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Kyndryl Services for Oracle on Microsoft Azure

Applications, Data & AI Practice

Together with alliances, Kyndryl designs, solutions, implements, and operates the world's most complex technology estates

Our Customers

We work in partnership with thousands of customers and are dedicated to ensuring that each achieves peak digital performance

30+
… years of designing, building and managing mission-critical IT environments

Including
…of the Fortune Global 100 and more than half of the Fortune Global 500

60%

We manage vital environments in critical industries

5/5 of the top automotive companies by revenue

11/20 of the top insurance companies by revenue

4/5 of the top consumer staples retailers by revenue

3/5 of top telecom companies by total mobile connections

5/10 of top airlines by total revenue passenger miles (RPM)

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Microsoft Partner | Azure Expert MSP
Microsoft

6 Microsoft Azure Advanced Specializations

- Azure VMware Solution
- Analytics on Azure
- Kubernetes on Azure
- Azure Virtual Desktop
- Low Code Application Development
- SAP on Azure

5 Microsoft Solution Partner Designations

- Azure Infrastructure
- Azure Digital & App Innovation
- Security
- Azure Data & AI
- Modern Work

Kyndryl Services

Cloud
Delivering seamless advisory, migration, modernization, and management services integrated with Microsoft Cloud

Core Enterprise & zCloud
Manage mission-critical workloads seamlessly by modernizing mainframes to handle high-volume, always-on computing with Microsoft Cloud

Digital Workplace
Accelerate hybrid work capabilities and enable collaboration from anywhere with strategy, design, architecture and implementation of Microsoft 365

Application, Data & AI
Providing full application platform hosting and expert assistance for application modernization to Microsoft Azure

Network & Edge
Provides unified Network Services for Microsoft Cloud and data center connectivity

Security & Resiliency
Providing full application platform hosting and expert assistance for application modernization

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Visit our website to learn more

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Kyndryl offers an integrated portfolio of services to help you maximize your Oracle investments and leverage Oracle innovation
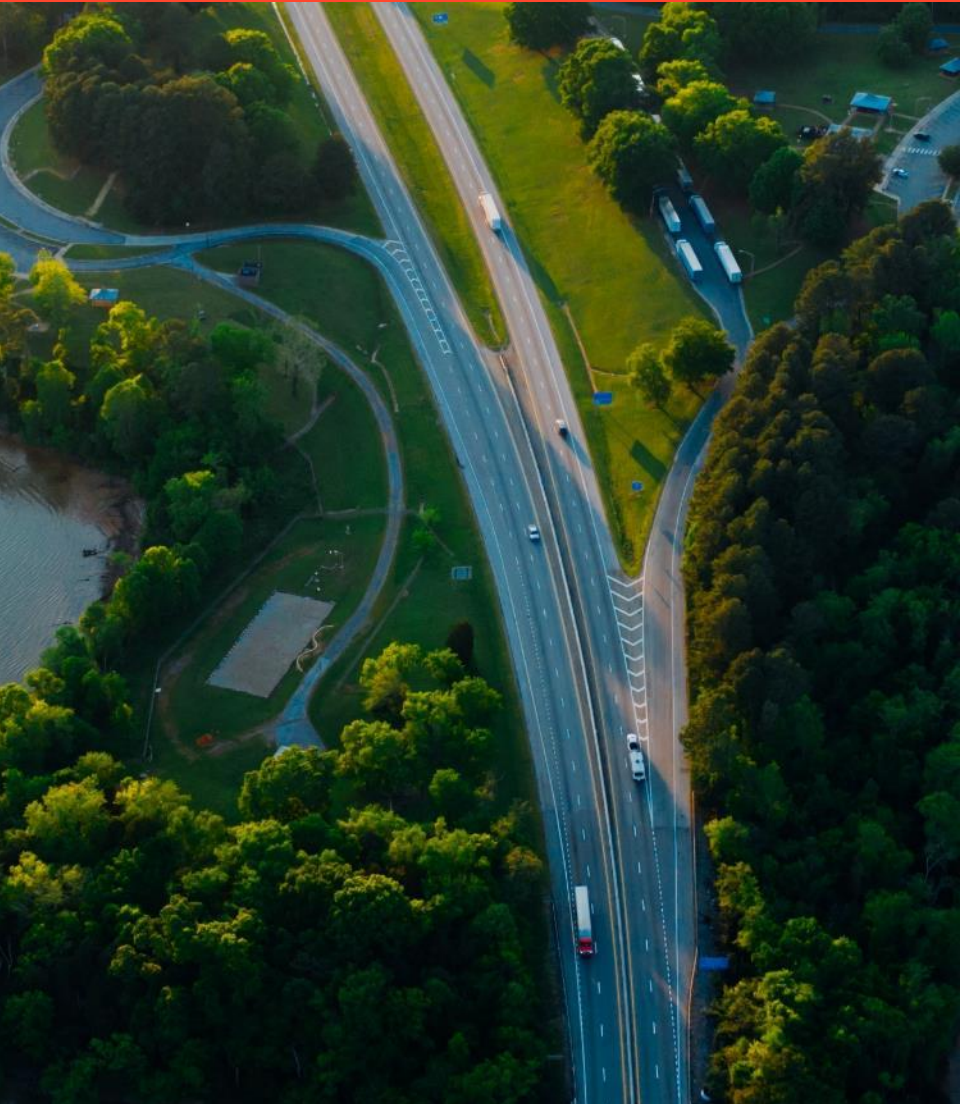
We bring talent, expertise, and a proven service design to help you co-create solutions that deliver innovative customer experiences
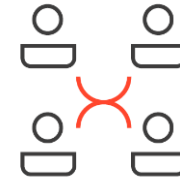
Rich experience and deep expertise through our **people**, best-practice **frameworks** & **IP**

