



Data modernization powers digital business

Data is one of the most valuable assets your enterprise has. Whether it's in traditional, structured databases or unstructured data sources—XML files, images, spreadsheets, social media assets, log files, connected sensors, and more—the ability to extract actionable insights from your data is key.

Unfortunately, many organizations are working with data assets so disparate and fragmented that deriving any insights at all can seem like an insurmountable task. The lack of data integration can lead to uninformed business decisions, guesswork, and failure to anticipate demand.

Data modernization is no longer an option—it's an imperative for enterprises to make data-driven decisions and scale to meet rapidly changing business priorities.

What is data modernization?

Data modernization involves transforming existing data processes from siloed, legacy database technologies, data lakes, and warehouses to a modern, hybrid or multi-cloud data environment. A traditional data environment makes it difficult to put the right data into the right hands at the right time, leaving employees without valuable information to make informed decisions. A hybrid or multi-cloud environment can handle exponential data growth and combine multiple sources of structured and unstructured data, as well as stream data from connected devices, sensors, real-time world events, and more.

A modern data environment is essential to quickly extract meaningful insights from vast amounts of data to inform business decisions and maximize competitive advantage. Whether for insights about customer trends and predicting product demand or detecting fraud and anticipating production issues, a modernized data approach translates to real world bottom-line results.



Modernize your data estate for transformative business value

- **Democratized data access** with guardrails provides the right person or application with on-demand access to the right data at the right time.
- **Improved communication** helps deliver a consistent user experience with a unified interface.
- **A modern data environment** infused with AI and machine learning quickly derives actionable insights with data analytics.
- **Legacy data infrastructure modernization** bridges organizational gaps and breaks down data siloes to enable better collaboration and transparent processes.
- **Enhanced security and compliance processes** use security-rich authentication methods and access controls to protect data assets and ensure compliance with legal and regulatory requirements.

When embarking on any modernization journey, it's vital to plan the data migration and implementation phases thoroughly.



Our approach

- 1 Baseline your current environment** to identify what assets exist today, if they will scale, and how secure and resilient they are right now.
- 2 Define data objectives for data-driven transformation**, including required functions, business intelligence, AI, and compliance.
- 3 Define your data architecture** to identify the major technologies and tools needed in your future data environment and how they will integrate with your data sources, computing infrastructure, applications, and users.

[Learn more](#) →

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Why Kyndryl?

Wherever you are in your data modernization journey, Kyndryl can help. We offer consulting and end-to-end data management services to help your organization formulate and execute the data strategy that is right for you. We'll work with you to transform your legacy data systems, fragmented tooling, and localized data silos to cutting-edge, next-generation data platforms. Our integrated console simplifies management, consolidates monitoring, and improves reliability while creating an end-to-end data supply chain for seamless data processing.

Kyndryl has deep expertise in designing, running, and managing the most modern, efficient, and reliable technology infrastructure that the world depends on every day. Our data consultants, data architects, and data engineers have the skills and experience to guide even the most complex data modernization projects, with a team of data scientists and AI experts to help you get the most from your data. We're building on our foundation of excellence by creating systems in new ways: bringing in the right partners, investing in cutting-edge technologies for innovation, and working side by side with our customers to unlock potential.

For more information

To learn more about how Kyndryl can help modernize your data to maximize value, please contact your Kyndryl representative or visit us at [kyndryl.com](https://www.kyndryl.com)

Get more from your data →



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