

kyndryl™

Kyndryl Services for Oracle Database@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)



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 & Edae

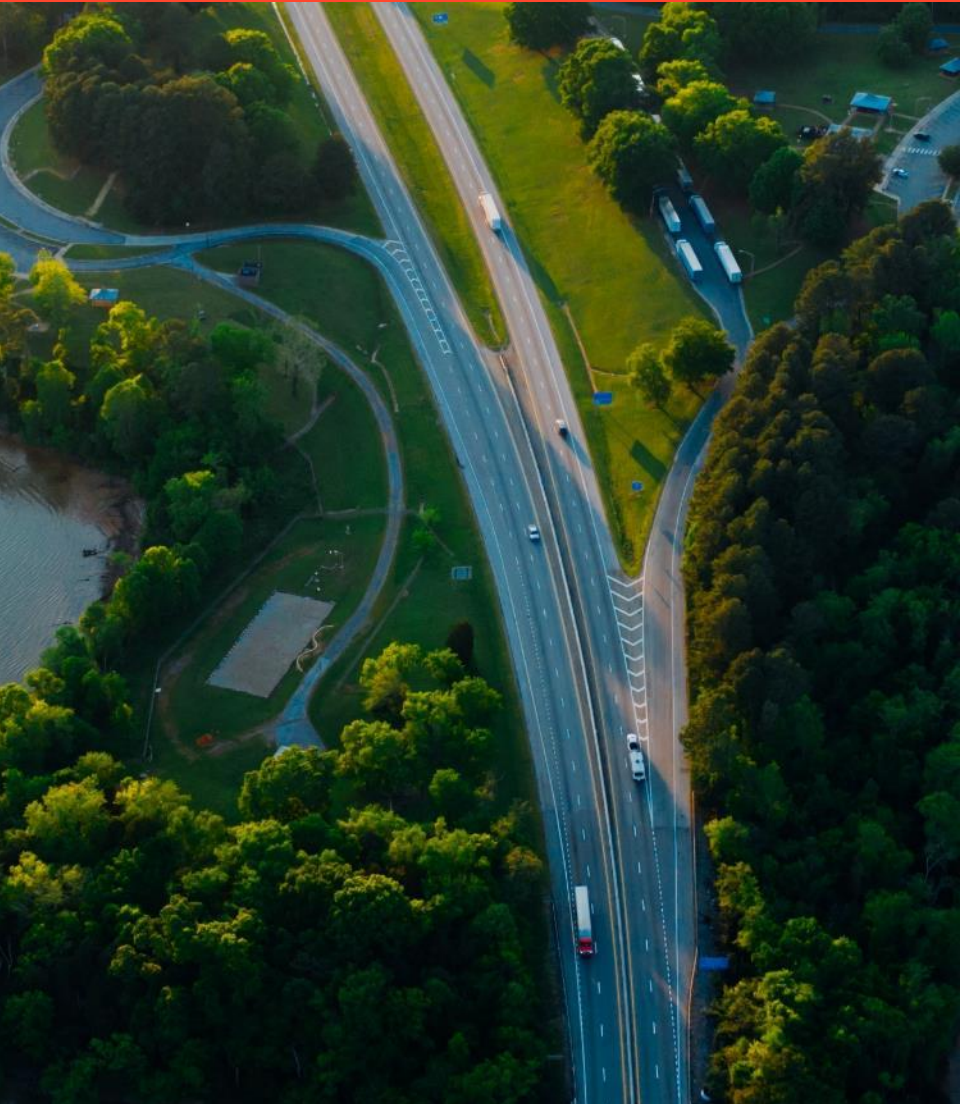
Provides unified Network Services for Microsoft Cloud and data center connectivity



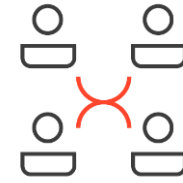
Security & Resiliency

Providing full application platform hosting and expert assistance for application modernization

Kyndryl offers an integrated portfolio of services to help you maximize your Oracle investments and leverage Oracle innovations



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 services for Oracle Database@Azure

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



Database Consolidation Assessment



Database Migration and Modernization



Managed Database Services

How Kyndryl can help

Services include:

