Moving and Modernizing Oracle Packaged Apps

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Challenges facing business leaders

As organizations continue to be forced to cut costs, today's business leaders must find ways to realign their strategies for moving and modernizing packaged applications.

Chief information officers (CIOs) and IT directors

→ Are under constant pressure to keep costs down.

→ Must prove strong expected total cost of ownership (TCO) and return on investment (ROI) to gain executive support for large-scale migration efforts.

→ Must ensure that cloud migration has minimal impact and does not negatively affect investment, governance, security, and business continuity.

Enterprise/application architects

→ Must assess technical feasibility and develop a solid understanding of how migration will fit into an organization's overall technology design plan.

→ Must learn how audio unit (AU) apps will integrate with cloud-based databases and infrastructure.

Line of business (LOB) leaders

→ Are concerned about the pace of innovation.

→ Are eager to modernize end-to-end business processes.

→ Worry that they will be unable to deploy customer-facing apps (such as mobile and 360 engagement apps) quickly.

How Oracle can help

Oracle offers the ideal platform for moving Oracle apps and their associated databases to the cloud. Optimized for packaged applications, Oracle Cloud Infrastructure (OCI) is purpose-built for enterprise, with proven automation tools that expedite the transition to cloud. Benefits include:

→ The ability to focus on strategic priorities rather than on managing hardware and software.

→ Cost optimization that matches capacity to demand and eliminates the hardware refresh/capacity planning cycle.

→ OCI Lift Services that seamlessly lift and shift packaged apps to cloud.

→ Improved performance with Oracle Exadata Database Service, Oracle Real Application Clusters (RAC), and bare metal servers.

→ Comprehensive choices for hybrid cloud, including OCI Dedicated Region and Oracle Cloud VMware Solution.

→ Improved database efficiency via the fully automated, machine learning-based Oracle Autonomous Database.

→ Streamlined software development processes for greater agility with cloud native apps.

→ Continuous monitoring and reporting to simplify security and easily enforce maximum security for all your applications.

→ Apps that are smarter with Oracle technologies such as Oracle Digital Assistant, OCI Data Science, and Oracle Machine Learning (ML).

→ Self-service analytics for all your apps across the cloud.

→ The ability to migrate and build integrations to a broad ecosystem of Oracle and third-party software-as-a-service (SaaS) apps.

Oracle product overview

Oracle Cloud offers a suite of migration, provisioning, and management tools for Oracle packaged apps such as E-Business Suite, JD Edwards, PeopleSoft, Siebel CRM, Hyperion, and associated databases to expedite their transition to cloud. The Oracle automated migration and provisioning tools and Cloud Lift Services facilitate rapid deployment while maintaining key customizations. Service-oriented architecture (SOA) on Oracle Cloud Infrastructure (OCI) and Oracle Integration offer prebuilt connectivity between Oracle packaged, custom, and SaaS applications.

OCI provides performance levels designed to exceed on-premise deployments for apps and databases while maintaining the security, governance, and manageability required for enterprise-level workloads. Minimal changes are required to move Oracle applications, reducing the cost and length of migration to cloud. Only Oracle Cloud offers access to proven technologies like Oracle Real Application Clusters (RAC), Oracle Autonomous Database, and Oracle Exadata, enabling customers to take advantage of the latest technologies. Customers can extend and modernize their Oracle applications with OCI services including Oracle Integration Cloud (OIC), digital assistants, mobile apps, and intelligent process automation.

OCI has features and tools that are designed to migrate and run Oracle's databases and business applications portfolio with unmatched scalability and reliability. You can move Oracle applications with minimal changes, reducing the cost and length of migration to the cloud. And only Oracle offers the ability to move your key SOA connections to the cloud "as is."

You can also incrementally refactor your apps through autonomous services, DevOps, and Oracle Container Engine for Kubernetes, or leverage the suite of Oracle SaaS applications that integrate with your packaged apps. Further, Oracle's capabilities for multicloud, smart applications such as Oracle Digital Assistant and Oracle Analytics help you extend the capabilities of your existing systems and data.