Reliable services across hybrid/multicloud environments with **minimal business disruption**

Innovate with **Kyndryl Bridge** digital integrations & co-create with designer-led **Kyndryl Vital** teams

kyndryl bridge

An open integration platform delivering IT solutions by leveraging Kyndryl's core strengths, data-driven insights and expertise

kyndryl vital

Our designer-led co-creation experience that brings partners and customers together to solve complex business problems

Kyndryl's Oracle Solutions portfolio

Kyndryl offers a full range of services to address Oracle ecosystem challenges

Advisory Services

Modernization

Oracle Database adoption and consolidation

Workload Optimization

Managed Services

How Kyndryl can help

Services may include, but are not limited to:

– Assessing Oracle footprint

– Designing architecture & landing zone

– Configuring Disaster Recovery (DR) and High Availability (HA)

– Migrating/modernizing to Azure, plus ongoing management

– Adopting Oracle Exadata

– Oracle Database@Azure

– Migrating data securely

– Implementing and managing Hybrid/multicloud environments

– Managing build and test environments

– Functional application support, customizations, integrations, Oracle enterprise & SaaS applications
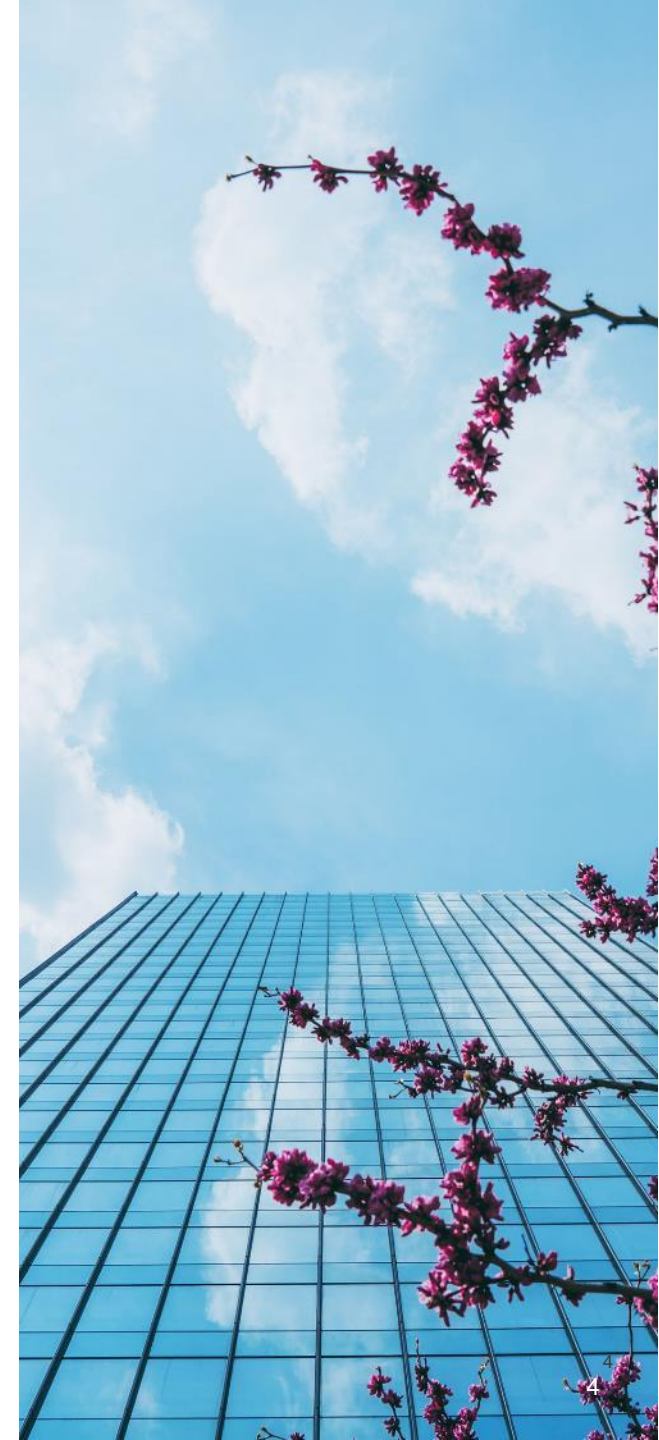
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Kyndryl Consult provides advisory services for Oracle modernization and migration to Azure
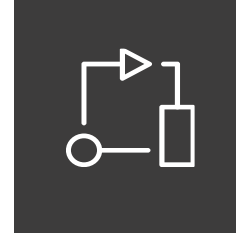
Lines of business need flexible, agile approaches to accurately predict costs.
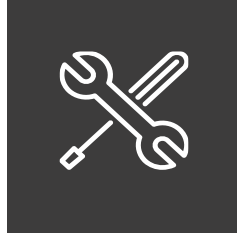
Skills and resource shortages can make projects more time consuming and less efficient.

Projects may be hampered by a lack of standard, consistent and globally available discovery, planning & execution methods.

The IT staff requires more bandwidth to support projects.

IT staffing shortages and change management issues can impact the business.

