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Accelerate digital business innovation with Kyndryl's Application Modernization services

Improve business agility and user experience by transforming your application landscape

Highlights:

– Expertise and tools to enable a successful application modernization journey

– Impact-aware approaches that optimize the value of applications portfolio

– End-to-end services, from application assessment to post-launch hypercare

Legacy monolithic applications can put a significant strain on technology budgets and operations – they are costly to maintain and cannot easily adapt to changing business needs. Their complexity, fragility, and lack of integration may result in poor customer experience and slow business growth. However, modernizing them can be challenging for several reasons, such as:

– Lack of complete visibility into the application portfolio

– Incompatibility with coding standards that address security, code sprawl, and critical flaws

– Potential quality degradation and business disruption during modernization

Kyndryl's Application Modernization services can help you modernize your applications portfolio – from mainframe to back-office business applications – in a faster, more predictable, secure, and scalable manner. The services include:

– Planning, application discovery, and assessment
– Development using DevSecOps-driven software engineering
– Migration, integration and management

We apply industry-leading expertise, tools, and processes to help you optimize the business value of your applications across platforms, public cloud, private cloud, and hybrid environments. We also help you maintain application currency and business, technical and cost fitness.

Kyndryl's Application Modernization services are designed to enable you to:

– Boost performance, availability, security, and visibility
– Take advantage of cloud and edge services and gain a competitive edge
– Reduce technical debt by replacing legacy applications with cutting-edge technologies
– Transform business models and IT operating models to simplify doing business

With Kyndryl, you can accelerate application modernization by up to 60 percent and reduce total costs by up to 40 percent[1].

Expertise and tools to enable a successful application modernization journey

Application modernization requires deciding how to transform each legacy application, using new computer languages, cloud-native coding techniques, and infrastructure. At a high level, you have two options:

1. Migrate the application to the cloud without making significant changes to the code or the functionality
2. Move the application to the cloud but at the same time update the code to be as cloud-native as possible

Kyndryl's team of experts can help you make the appropriate decisions and accelerate the process of application modernization. With integrated tools and patterns, Kyndryl co-creates with you to deliver results in a predictable way:

– Kyndryl delivers modernized applications, with various application treatments identified during the assessment period
– Applications are modernized, tested, and deployed using DevSecOps methodology

– Kyndryl utilizes best-of-breed toolsets from cloud service providers and OEMs, as well as proprietary tools, for different scenarios
– Modernized applications are provided hypercare – a period of intensive support after launch – and eventually handed over to the managed services team for operations

Impact-aware approaches that optimize the value of applications portfolio

Modernizing applications can provide many benefits to enterprises, including:

– **Business agility.** Applications created with industry-leading tools and methods for application development and delivery can easily adapt to changing business needs. Kyndryl's Application Modernization services are aligned with and cater to customers' business strategy and requirements.
– **Faster time to market.** Because Kyndryl's expert teams have the right skillsets, tools, and methods, customers' application modernization is accelerated. Faster go to market means critical business applications can get ahead of the competition.
– **Efficient IT.** With modernized applications and infrastructure, day-to-day IT operations and management become easier. In addition, because they are spending less time on operations and management, IT staff can focus on value creation.
– **Enhanced customer experience.** Modernized applications can deliver an improved customer experience that is critical to business growth and differentiation.
– **Improved reliability and resilience.** Modern applications running on optimized infrastructure can help reduce downtime and increase business resilience.
– **Scalability.** Applications are modernized aligning with 12-factor application standards,[2] resulting in cloud-native applications that are modular, portable, and scalable.

End-to-end services to meet your needs from start to finish

We have developed proven methodologies and patterns to guide the application modernization process, from application assessment through to launch and post-launch hypercare:

– **Kyndryl Consult.** Kyndryl's unique consulting and integration framework is designed to help customers through the full breadth of their digital and cloud journeys, meeting them wherever they are in their unique experience.
– **Kyndryl Vital.** Kyndryl Vital's method is an open and collaborative experience that makes the future visible and bridges the gap between human experience and technical capability. Kyndryl Vital's country teams work side-by-side with customers and our alliance partners to envision human-centered experiences that frame our ground-breaking technical solutions.
– **Kyndryl Bridge.** Kyndryl Bridge is an open integration platform that delivers IT solutions by leveraging Kyndryl's core strengths, data-driven insights, and expertise, to create an uninterrupted path between a digital business and the technology that delivers it. Kyndryl Bridge brings together the deep domain knowledge of our technology consultants, delivery experts, and alliance partners, with decades of Kyndryl IT operations knowledge and IP.

Conclusion:

Application modernization is paramount to business success in a digital-first world. Partnering with Kyndryl can help organizations focus on core business activities while accelerating the modernization process. Benefits from using our services include better business resilience, lower costs, more scalability and agility, and enhanced customer experience. Our extensive expertise in application consulting, implementation, and management – from mainframe to distributed applications including SAP and Oracle ERP applications – along with a global talent pool and our technical leadership, all contribute to the value we bring to our customers who are seeking to modernize their applications.

Why Kyndryl?

Kyndryl has deep expertise in designing, running, and managing the most modern, efficient, and reliable technology infrastructure that 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.

Our global, skilled practitioners serve more than 4,000 customers in 100+ countries around the world — including 75% of the Fortune 100. We are deeply committed to advancing the critical infrastructure that powers human progress. Our expertise across a wide variety of technologies, including ERP and Oracle, accelerates digital transformation by aligning business outcomes with the technology that drives them.

For more information:

To learn more about how Kyndryl's Application Modernization services can help you increase business agility and drive down costs, please contact your Kyndryl representative or visit us at kyndryl.com/us/en/services/applications.

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1. Based on existing customer results.
2. For more information, visit The Twelve-Factor App and Creating cloud-native applications: 12-factor applications, IBM, November 2021.