- Technical footprint assessment and advisory services to realize the business benefits of database migration and consolidation
- Database landscape modernization: upgrading database versions, decommissioning, right-sizing in the cloud
- Design and implement Disaster Recovery (DR) and High Availability (HA) solutions
- Expert support for Exadata technology including Oracle Exadata Cloud Service (ExaCS), Oracle Exadata Cloud@Customer and on-premises
- Migration and modernization to Azure and ongoing management

Expertise:

- Kyndryl has been an Oracle partner for over 30 years
- Our consultants have decades of experience delivering Oracle projects worldwide

Customer benefits

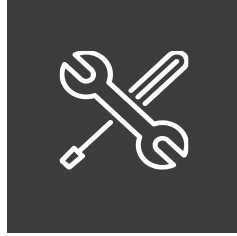
Consolidating, migrating, modernizing and managing your Oracle database and applications on Azure:

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

Kyndryl's database migration and modernization services address many common business challenges



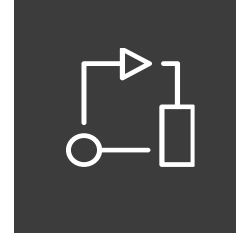
Lines of business need flexible, agile approaches to accurately predict database migration costs.



Oracle skill and resource shortages can make projects more time consuming and less efficient.



Projects can be hampered by a lack of database migration standards and consistent, globally available discovery, planning and execution methods.



IT staff may require more bandwidth to support projects.



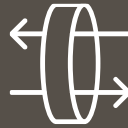
Staffing shortages and change management issues can impact the business.



Flexible, modular database migration services with predictable, repeatable results.



Kyndryl database migration services provide Agile delivery and continuous improvement to maximize learnings and manage costs and risk.



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



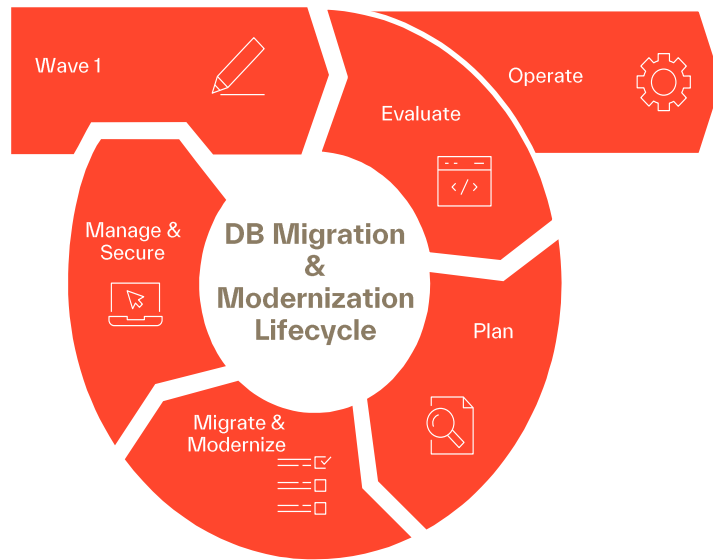
Agile squads to support global database migration projects of various sizes and complexities.



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

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

Oracle database migration services need to be as effective, smart, and flexible as your business demands



Evaluate and Roadmap

Strategy and planning for Oracle database migration and modernization, cost optimization, cloud readiness and migration planning

Migrate and Modernize

Detailed discovery, planning and execution of modernization patterns, automations, testing, validation and handover

Manage and Secure

Maintain, remediate, and upgrade critical database workloads in highly resilient environments to minimize business disruptions

Automated repeatable tasks and integration with migration tools and Oracle cloud-native tools

Oracle Database Consolidation Assessment



Database Consolidation on Azure

Enable customers to understand their database sprawl and determine opportunities for optimization, standardization and cost reduction

Triggers:

- Consolidate database servers
- Migrate databases across servers and **reduce server footprint**

Customer Challenges:

- Maintaining multiple versions and **database deployment models**
- Managing operational costs, hardware and operating systems
- Oracle skills and experience

