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Kyndryl Data and AI Console transforms data management services

Improve confidence and trust in your data and detect data issues before they become business problems

Highlights

→ Gain end-to-end visibility of data estate and improve data service quality

→ Build trust in your data to support faster, more accurate business decisions

→ Trace data across the organization to deliver timely information to the right people

→ Detect failures and outages quickly with real-time monitoring

→ Monitor data policies and proactively protect against threats and unauthorized access

For enterprises looking to use data insights to fuel critical decision-making, trust in your data is key. Too often, data and AI initiatives are hampered by unreliable and poor-quality data that lacks the proper controls and visibility to deliver timely business value. While ad-hoc data tools exist that deliver incremental operational improvements, what's needed is a unified data platform that operates with the efficiency of a single environment to deliver data you can trust.

Kyndryl can help. The Kyndryl™ Data and AI Console is a single-pane-of-glass service plane designed to improve data trust, speed up data preparation, operationalize consistency, and provide governance for the enterprise-wide data lifecycle. With real-time monitoring, traceability, anomaly detection, security, and analytics, the console helps unlock full data ecosystem observability and provides actionable insights to streamline your complex, distributed environment.

Building trust in data initiatives

Data is vital to every aspect of your business.

→ Accelerating and improving the accuracy of decision-making

→ Enhancing operational and business processes

→ Mitigating business risks

→ Transforming employee and customer experiences

→ Bolstering innovation to create new revenue streams

48% of all data decision-makers and 73% of CEOs agree that deriving value from data is their top priority and essential to remaining competitive.[1]

However, becoming a data-driven business isn't easy. Many organizations recognize the need to be data-driven but struggle to make changes because they cannot consistently find, understand, and trust their data. Gaining the trust of data consumers is key.

Landscape of the modern data estate

Data silos and sprawl
Data is locked in legacy systems and information silos, many of which are difficult to modernize.

Increased complexity
The rise of hybrid and multi-cloud infrastructure has created new layers of IT complexity, making it costly and time-consuming to manage end-to-end data and AI workflows.

Inflexibility for integration
Legacy data estates raise a host of integration challenges. Issues like data gravity make it difficult to move information from one platform to another.

Lack of governance
Governance is a central tenet of data modernization, but many organizations lack the tools, structure, management commitment, and experience to establish, evolve, and enforce a formal data governance framework.

Stagnant skills and resources
Data modernization and AI initiatives call for new skills and technologies on a scale that can strain in-house resources.

Simplify data operations with full visibility across the data lifecycle

The fully integrated Kyndryl Data and AI Console provides a unified service plane to help simplify complex data management processes, reduce data incidents, and improve data trust through built-in observability, governance, analytics, and intelligence.
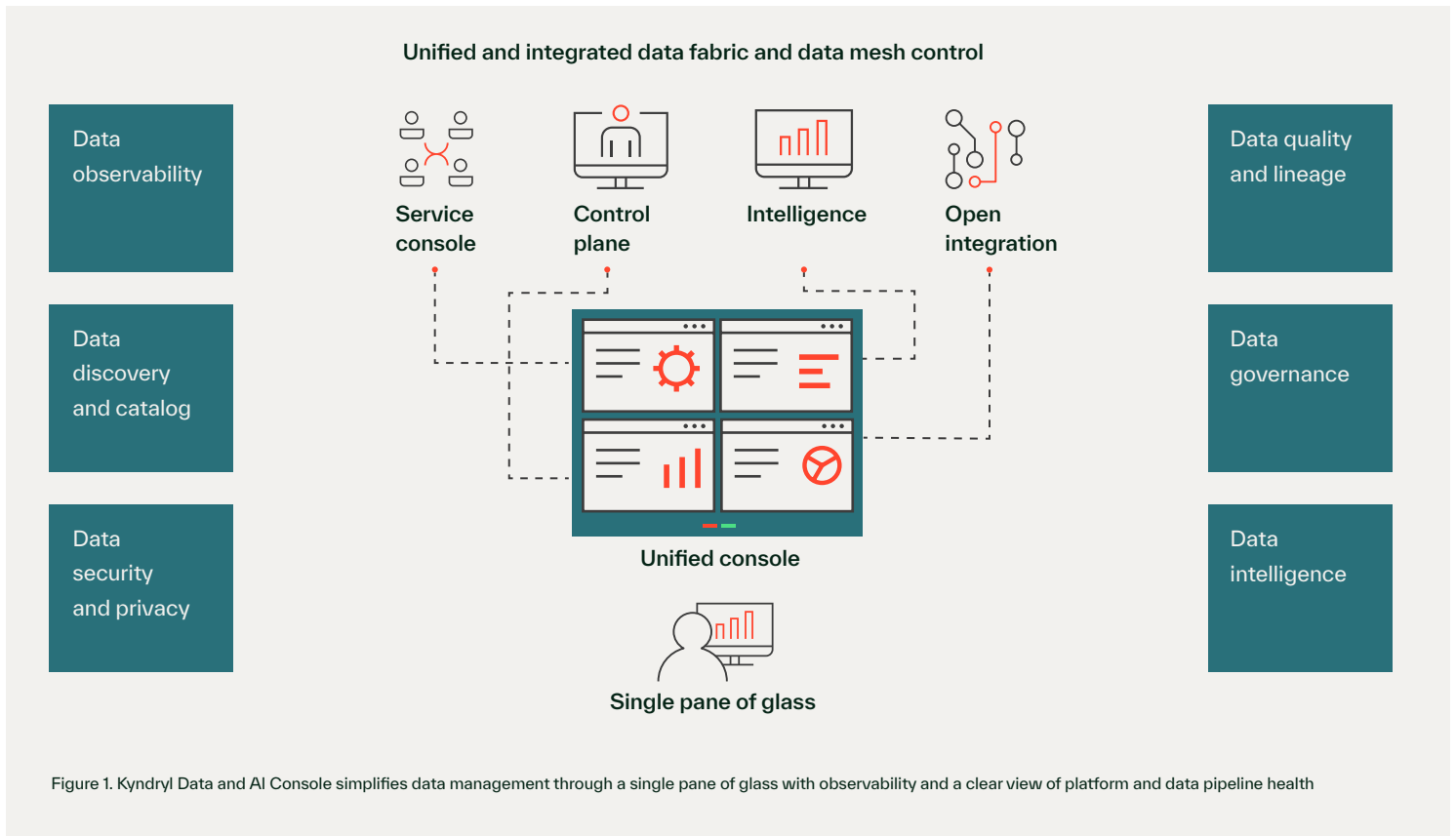

