Oracle Cloud Infrastructure

OCI is your enterprise data center in the cloud

# Oracle Cloud Infrastructure is a cloud built for you

Oracle Cloud Infrastructure (OCI) is purposefully designed for customer usage, leveraging the latest advances in hardware design and reimagining the cloud for truly enterprise workloads as well as cloud native applications. OCI has also radically simplified the selection and operation of cloud infrastructure with a few powerful and flexible products that enable you to right-size compute, storage, and networking.

Rather than being created to sell unused capacity on existing infrastructure, OCI implements a design that enables consistent, low-latency connections for on­‑premises performance of enterprise-grade applications. Workloads are isolated by dedicated hardware that provide “off-box” security and native inclusion of virtualization technologies, like VMware. This design allows customers to directly move workloads from their current environment onto OCI, rapidly, with minimal change.

# OCI is a hyperscale cloud

In December 2023, Gartner’s *Magic Quadrant for Strategic Cloud Platform Services* saw OCI move into the Leaders quadrant. This is a significant acknowledgement that OCI is a hyperscale cloud, alongside AWS, Azure, and Google Cloud. Gartner goes on to say that “OCI supports all types of x86-based IT workloads” and “differentiates itself from other providers through its enhanced support for Oracle Applications, aggressive IaaS pricing, multicloud services, and wide variety of distributed and sovereign cloud options.”

As a hyperscale cloud, OCI provides over 100 infrastructure services and platform services in a resilient manner in over 48 regions across the globe. Gartner’s *Critical Capabilities for Strategic Cloud Platform Services* in December 2023 ranked Oracle the highest for “Digital Sovereignty” capabilities and use case. OCI offers public regions, available to all customers; EU sovereign region, operated as a distinct entity by EU citizens; and government regions, available to respective US, UK, and Australian governmental organizations, including defense and top-secret users. OCI offers the same services in an on‑premises offering, Dedicated Region.

# A cloud built for enterprise workloads

According to a recent analyst report, only 30% of on‑premises workloads have been migrated to the cloud. There are many reasons why companies keep workloads in their data center, but a significant factor is the inability of the other cloud providers to provide a performant environment without re-writing entire applications.

OCI, having learned from the experiences of other cloud providers, is designed to provide high-performance, bare metal server capabilities rivaling on‑premises data centers. The network is specifically architected to provide consistent and low-latency connections required by enterprise workloads, especially cluster-based applications, like AI training. This is in contrast to the other hyperscale clouds that were originally built to service online shopping, search, and gaming businesses but then extended to become public clouds using spare capacity.

# A cloud with flexibility

OCI enables customers to match capability with their needs, not preconceived notions. OCI Compute is available in increments of a single CPU, from one to the architectural maximum (AMD, Intel, or ARM). Customers select and pay only for the performance they need, scaling up or down at their choice. Other cloud providers offer compute in only fixed sizes and configurations, forcing a choice between too little performance and over-paying for excess capacity.

OCI also offers block storage with dynamic performance that can be automatically tuned without stopping and restarting the workload.

# A cloud that fits your budget

OCI offers IaaS and PaaS services at cheaper rates than other clouds, providing significant cost savings. Other cloud providers make their margin on core infrastructure—compute, storage, networking—while OCI focuses on performance and distributes margin across the service layers. OCI Compute costs less for the same capability found in other hyperscale clouds. Data egress costs can be 10X less, allowing customers to integrate data with on‑premises data centers or other clouds. OCI Block storage costs less even while providing significantly more IOPS performance.

Importantly, OCI charges the same per-service rate in all regions, allowing customers to move workloads while keeping the same cost structure. Other cloud providers vary the cost of their services, depending on the region.

# Best cloud for Oracle Database

Oracle designed OCI to be the premier environment for Oracle Database, offered as a service, optionally on purpose-built hardware. Only on OCI is multi-node RAC supported, which provides Oracle Database with high availability and resilience. Only on OCI are all editions and options of Oracle Database available, including Enterprise and Extreme Edition.

On OCI, customers with existing licenses are entitled to two OCPUs (full processors) for each Oracle Processor License.

# The only cloud with built-in enterprise applications

Oracle has long been known for its suite of enterprise applications. Oracle Fusion Cloud Applications provide ERP, HCM, SCM, marketing, sales, and service capabilities. They are also certified and optimized to run on OCI, providing customers a comprehensive solution for enterprise application needs.