

Oracle Cloud VMware Solution

Move workloads rapidly and efficiently across on-premises and Oracle Cloud

BENEFITS

- Maintain complete administrative control over the entire cloud environment.
- Migrate VMware-based workloads with Oracle native services quickly, seamlessly.
- Manage applications through a single VMware design across on-premises and Oracle Cloud.
- Secure and back-up data and workloads across any Oracle Cloud Region location globally.

Migration to the cloud has redefined the relationship between IT and the enterprise. Cloud-native services and applications reduce IT cost structures, accelerate new revenue-generating solutions, and create improved workload management and application development models. Today's IT teams are more efficient and more effective in driving desired enterprise business outcomes.

As cloud technologies continue to evolve, common business challenges arise in migrating workloads seamlessly across on-premises software-defined data centers and public cloud environments. Building an integrated infrastructure, management, and application development stack to manage workloads across on-premises and public cloud workloads is now a strategic imperative. A unified on-premises and public cloud platform empower IT organizations to preserve their existing on-premises investments across tools, training, operations while providing the agility, economics, and scale of modern public clouds.

Oracle Cloud VMware Solution overview

Oracle Cloud VMware Solution integrates VMware on-premises tools, skillsets, and processes with public Oracle Cloud services. The Solution is a customer-managed, native VMware cloud environment based on VMware Validated Design for use with the public Oracle Cloud. It allows enterprises to access the scale and agility of the Oracle Cloud while extending VMware-based workloads and applications across the Oracle Cloud. It also empowers enterprises to reduce operational costs and complexity, while mitigating operational risk.

Oracle Cloud VMware Solution leverages VMware Cloud Foundation compute, network virtualization, and storage functions deployed to Oracle bare-metal hosts in the Oracle Cloud. This consistent, unified cloud infrastructure and operations platform will enable your enterprise to migrate and modernize applications faster while seamlessly moving workloads between on-premises environments and Oracle Cloud at scale. Enterprises can now move or extend VMware-based workloads without rearchitecting applications or retooling operations. Your IT teams can also easily leverage Oracle services, such as Oracle Autonomous Database, Exadata Cloud, and Database Cloud, from the same cloud data centers, on the same networks, with consistent portal access and modernized APIs.

Oracle Cloud VMware Solution also includes VMware HCX, a hybrid cloud extension that functions as an application mobility platform plug-in across the Oracle and VMware environments. It further simplifies application migration, workload rebalancing, and business continuity across multiple data centers and clouds. Oracle Cloud VMware solution is a "cloud-first" solution that is operational agile, grows capacity, saves management time and costs due to economies of scale. On-premises workloads can be ported to the Oracle Cloud in hours or days rather than months or years. Figure One depicts the Oracle Cloud VMware Solution architecture topography.

WHY ORACLE CLOUD VMWARE SOLUTION?

Global Availability, High Performance
Scale capacity of all workloads, without ingress or egress charges, across 20+ Global Oracle Cloud data centers with Oracle FastConnect.

Unified Platform

Drive innovation by seamlessly migrating VMware native workloads with Oracle adjacent services, including Oracle Exadata, Autonomous Data Warehouse, and Autonomous Database.

Solution Management

Maintain complete administrative control of the entire Oracle Cloud VMware Solution within your enterprise.

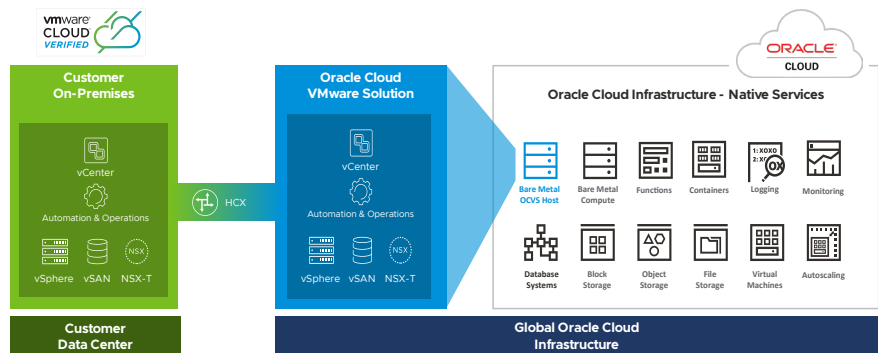


FIGURE 1: Oracle Cloud VMware Solution

Increase cloud scale and capacity

Oracle Cloud VMware Solution empowers the enterprise to grow cloud-scale and capacity quickly and cost-efficiently by combining on-premises data centers with the Oracle public cloud. Workloads can be migrated across your VMware on-premises instances to the Oracle Cloud within minutes. Your operation maintains complete control over cloud access and tenancy, including the operating system and software version management. Now your enterprise can access its on-premises data centers and Oracle Cloud Services using the same applications, tools, processes, and policies you use today with no changes. Oracle Cloud VMware Solution reduces workload migration risk by lifting and shifting your applications to the cloud “as-is” while maintaining existing operational management policies.

Modernize applications

Oracle Cloud VMware Solution allows enterprises to modernize applications across virtual cloud networks and adjacent Oracle Cloud Infrastructure services. Your IT teams have access to VMware-native tools to support containers, microservices, analytics creation, and management across the entire on-premises and Oracle cloud footprint. VMware-based applications can be moved across Oracle Cloud without the need for manual porting, refactoring code, or resolving configuration differences.

Secure and protect workloads

Oracle Cloud VMware Solution can replicate or back-up data, workflows, and applications across on-premises and Oracle Cloud in any commercial or government Oracle Cloud Region worldwide. The benefit is assured business continuity and disaster recovery in the event of a failure at any point across the cloud environment. Security rules are built-in and across Oracle Cloud VMware Solution providing built-in tenant isolation, least privilege access, data encryption at rest, and complete administration permissions inclusive of root access. These rules assure that enterprise workloads, applications, and data are isolated, managed, and protected under the control of your business operations.

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<https://cloud.vmware.com/oracle-cloud>