital | Analytical Insights

anil.nagaraj@pwc.com

Matt Hobbs

PwC | Principal | Cloud & Digital | Microsoft
Practice Lead

matt.d.hobbs@pwc.com

Thank you

pwc.com

© 2024 PwC US. All rights reserved. PwC US refers to the US group of member firms and may sometimes refer to the PwC network. Each member firm is a separate legal entity. Please see www.pwc.com/structure for further details. This content is for general purposes only and should not be used as a substitute for consultation with professional advisors.