Flexible, modular services with predictable, repeatable results.

Agile delivery & continuous improvement to maximize learnings, minimize risk & manage costs.

Consistent, repeatable delivery with experience from similar projects & standard automated processes.

Agile squads to support worldwide projects of various sizes & complexities.

Broad partner ecosystem to support cloud-native and 3rd party extensions.

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Kyndryl's modernization services are designed with advanced security capabilities to swiftly migrate Oracle data and applications to Azure

To truly elevate customer experiences, Oracle applications and products must be as efficient, intelligent, and agile as the new front-office systems

01
Evaluate & Roadmap
Strategy and planning for portfolio transformation, cost optimization and cloud readiness

02
Migrate & Modernize
Develop and modernize applications and migrate to modern platforms

03
Manage & Secure
Maintain, remediate, upgrade and test applications, data, and critical workloads in a security-rich environment to minimize business interruptions

04
Iterate & Innovate
Implement a pragmatic strategy to integrate digital applications at any stage of the modernization journey
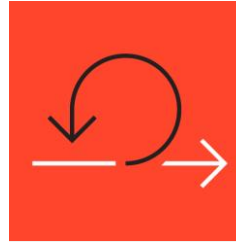
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Driving factors for migration & modernization

Business needs driving enterprises to Oracle modernization

Cloud Migration & Modernization Goals

01 **Strategic**

- Introduce products to market faster
- Respond more quickly to changing requirements

- **Improved agility**
- **Rapid innovation**

02 **Financial**

- Lowering total cost of ownership
- Scale up or scale down per cost requirements

- **Pay-as-you-go**
- **Elastic scaling**

03 **Business Ops**

- Reducing the risk of interruptions to the business
- Rapid recovery in case of failure

