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Mainframe modernization with Google Cloud integration solution by Kyndryl

Customer challenges

Many organizations continue to rely on the mainframe for security, reliability and performance, but there are challenges, including:

– Lack of skilled resources to support mainframe application and infrastructure as well as cloud technologies

– Complex interdependent workloads, constrained visibility and analytics across systems of engagement, integration and record

– Integration difficulties across network and security that impact acceptable latency

– Different build, deployment, management and automation processes for mainframe and cloud

– Specific hardware lock-in which limits the flexibility to migrate apps between mainframe and cloud environments

– Platform and DevOps teams struggle to onboard apps, resulting in high developer wait time and a poor-quality experience

– Compatibility issues integrating existing programming languages and middleware into hybrid cloud workloads

Kyndryl provides end-to-end services for mainframe integration capabilities with Google Cloud to address the full spectrum of network connectivity, application, DevSecOps, data integration, and management and visibility. Kyndryl provides hybrid infrastructure, data, and application management across the mainframe and cloud environments.

The Mainframe modernization with Google Cloud integration solution by Kyndryl helps customers to:

– Deliver an agile, hybrid operating environment

– Exploit best of both mainframe and cloud platforms

– Integrate legacy workloads with Google Cloud using proven methodologies, to reduce risk of delay, failure, and additional cost

– Exploit the investment in mainframe by extending the features to cloud

– Leverage Google Cloud application development stack along with ISV and open-source tools to achieve a robust, integrated DevSecOps infrastructure

– Integrate data with a data-first approach to enable distributed data analytics, new channels, and new functionality

Customer outcomes and benefits

Google Cloud integrations for mainframe provide key benefits that help customers solve persistent challenges with the capabilities to:

1. Drive scalability, availability, and performance: flexibility of infrastructure enhances developer agility and enables self-service access to storage and data services.

2. Maximize apps performance: run mission-critical applications with optimal performance and on-demand scalability.

3. Strengthen business continuity: help achieve zero Recovery Point Objective disaster recovery across data centers, for a highly available and resilient application environment.

Our proven methodology delivers business value

Position the right workload on the right platform to advance digital transformation, reducing risk and delays to accelerate turn-around time. Simplify application management and reduce costs by extending applications to Google Cloud application development tools. Additional value for customers includes the ability to:

– Reuse existing assets and resources, extending the investment value

– Re-validate and consolidate software licenses on mainframe to aid in reducing costs

– Migrate non-critical business applications from the mainframe to help lower TCO

– Initiate new business intelligence, functions, and channels by replicating data to Google Cloud for analysis, insights, and actions

– Create a single, holistic DevSecOps environment with a unified monitoring, management, and automation toolset across the hybrid, integrated infrastructure, and applications estate

Together, Kyndryl and Google Cloud help customers modernize and simplify mainframe workload and cloud IT management. Customers get benefits across their mainframe and cloud environments, including on-demand capacity, increased agility, performance, and security.

Kyndryl's expertise in mainframe and managing complex infrastructure combines with Google Cloud integrations latest technology with legacy applications. This helps customers secure the investment they have made over years on mainframe, and aids in reducing TCO and increasing ROI.

Kyndryl and Google Cloud alliance

Kyndryl is one of the largest managed services providers for mainframe. Our strategic alliance with Google Cloud combines the breadth and depth of Google Cloud services in modernizing complex, mission-critical IT systems to deliver exceptional solutions to clients.

Kyndryl (NYSE: KD) is the world's largest IT infrastructure services provider. Kyndryl employees serve over 4,000 customers around the world, including 60% of the Fortune 100. Google (NYSE: GOOG) is the #1 leader in search engine and leading cloud-based solutions provider and trusted in handling mission critical workload in production by the world's leading enterprises.

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 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.

For more information:

Find out more about how the Mainframe modernization with Google Cloud integration solution from Kyndryl can help your organization. Visit the Kyndryl and Google alliance page, contact your Kyndryl representative, or visit kyndryl.com

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