Top 10 Reasons to Adopt Oracle Cloud

How Oracle Cloud Infrastructure and Oracle Autonomous Database accelerate business innovation.

ORACLE Cloud

1

Oracle delivers a second-generation cloud.

Oracle Cloud Infrastructure offers tools and architecture that help enterprises seamlessly move from on premise to the cloud, leveraging improved automation and built-in security to mitigate threats, ultimately supporting superior migration and economics.

Oracle Cloud Infrastructure is built for innovation. This includes industry-leading scalability and availability, integrated governance and control, and reliability backed by end-to-end SLAs. Oracle's cloud mission extends to supporting emerging technologies such as AI, machine learning (ML), the Internet of Things (IoT), blockchain, and human interfaces.

Oracle's enterprise customers have progressed from experimenting with these technologies in a sandbox to implementing them for mission-critical applications, building new business models, and creating new business value.

Oracle Cloud Infrastructure addresses key issues associated with first-generation cloud solutions, which were not developed to handle large financial systems, government workloads, or data-intensive applications. First-generation cloud solutions were built on decade-old technology in which performance, security, and migration options were afterthoughts. Oracle Cloud Infrastructure's next-gen architecture specifically meets the needs of today's enterprise by providing faster and more predictable performance, better pricing and security, and enhanced compatibility for enterprise workloads.

Oracle is the only provider that delivers IaaS, PaaS, and SaaS services as part of its second-generation cloud offering. And Oracle Autonomous Database services leverage the same high-speed network as other **Oracle Cloud Infrastructure** services—enabling you to deploy mission-critical applications rapidly in support of continuous innovation.

1 Andrew Reichman, "Oracle Tests Better in Performance than Amazon Web Services," Oracle, September 18, 2018, blogs.oracle.com/cloud-infrastructure/oracle-tests-better-in-performance-than-amazon-web-services.

2

Oracle Cloud supports your long-term plans.

Oracle Cloud Infrastructure represents a fundamentally new, second-generation public-cloud architecture that serves as the foundational layer for Oracle Cloud. The infrastructure is specifically designed to provide the performance predictability, core-to-edge security, and governance required to support mission-critical, performance-intensive workloads.

Oracle Cloud supplies the compute, storage, database, networking, and platform services you need to deliver robust business outcomes as you rethink your data center needs.

3

Capabilities to optimize performance.

Oracle's IaaS offering delivers a diverse range of capabilities unmatched in the industry—from its second-generation platform and suite of bare metal services to remote direct memory access (RDMA) for technical computing clusters. This differentiation enables Oracle Cloud Infrastructure's guarantee on both predictable performance and customer isolation.

Oracle Cloud Infrastructure also opens the door to new innovations such as Oracle Autonomous Data Warehouse and Oracle Autonomous Transaction Processing. Autonomous workloads run best on an infrastructure designed to provide low latency, high availability, resiliency, and consistent performance. This means your data is stored in Oracle's object storage and multiple copies are automatically replicated—providing high availability and resiliency. Oracle's autonomous self-repairing capabilities ensure that your data remains healthy and users can always access the last-known reliable version.

4

Defense in depth.

Security is a key design principle within Oracle Cloud Infrastructure. Oracle offers core-to-edge protection such as customer isolation, data security, internal-threat detection, and highly automated threat remediation. Oracle's infrastructure isolates compute and network resources to ensure that your personal data and traffic are shielded from other users. It also separates your code, data, and resources from management machines—helping prevent attackers from stealing or manipulating data in the cloud.

Oracle Cloud presents a limited attack surface through granular customer isolation. Layers of defense with built-in firewalls, DDoS, and encryption proactively detect and stop threats. Customers can establish identity at the new perimeter and use adaptive authentication to automatically add further verification when user activity indicates higher levels of risk. Finally, Oracle has one of the industry's broadest portfolio of **security services,** spanning cloud and on-premise solutions.