- **Reduced risk**
- **Increased insights**

04 **IT Ops**

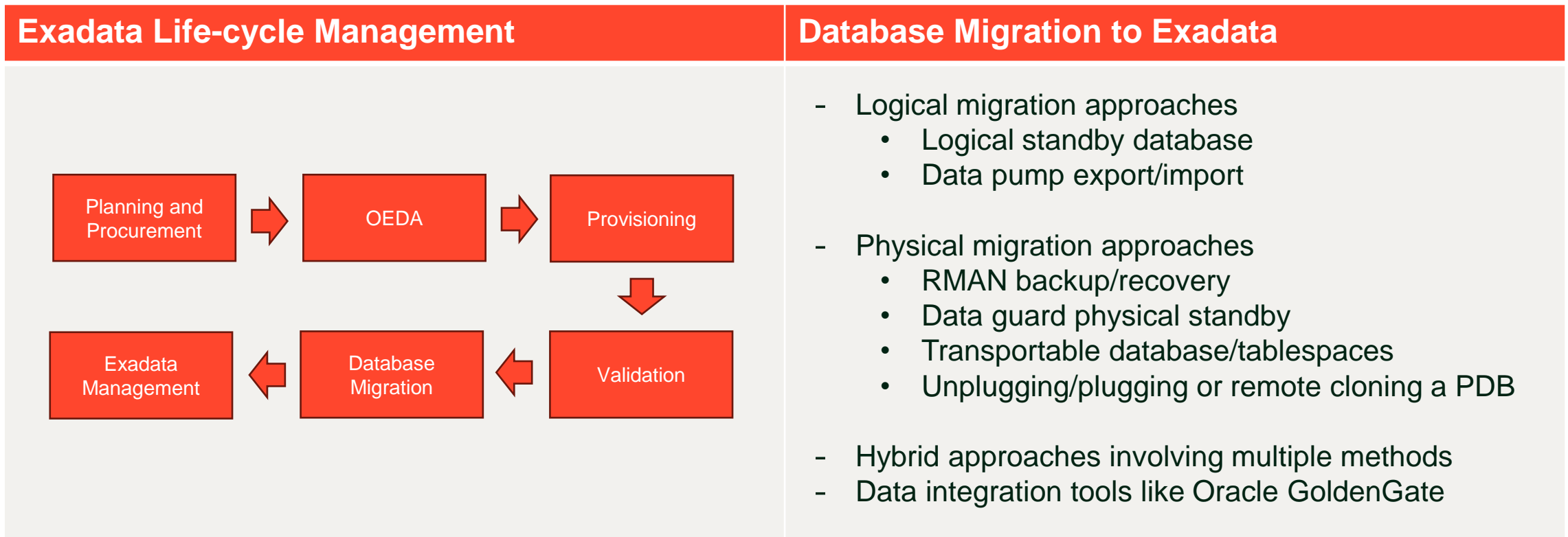- Automate standard operations
- Support high value business processes