Value Proposition

- Performance optimization
- **Reduced** IT expenses and higher ROI

- Identify opportunities to standardize and simplify database sprawl and **reduce** operating expenses
- Identify strategies to address IT overhead and optimize licensing costs
- Identify and **analyze storage** objects in database sources, analyze features, and map to target database
- **Tools & Accelerators:** Kyndryl software-defined migration and modernization platform, Azure-Oracle license optimization program and Oracle Enterprise Manager
- **Supported Target:** Azure VM and Oracle Database@Azure

Performance Measurement



Oracle License Optimization Program / Oracle Enterprise manager

TCO Optimization



Oracle Database Migration



Database Migration and Modernization

As-is database migration from any source to Azure

Triggers:

- Datacenter exit requires database migration to the cloud
- Microsoft Azure Consumption Commitment (MACC) opportunities to run Oracle databases close to Azure applications
- Slow performance of applications leveraging Oracle-Azure interconnect
- End of Life Exadata support

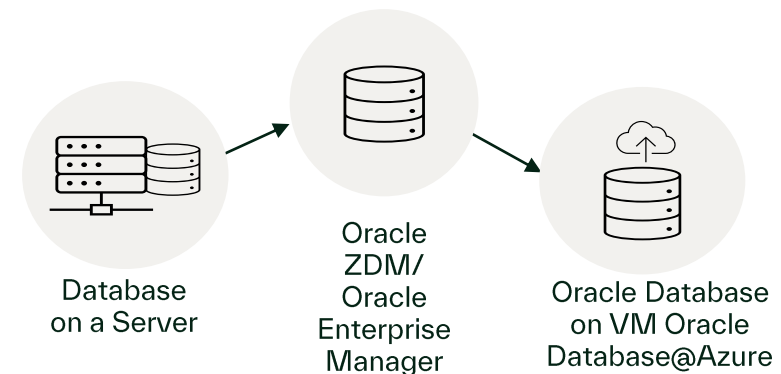
Customer Challenges:

- Network performance/latency
- Lack of Exadata skills

Value Proposition

- Transform to **cost effective**, flexible cloud managed databases
- Benefit from Kyndryl's Oracle and Azure skills and expertise

- Discover and assess source databases for adoption of cloud database services
- Consolidate database servers leveraging Exadata technology
- Migrate and modernize databases to VM service and leverage Oracle Database@Azure for Exadata workloads
- Managed services for database workloads
- **Tools:** Kyndryl software-defined migration and modernization platform, Oracle Enterprise Manager-native and Oracle Zero Downtime Migration (ZDM)



Managed Database Services



Physical and Logical and Database Support

Configuration, maintenance and administration of migrated databases (production/non-production regions) on Azure

Standard Support

- Delivered using a global model where resources are shared across several customers
- Standardized tools/processes deliver economies of scale
- Fixed delivery centers across 3 time zones for around the clock service

Dedicated Support

- Delivered through dedicated resources to meet customer requirements
- Leverages customer-specific tools/processes
- Ability to support a variety of features