5

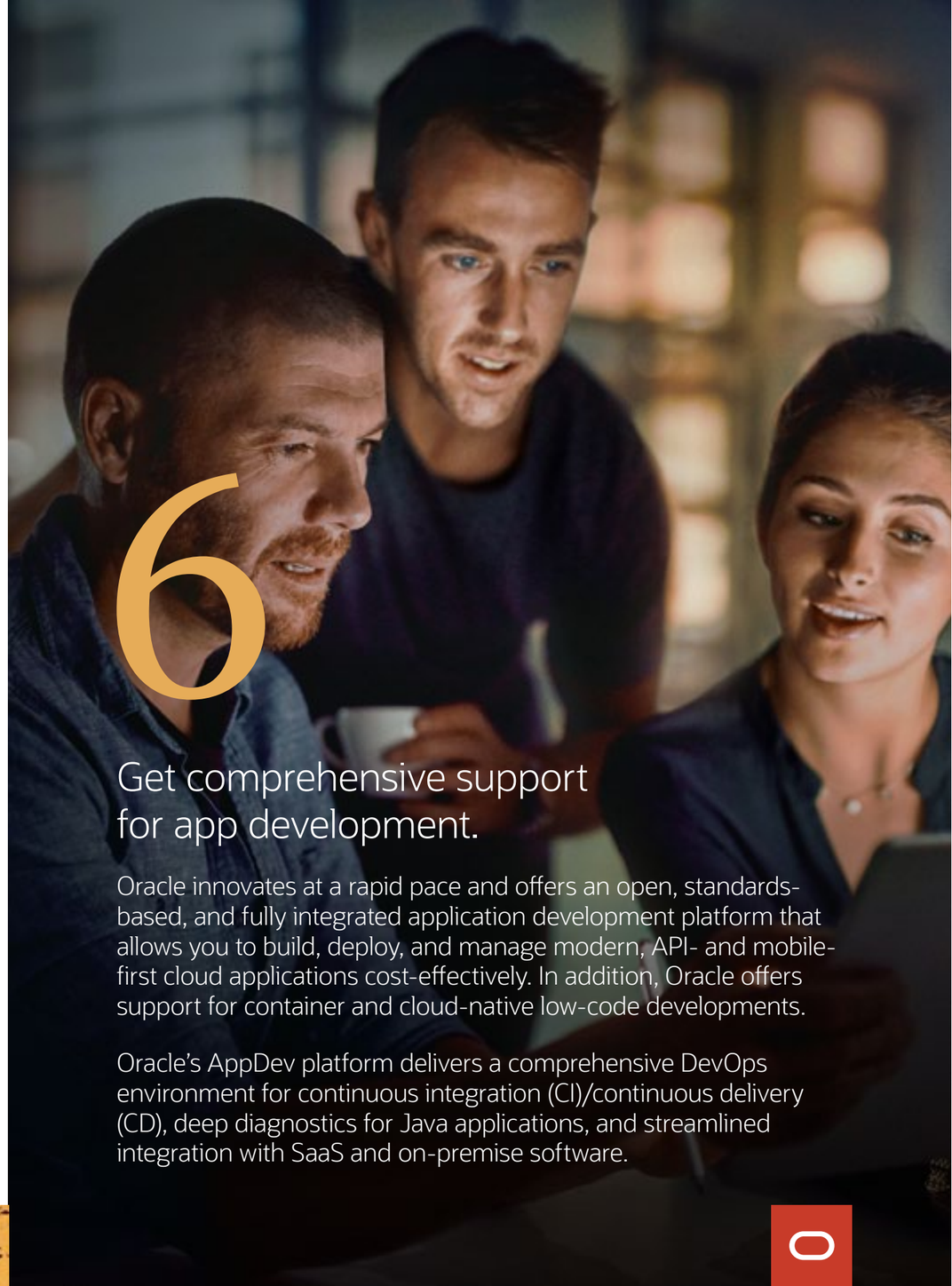
Optimized for Oracle workloads.