- **Repeatable best practices (Infrastructure as Code)**

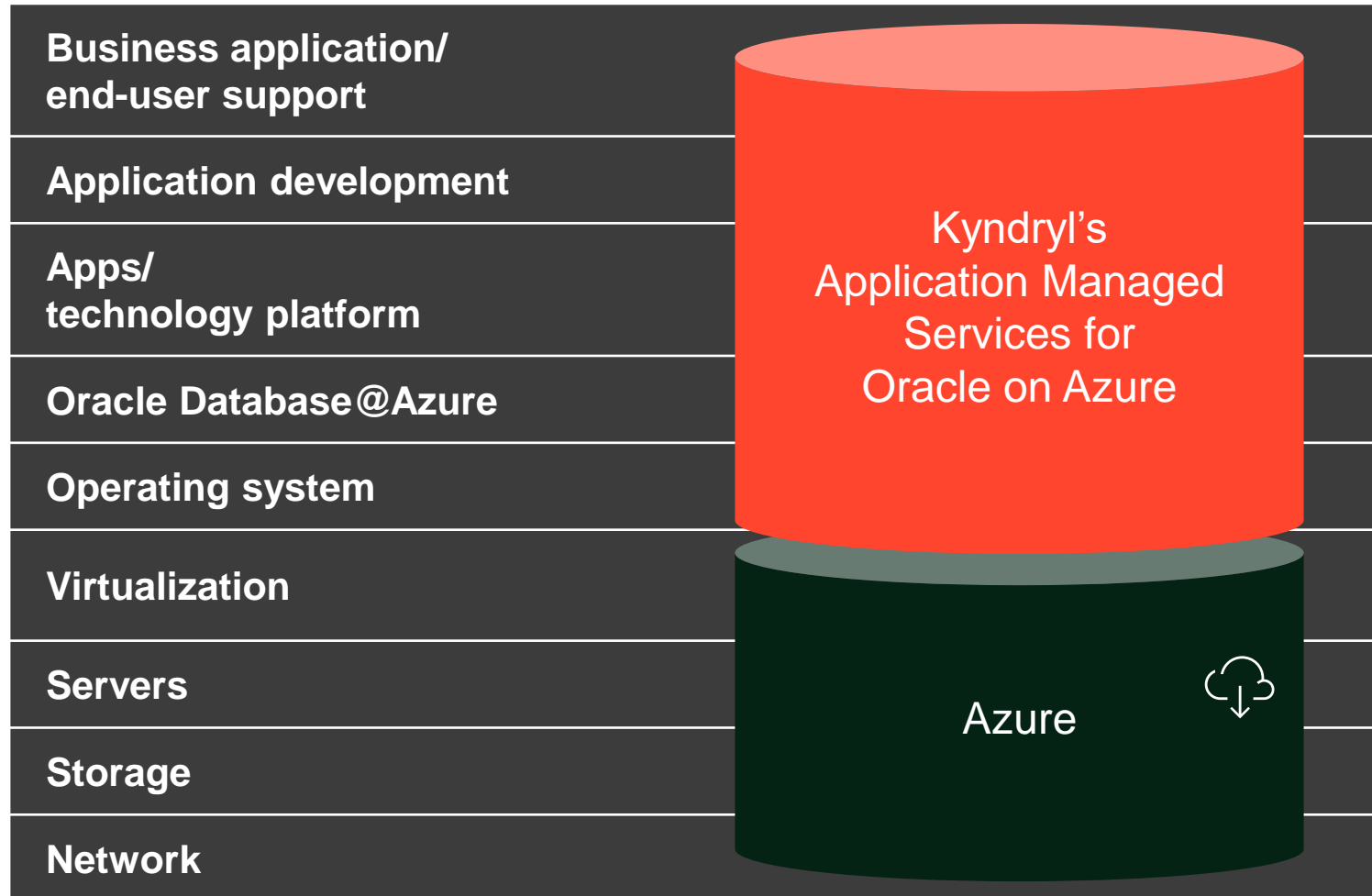kyndryl

Kyndryl support for Exadata

Kyndryl can help your Exadata adoption effort by managing your entire Exadata lifecycle, from procurement planning through to database migration and steady-state support.

Kyndryl has extensive experience supporting Exadata projects with Oracle-certified resources around the globe.

Exadata Life-cycle Management	Database Migration to Exadata

Planning and Procurement → OEDA → Provisioning ↓ Exadata Management ← Database Migration ← Validation	- Logical migration approaches
	  • Logical standby database
	  • Data pump export/import
	
	- Physical migration approaches
	  • RMAN backup/recovery
	  • Data guard physical standby
	  • Transportable database/tablespaces
	  • Unplugging/plugging or remote cloning a PDB
	
	- Hybrid approaches involving multiple methods
	- Data integration tools like Oracle GoldenGate

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Kyndryl's Management Services for Oracle on Azure

Complete end-to-end support model

Business application/ end-user support	
Application development	
Apps/ technology platform	Kyndryl's Application Managed Services for Oracle on Azure
Oracle Database@Azure	
Operating system	
Virtualization	
Servers	Azure
Storage	
Network	

Customer Benefits

Simplifying, modernizing and managing your most critical **applications and data** on Azure and multi-cloud:

- Manage & optimize with a single governance structure from top to bottom
- Greater visibility
- Faster response
- Automation & tools
- Future-ready business transformation model

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Oracle services accelerators for Azure

Extensive automation enables efficient migrations and consistent delivery of service-level agreements (SLAs) and service-level objectives (SLOs) for infrastructure and application performance and availability

Automation is a key enabler

Automation as Code

Software engineering best-practices drive automation with test-driven development and consistent, uniform workflows across managed environments

Automate for Agility

Design automation enables faster, consistent management while improving coverage with well-defined APIs and continuous development & deployment

Microservices & Kubernetes

Oracle Platform as a Service (PaaS) microservice architecture enables rapid, frequent & reliable delivery of large and complex applications with integrated tools and services to help reduce complexity

Integration

Oracle PaaS enables faster integration with services like Cloud Automation Community Framework (CACF) and ServiceNow and can integrate with mainframe and AIOps with limited coding

Modularization

Modular automation tools enable customers to use separate tool stacks to build different environments based on workload requirements