Figure 1. Kyndryl Data and AI Console simplifies data management through a single pane of glass with observability and a clear view of platform and data pipeline health

Key benefits

1 **Unified service plane** with a single-pane-of-glass view across data services and data lifecycle to improve data service quality.

2 **Enhanced visibility** into platform and data pipeline health to predict anomalies, diagnose data incidents, trace data lineage, and improve data quality across the enterprise.

3 **Open architecture** built for simplicity and scale so you can integrate existing tooling, protect current investments, and support modernization.

4 **Governance, security, and privacy across the data lifecycle** to improve data trust, catalog data sources, enhance data quality service-level agreements (SLAs) and meet regulatory and compliance requirements.

5 **Data foundation** to enable data fabric and data mesh frameworks.

6 **AI and analytics** for an intelligent, unified console and control

Unlock value across the data lifecycle

Data platform observability: Understand the health of the data in your systems	Pipeline observability: Fix data problems before they become business problems	Data quality and lineage: Connect and trace data across the organization	Data discovery and catalog: Find and organize reliable data	Data governance: Deliver the right data to the right users at the right time	Data security and privacy: Proactively guard against data threats, corruption, and unauthorized access
→ Reduce data downtime → Optimize costs and resources → Predict data platform failures → Forecast capacity and platform costs → Benefit from FinOps intelligence dashboards, anomaly detection, and forecast of spends versus utilizations	→ Monitor pipeline and data integration → Detect pipeline efficiency and drift → Observe and trance pipeline failures → Perform extract, transform, load (ETL) integration and job management → Predict ETL job failures and performance	→ Prevent and resolve data quality issues → Trace the data journey from source to consumption → Perform data quality management and operation	→ Discover trusted data → Automate and curate metadata → Share context with co-workers	→ Automate data discovery → Catalog domain-based data → Create a business and technical glossary → Manage metadata security access	→ Control data access → Adhere to policy authorization → Implement data masking

Data-driven transformation

To become truly data-driven, it's important to build a cohesive and comprehensive services framework that delivers data observability, availability, confidence, reliability, and trust. Kyndryl Data and AI Console can help with end-to-end services that cover:

→ Data platform management
→ Data integration management
→ Data reliability management
→ Data governance, privacy, and security management

Paired with our intelligent data fabric, AI-infused data operations, and machine learning model management, Kyndryl Data and AI Console can help you build a truly data-driven enterprise at scale.

Deliver trustworthy data
Data delivery SLAs enhance reliability by providing visibility into data pipeline quality issues that might otherwise go undetected.

Detect data issues before business impact
Pinpoint unknown data incidents and reduce mean time to detection (MTTD) from days to minutes.

Facilitate high-velocity operations
Improve mean time to resolution (MTTR) with proactive data incident alerts and avoid multiple routing from weeks to hours.

Improve data SLA
Implement committed data incident SLA and data ecosystem availability SLA.

Improve data team productivity
Empower all data team members to contribute at a high level to quickly identify and resolve issues and free up experienced engineers to focus on more specialized projects.

Optimize data operations
Unify data management with a single pane of glass across the data platform, processing, pipelines, governance, security, and quality.

Mitigate costs
Eliminate over-provisioned data platform on-premises hardware and cloud subscriptions.

Protect against data breaches
Provide access to trusted, high-quality data to the right people at the right time.

Why Kyndryl?

Kyndryl has decades of experience working with complex, mission-critical technology systems the world depends on every day. We are deeply committed to advancing the critical infrastructure that powers human progress. We're building on our foundation of excellence by creating systems in new ways: bringing in the right partners, investing in our business, and working side by side with our customers to unlock potential as a modern, data-driven enterprise.

People
Services backed by the expertise of global data engineers, data scientists, data architects, data and AI strategy consultants, and our powerful partner ecosystem

Processes
Technology-neutral, vendor-independent approach with open and security-rich designs and methodologies

Technology
Production-grade data management

For more information

To learn more about how Kyndryl Data and AI services can assist in your data and AI adoption journey, please contact your Kyndryl representative or visit kyndryl.com/us/en/services/data

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1 Don't Settle for a Patchwork Data Strategy: Lessons Learned from C-Suite Executives, Frost & Sullivan, November 2022