Oracle Cloud Infrastructure offers several unique features and tools that support migrating and running Oracle's databases and business applications portfolio efficiently. Minimal changes are required to move Oracle applications, reducing the cost and length of migration to the cloud. It's Oracle's priority to offer the latest hardware and technologies, improving performance for customers consistently.

Oracle Databases scale to many times the storage capacity and performance of competitors', reaching up to 40 terabytes of capacity and millions of input/output operations per second (IOPS) per instance. When maximum IOPS are required to run the most demanding Autonomous Database workloads, Oracle offers the industry's largest amount of local, all-flash nonvolatile memory express (NVMe) storage (up to 51.2TB per instance). Running Oracle Real Applications Clusters (Oracle RAC) on Oracle Cloud Infrastructure provides database high availability (HA) with failover in seconds, performance scaling into the hundreds of thousands of IOPS, and seamless operations via rolling patches and upgrades. This offering introduces a new cloud-based standard for production database applications.

Oracle Exadata Cloud enables customers to run partial or full-rack Exadata form factors in the same enhanced regions, and on the same virtual cloud networks as bare metal compute and other Oracle Cloud Infrastructure services—controlled with the same set of governance tools, and accessible via the same console/APIs.

Oracle Cloud Infrastructure offers a suite of migration, provisioning, and management tools for key Oracle applications including Oracle E-Business Suite, and Oracle's PeopleSoft, Siebel, and JD Edwards, as well as for customizations and associated databases, helping customers expedite their transition to cloud. Specifically for Autonomous Database, Oracle Cloud Infrastructure optimizes analytics and transaction processing workloads. It is purpose-built to run ML workloads to deliver AI-based insights, enabling the customer to connect multiple data sources and bring together key data to support informed business decisions. Oracle Cloud Infrastructure is also the foundation for new leading-edge services including integration, containers, microservices, and blockchain, and it provides the enhanced scale to support IoT deployments.



6

Get comprehensive support for app development.

Oracle innovates at a rapid pace and offers an open, standards-based, and fully integrated application development platform that allows you to build, deploy, and manage modern, API- and mobile-first cloud applications cost-effectively. In addition, Oracle offers support for container and cloud-native low-code developments.

Oracle's AppDev platform delivers a comprehensive DevOps environment for continuous integration (CI)/continuous delivery (CD), deep diagnostics for Java applications, and streamlined integration with SaaS and on-premise software.

7

Maximized price/performance.

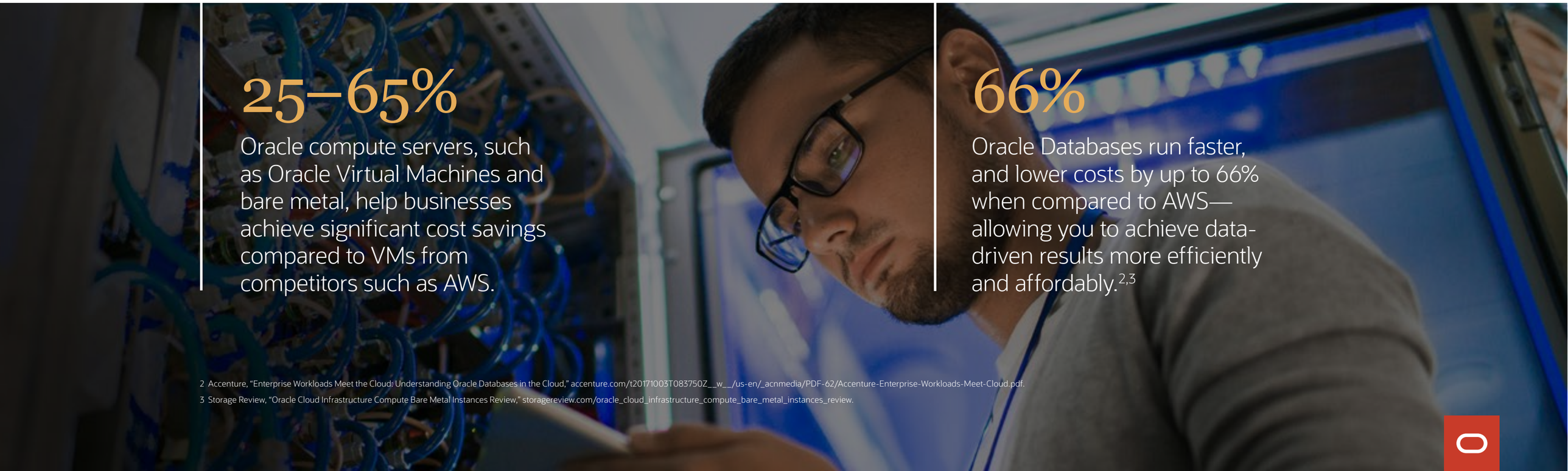
Oracle Cloud Infrastructure provides the best price/performance available in the market to date. Workloads deployed on Oracle Cloud Infrastructure often require fewer compute servers and block-storage volumes—lowering the cost of delivering optimized workload performance.