Security/Compliance

Security best-practices are enforced for automations and the managed environment

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Kyndryl's value-added services for Oracle on Azure: assets & automation

We bring our best practices to your Azure programs

Customer Benefits

Accelerators

- Provisioning VM
- Patching and compliance

- OPAAS
- OMAP
- Ansible

- Up to 95% reduction in time for infra build
- Up to 50% reduction in outages through automation

Tools

- Tools to administer applications
- Automations to address compliance
- Scripts to reduce testing time

- OCTA
- OEM
- NAGIOS
- OPAAS
- OMAP

- Up to 70% automation of operations tasks
- High Availability with SLAs up to 99.999%
- Near zero manual intervention
- Patching OS & DB with near zero downtime
- Proactive business processes performance monitoring and remediations
- Significant reduction in application outages

Knowledge

- Run Book
- Dashboards
- SOPs
- Certified pool of resources

- SharePoint
- SNOW
- OCTA
- OZONE

- Person independent, consistent delivery with repeatable processes
- Best practices focused on delivery improvement

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Managed services highlights

Disaster recovery supported by cloud infrastructure and business continuity & recovery services

Security-rich environment with three-tier zoning separated by a firewall and virtual local-area networks (VLANs)

Innovation with best-in-breed functional expertise to ensure customer compliance and business needs

Skilled functional and technical Oracle resources with industry certifications

High availability for mission-critical applications with SLAs

Kyndryl Oracle Services

Automated processes accessible through the cloud management portal to enable faster deployment of Oracle applications

Reduce cost of application ownership and **increase business efficiency** with Oracle functional Application Management Services (AMS) including development

Cost-efficient through increased utilization of production infrastructure and movement to OPEX model; scalability based on need

Compliant with latest cloud standards like IT Infrastructure Library (ITIL), Health Insurance Portability and Accountability Act (HIPAA) and Payment Card Industry (PCI) compliance

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Kyndryl's global delivery capabilities for Oracle

Consult, develop, modernize, migrate and manage across the full application lifecycle

Delivery services built to enable business insight at scale

People & Skills

- Functional Leaders
- DBAs
- Architects
- Consultants
- Team Strength
- Applications
- Technical Leaders
- Product Specialists
- Developers
- Testers
- Infrastructure
- Certified Experts (1,000+ Oracle certifications)

Application Management & Development Services (Infra and Apps)

- Oracle EBS
- Peoplesoft
- JD Edwards
- Hyperion
- ATG Commerce
- NetSuite
- Primavera
- Siebel
- Oracle Banking Products – OFSAA, Flexcube

Data Services

- Analytics
- Dashboards
- Data Strategy
- Data Governance
- Data Lake
- Data Modernization
- Visualization and Insights
- Oracle Database@Azure

Managed Cloud Services

- Private Cloud
- Disaster Recovery
- Backup/Restore
- Infrastructure as a service (IaaS)

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*Roadmap

A large U.S. financial institution

Financial Services

Modernizing and migrating to Microsoft Azure

A large U.S. bank had been relying on legacy systems and wanted to modernize and migrate to a hyperscale cloud provider.

Initially prompted by a data center closure, the migration provided an opportunity to evaluate and modernize the customer's infrastructure environment to better suit business needs.

Business Challenge

The customer needed to migrate Oracle Real Application Clusters (RAC) workloads from a legacy IBM data center and modernize its security and infrastructure to support business needs.

As more customers face the dilemmas of legacy systems and data center exits, successfully addressing these challenges requires modernization at scale.

Transformation

Kyndryl worked with the customer to leverage the data center closure as an opportunity to review and update the IT landscape.

After evaluating the architecture, Kyndryl redesigned the best approach to manage the customer's legacy data center workloads with managed services for Oracle Cloud Infrastructure (OCI) and Azure infrastructure as a service (IaaS).

Kyndryl worked closely with Oracle and Microsoft during the design phase to meet the customer's architecture needs and budgetary constraints.

Results

- Kyndryl migrated the main ERP system and other business applications for a total of 130 virtual machines (VMs) in a single weekend

- Kyndryl manages the customer's cloud infrastructure from the operating system to the database and actively optimizes cost and performance variables to maximize cloud resources

- The customer benefits from advanced security capabilities and a more highly available hybrid environment powered by Oracle Cloud Infrastructure (OCI) and Microsoft Azure (via Oracle Interconnect for Microsoft Azure) under the Kyndryl umbrella

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Thank You