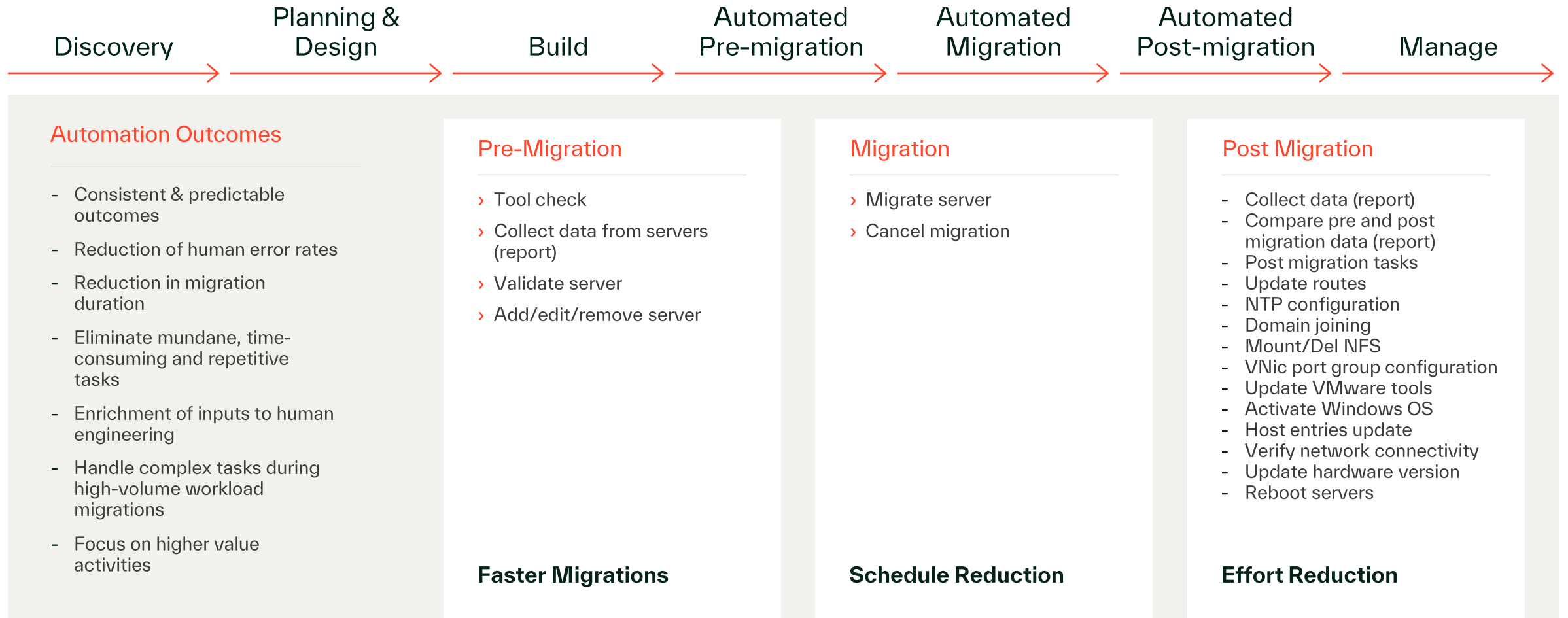
- Create and maintain Standard Operating Procedures (SOPs)
- Incident, Problem, and Change (IPC) management and reporting
- Database monitoring (service health and performance)
- Database security
- Database backup and recovery
- Database Disaster Recovery (planned and unplanned)

Logical Database Management:

- Define database entities, attributes and relationships
- Execute object DDL to create database objects
- Database scripting and debugging assistance
- Perform initial and ongoing SQL performance reviews
- Review database code as part of data object review
- Review stored procedures
- Modify database configuration values (fix performance issues)
- Execute data manipulation (insert, update, delete), transformation, masking, scrubbing scripts

Kyndryl software-defined migration and modernization platform

Automation framework enables 'low-touch' to 'zero-touch' automation of repeatable manual tasks in the Pre-Migration, Migration and Post-Migration phases



Migration and modernization: Use cases and driving factors

Business needs driving enterprises to Oracle modernization

Triggers

01

- Need to migrate applications on Oracle database to the cloud
 - Oracle Real Application Clusters (RAC)
 - Oracle Exadata

02

- Fully modernize from on-prem to cloud
- Aging infrastructure and outdated systems that are expensive to refresh and upgrade on-prem

