Empowering Continuous Modernization with Kyndryl Cloud Native Services for Azure

Customer challenges

Many customers have plans to modernize and migrate their mission critical workloads onto Microsoft® Azure® to transform their business processes. However, their modernization and digital transformation can be stalled by the following challenges:

→ Poorly designed cloud environments which hamper rapid production deployments and scale outs

→ Adoption of traditional operations approaches which add layers of manual effort, effectively reducing the agility that cloud offers

→ Shortage of right cloud skills which slow down much-needed cloud transformation programs

→ Lack of visibility, control and governance of cloud consumption that negate the economic benefits of cloud

Solution highlights

Customers use Kyndryl Cloud Native Services for Azure to drive services that help clients transform environments to an Azure cloud native framework for deployments and steady state operations. These services from Kyndryl allow you to:

→ Design, provision, and manage enterprise-scale landing using Azure Cloud Adoption Framework for scale-out

→ Provision the Azure workloads environment using standard infrastructure as code (IaC) templates and pipelines

→ Modernize application infrastructure using components like IaaS, PaaS and native container services

→ Simplify the configuration management, monitor the desired state configuration (DSC), and correct the drift

→ Gain flexibility to integrate with the tools of choice over cloud native

→ Improve visibility and control of cloud costs and performance

Customer benefits

Kyndryl Cloud Native Services for Azure provide the continuous optimizations through periodic review cycles to identify cost optimization opportunities and improve architectural performance. Additionally, these services help you to:

1 Transform cloud operations by leveraging IaC for an automation-first approach and policy as code for secure-by-design delivery principles

2 Reduce operational costs and avoid 3rd party tools lock-in by maximizing cloud native management services usage

3 Empower teams to co-innovate through the cloud native operating model, significantly improving developer productivity

Kyndryl Managed Container Services

Customer challenges

As customers move their more complex workloads to the cloud to modernize their infrastructure to realize greater scalability and lower costs, they face challenges which can slow down digitization efforts. These issues include:

→ Complexity of learning and adapting new and latest containerization strategies and technologies
→ Challenges in designing existing on-premises enterprise application for containers
→ Insufficient internal expertise and skills shortages
→ Immaturity of internal, homegrown tools for container development and management
→ Uncertainty regarding the time and costs involved in container projects

Solution highlights

Kyndryl™ Managed Container Services provides end-to-end managed services capability for both cloud native and dedicated container platforms deployments. This solution features:

→ A pay-as-you-go billing model
→ Delivery provided by a highly skilled SREs team
→ Seamless integration, assisted architecture design, and proven practices for build and manage

→ Fast start, low risk, committed outcomes, and compliance with the enterprise and security requirements for containerized environments
→ Readiness to support the latest and advanced versions of container platforms without in-house efforts and investments from the customer

Customer benefits

The top benefits of moving your workload to cloud using Kyndryl Managed Container services include the end-to-end managed services capabilities for both cloud native and dedicated container platforms deployments. Customers also get support for the containerization journey through Kyndryl advisory expertise in:

1 Strategy and knowledge transfer which allows you to understand current cloud maturity and identify areas requiring further capabilities

2 Cloud design and deployment to enable operating model and technical foundation

3 Build and migration plan execution and transition of operations and workforce to the cloud operating model

4 Operations streamlining with unique SRE-based services framework that minimizes human interventions for operations

Kyndryl ModernOps
powered by Kyndryl Bridge

Customer challenges

Digital transformations are often stalled by challenges around acquiring the right skillsets, tools, and processes to integrate and scale all the benefits of modernized IT operations and cloud into the business. IT professionals and business leaders today need quick and effective ways to:

→ Simplify the definition and operation of increasingly complex IT environments, including traditional data center, cloud, and cloud-native and containerized estate

→ Track and manage outcomes, foster collaboration, communication, and cross-team transparency

→ Streamline and reduce costs, all while enhancing value

Solution highlights

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 scales with your business to provide an open, security rich experience that helps maximize return on investment.

Through four self-service, persona-based consoles, your teams can consume, deploy, optimize, and govern digital services across Microsoft® Azure®, along with other cloud providers and data centers:

→ Consumption console
→ Governance console
→ Operations console
→ DevOps intelligence

Customer benefits

Kyndryl Bridge will allow customers to access out-of-the-box integrations, native partner collaboration, and an expanding marketplace of third-party services, powering their ability to create and innovate to grow their digital businesses:

1 The consumption console delivers a unified orchestration, consumption, and provisioning experience, which enables IT control with customizable policies and governance operations.

2 The governance console provides visibility of costs across multiple private and public clouds.

→ Includes enablement of FinOps for multicloud from cost optimization analytics and billing insights.

3 The operations console delivers industry leading cognitive capability and integrated AIOps.

→ Includes visualizations of unified on-premises and multicloud operations and inventory, as well as optimization insights and automation.

4 The DevOps console helps delivers application modernization with an open DevOps toolchain for container health and continuous security.

→ View development, build, and test metrics from DevOps tools running on RedHat® OpenShift® or RedHat Enterprise Linux.®

Why Kyndryl and Microsoft?

About Kyndryl

Kyndryl is a $19 billion company with skilled professionals operating in over 60 countries. We design, build, manage and modernize mission-critical technology systems that the world depends on everyday.

We have decades of experience working with customers to deliver enterprise-grade workload analysis, migration, implementation, and managed services for the most complex workloads.

Providing undisputed leadership

6.1M mainframe installed MIPs

300K network devices managed

5,200+ WAN devices managed

3.5M LAN ports managed

67K+ VMware systems managed

14K+ SAP instances managed

3.5+ exabytes of client data backed up annually

Azure Advanced Specialization ■ Microsoft

→ Kubernetes on Microsoft Azure
→ SAP on Microsoft Azure
→ Analytics on Microsoft Azure
→ Microsoft Azure VMware Solution
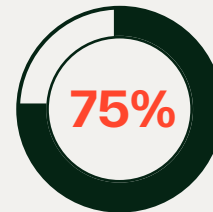→ Microsoft Windows Virtual Desktop

Solution Partner Designations ■ Microsoft

→ Solutions Partner for Infrastructure (Azure)
→ Solutions Partner for Data & AI (Azure)
→ Solutions Partner for Digital & App Innovation (Azure)
→ Solutions Partner for Modern Work
→ Solutions Partner for Security

Empowering thousands of customers

>4,000
Global customers

75%

. . . of the Fortune 100 and more than half of the Fortune 500

20,000+
Microsoft Certifications

Kyndryl and Microsoft Advantage

Kyndryl and Microsoft provide the services and solutions to meet customers wherever they are on their cloud journey: on premise, across multiple clouds, or on the edge. With our joint expertise, we work with customers to manage complexity and modernize their operations for rapid business outcomes. We bring together deep design, delivery, management, and cloud technology expertise, supported by an expansive ecosystem, to unlock our customer's potential for long term business impact.

Next steps

Learn more at the Kyndryl and Microsoft alliance page.
Or visit kyndryl.com.

kyndryl

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■ Microsoft