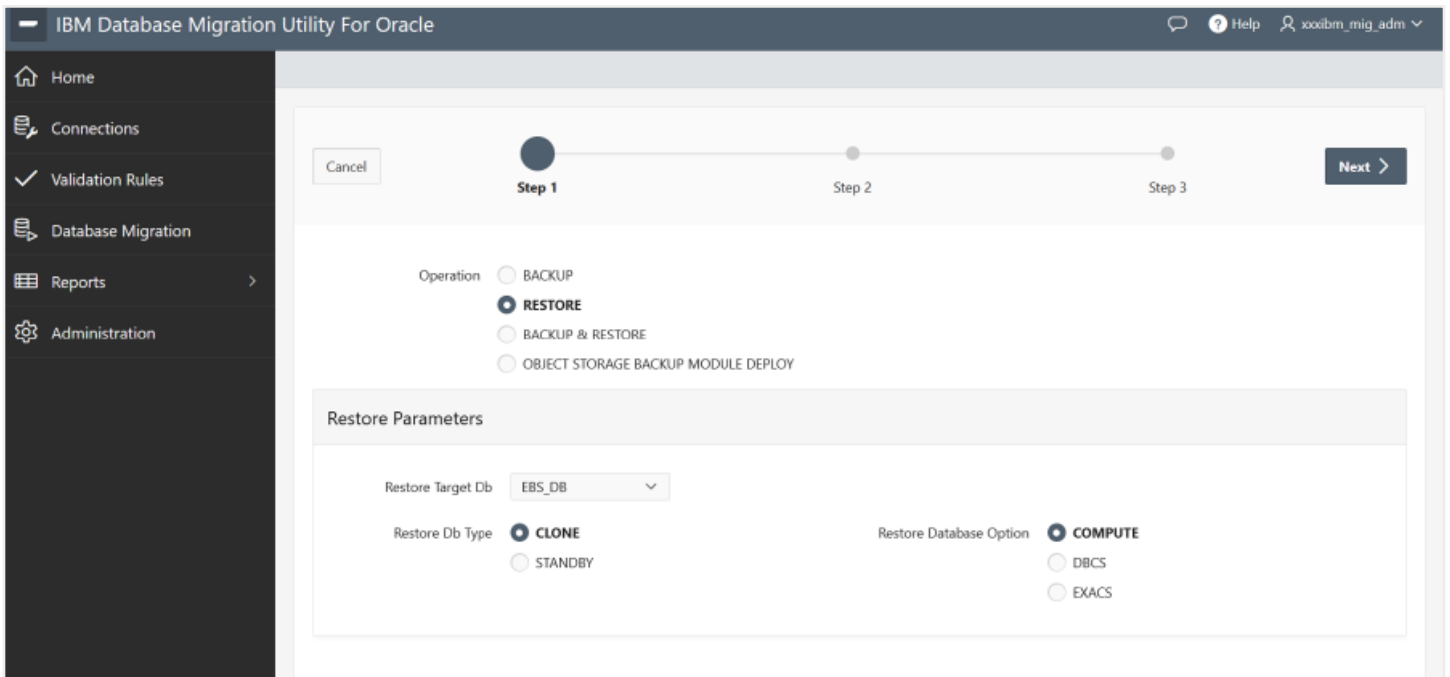# Oracle solutions amplified by IBM

IBM adopts a holistic, factory-based migration approach to help our clients move their applications and databases to the cloud. IBM workbooks capture the detailed steps to be followed for application and database migration, and our tools accelerate the migration process while reducing risk.

IBM Rapid Move for Oracle streamlines the migration of workloads to OCI.

	Startup	Discover	Deliver	Test and Deploy	Manage
Governance	Executive alignment, business case, and roadmap	Migration strategy, wave plans, runbooks, test strategy, project plan, change management plan			Unified management portal

Engineering service desk

Continuous innovation

Upgrades and SaaS |
Application	Pain point identification, OCI vs SaaS assessment	Affinity, dependencies, integrations	Move binary, file system, repoint integrations	Sanity, regression, DR	
Database	End of support / end of life assessment	Volumetrics, installations, environments	Backup-restore, replicate, logical move, hybrid	Performance, DR	
Infrastructure	Pain point identification, HW refresh assessment	Affinity, performance, utilization, AD	System build (VM, storage, network), DR, security	Health check, DR, scans, and penetration test	
	IBM BlueCAT	**IBM Cardinal**	**IBM Click2Migrate**	**IBM IGNITE**	**IBM Unified Portal**
	IBM CIA Diagnostic Toolkit		**IBM Golden Templates**	**IBM X-Force Red, QRadar**	

IBM Click2Migrate tool automates the migration of on-premise database workloads to OCI.

While moving to cloud is only the first step, we help our clients unlock higher value from their applications by leveraging Oracle cloud native and open-source technologies. IBM Clean Core strategy ensures that primary application functionality is retained at the core, and we build around that using modern technologies to tap into innovation and reduce technical debt.

IBM Clean Core focuses on reducing clutter and breaking free from legacy dependencies.

IBM Oracle Clean Core Capabilities

Process Optimization
- Blueprint
- Mining

Infrastructure Modernization
- Move to OCI
- Cloud@Customer
- VMware on Cloud
- Azure Interconnect

Integration
- Application
- Data
- Messages

Reporting and Analytics
- Data Warehouse
- Analytics
- AI/ML

Smart Contracts and Devices
- IoT
- Blockchain

User Interface Modernization
- Low/No Code
- Responsive Design
- Mobile Apps
- Chatbots

Database Modernization
- DBaaS
- Extreme Performance
- Autonomous DB

Cloud Native
- Design → Microservices, APIs, Serverless
- Deployment → Containers, DevOps
- Monitor and Test → Observability, Log Management, Service Mesh

We bring in our rich delivery experience, thought leadership, development platforms, assets, and ecosystem partnership to provide you with a unique experience as you embark upon your journey to cloud. From our cloud native development platform powered by Terraform and Ansible, to our intelligent workflows developed using exponential technologies such as the Internet of Things (IoT), blockchain, and robotic process automation (RPA), to our AI or predefined process flows developed with IBM Blueworks Live and optimized using Celonis, we will deliver what it takes to help you differentiate in the marketplace.

The benefits for business leaders

Powered by Oracle and amplified by IBM, our solutions allow business leaders to address their challenges, elevate their infrastructure, and optimize their workloads.

Chief information officers (CIOs) and IT directors

- Reduce costs and modernize IT by leveraging OCI price/performance.

- Eliminate capital expenditures and cut operating expenses with automated management.

- Preserve investments by moving on-premise apps with key customization and SOA connections to the modern cloud platform.

Enterprise / application architects

- Scale applications and related resources for peak workloads.

- Quickly provision resources, deploy apps for faster time to value.

- Focus on continuous innovation, not infrastructure management.

Line of business (LOB) leaders

- Easily scale their applications' footprint while maintaining continuous access to data at low cost.

- Quickly deploy new application upgrades and gain end-to-end process visibility.

Learn more

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