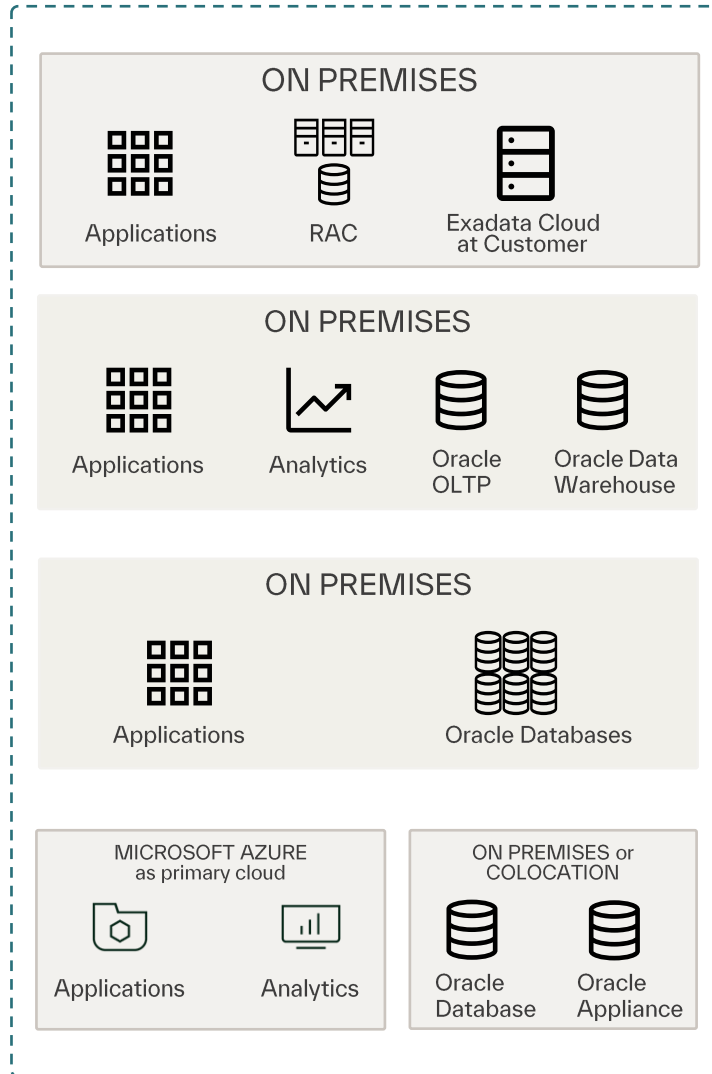
03

- Oracle database consolidation from on-prem to cloud and simplified management
- High Availability / High Resiliency performance needs

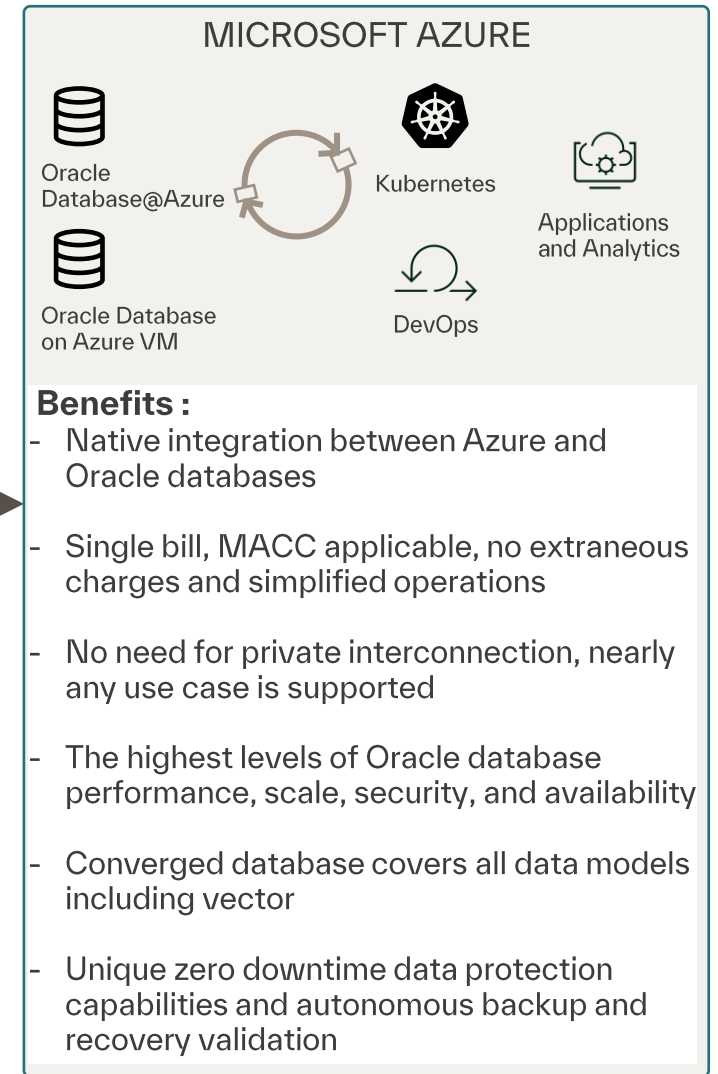
04

- Disconnected systems, complicated integration that is difficult to maintain
- Multi-vendor support challenges

Current State



Oracle Database@Azure





Thank You

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