The nonblocking architecture of Oracle Cloud Infrastructure not only helps minimize latency; it also reduces the risk of other network users' impacting customer environments, and is backed up by the industry's most complete, financially backed, end-to-end SLAs.

8

Oracle Cloud outperforms AWS.

Oracle Cloud provides optimal performance at the lowest cost, making it the best option to run Oracle Database—the industry standard for mission-critical enterprise applications. AWS does not offer Oracle RAC, Oracle Autonomous Data Warehouse, or Oracle Autonomous Transaction Processing, and Amazon Aurora locks customers into AWS, while Oracle Database delivers multivendor flexibility.



25–65%

Oracle compute servers, such as Oracle Virtual Machines and bare metal, help businesses achieve significant cost savings compared to VMs from competitors such as AWS.

66%

Oracle Databases run faster, and lower costs by up to 66% when compared to AWS—allowing you to achieve data-driven results more efficiently and affordably.[2,3]

2 Accenture, "Enterprise Workloads Meet the Cloud: Understanding Oracle Databases in the Cloud," accenture.com/t20171003T083750Z__w__/us-en/_acnmedia/PDF-62/Accenture-Enterprise-Workloads-Meet-Cloud.pdf.

3 Storage Review, "Oracle Cloud Infrastructure Compute Bare Metal Instances Review," storagereview.com/oracle_cloud_infrastructure_compute_bare_metal_instances_review.

9

Oracle Cloud supports SMB growth.

Oracle Cloud is designed with all enterprises in mind, including SMBs. That's because SMBs grow larger and often experience a significant spike in application adoption rates. Nevertheless, they can still encounter the same challenges as larger enterprises. Oracle Cloud supports the planned **growth of SMBs**—offering traditional and modern tools for developers and mission-critical workloads.

10

Oracle and Microsoft provide a connected cloud.

The cloud interoperability partnership of Oracle and Microsoft technologies supports both line-of-business and mission-critical applications. Customers can now migrate to the cloud or build new applications leveraging the best of Oracle Cloud including Oracle Autonomous Database, and the best of Microsoft Azure with seamless interoperability.

This strategic partnership provides a new set of capabilities to enable joint customers to more easily move to the cloud, including

- Cross-cloud interconnect
- Integrated cloud services
- Collaborative support model
- Flexibility of application deployment

A customer's primary option to ensure the highest performance continues to be running Oracle applications on Oracle Cloud Infrastructure.

Learn more

Oracle Cloud is free to trial, offering you the chance to explore the world's first self-driving, self-securing, and self-repairing autonomous database. Leverage this trial and discover the top-performing, most-cost-effective VM compute instances.

To arrange a trial, please visit **oracle.com/cloud/free,** or contact your **Oracle account team.**