



Oracle Cloud VMware Solution

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

Benefits

- Maintain complete administrative control over the entire cloud environment.
- Migrate VMware-based workloads to Oracle native cloud quickly and seamlessly.
- Manage and modernize applications through a single control plane across on-premises and Oracle Cloud.
- Secure and back-up data and workloads across any Oracle Cloud regions 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 is a customer-managed, VMware Cloud™ based environment consisting of VMware vSphere®, VMware vSAN™, VMware NSX-T Data Center™ and VMware vCenter Server®. Customers have full control VMware environments while leveraging the capabilities of Oracle Cloud Infrastructure. Oracle Cloud VMware Solution provides bare metal compute, advanced L2 network and storage-rich infrastructure to deliver a full-fidelity VMware service for predictable application performance. Oracle Cloud VMware Solution is designed for dynamic, multi-cloud VMware environments.

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 Cloud services, such as Oracle Autonomous Database, Exadata Cloud and Database Cloud with consistent portal access and modernized APIs. Oracle Cloud VMware solution is a “cloud-first” solution that is agile, scalable and cost-effective. On-premises workloads can be deployed to the Oracle Cloud in hours or days rather than months or years.

Why Oracle Cloud VMware Solution?

Migrate VMware estate

Move VMware workloads to Oracle Cloud without having to modify them. Customers gain scale and agility while maintaining continuity with existing VMware-based tools, processes and policies.

Global availability, high performance

Provide bare metal instances with at least 156 cores and scale capacity across 30+ Oracle Cloud regions globally.

Ease of Operations

Rely on a single VMware specification that works both on premises and in the cloud. Avoid effort spent porting applications, refactoring code and resolving configuration differences.

Used the same VMware Tools

Leverage your existing skill sets with the tools you're already using on-premises, including vSphere, vCenter Server, vSAN, NSX and HCX. Extend your tested and proven on-premises IT deployment architectures and processes.

Dedicated environment with full control

Provide self-service provisioning with full administrative permissions including root access. Root access provides complete control over the entire hardware and software environment.

VMware Cloud Verified

Run VMware Cloud Foundation on Oracle's next-generation cloud, while retaining full VMware administrative access and compatibility with VMware vCenter.

Oracle Cloud VMware Solution includes VMware HCX, a hybrid cloud extension that functions as an application mobility platform plug-in across the Oracle Cloud and VMware environments. It further simplifies application migration, workload rebalancing and business continuity across multiple data centers and clouds.

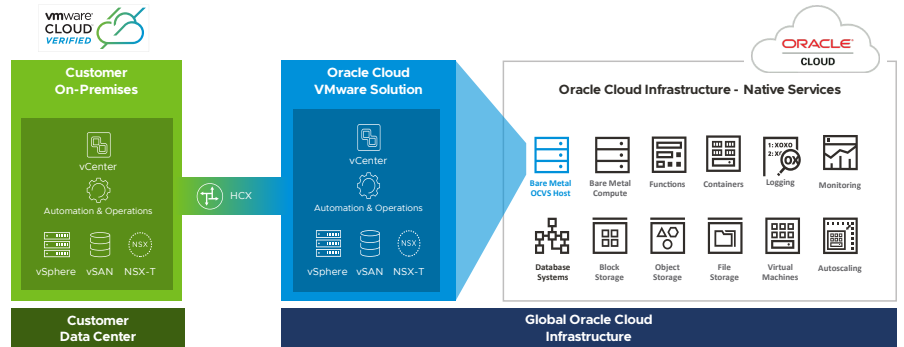


Figure 1: Oracle Cloud VMware Solution

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. With Tanzu Standard on Oracle Cloud VMware Solution, enterprises can accelerate application and infrastructure modernization by quickly adopting container and Kubernetes technologies on top of the hybrid cloud that provides flexible, scalable and resilient infrastructure that is optimal for running containerized modern workloads along with traditional VM-based workloads.

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 regions 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 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.

VMware Validated Solutions

Site Recovery Manager

Oracle Cloud VMware Solution customers can now protect their workloads using Site Recovery Manager for Oracle Cloud VMware Solution. With this solution, it is possible to securely replicate data to the cloud and utilize cloud infrastructure for disaster recovery operations. Site Recovery Manager for Oracle Cloud VMware Solution supports the flexibility and streamlined scaling of Oracle Cloud VMware Solution with the automation and orchestration of Site Recovery Manager. Organizations are always looking for ways to reduce costs and overhead, and Site Recovery Manager on Oracle Cloud VMware Solution enables that by eliminating the requirement for a dedicated DR site.

VMware Cloud vRealize Cloud Management

VMware vRealize® Cloud Management, the intelligent hybrid cloud management solution, is now available on OCVS. VMware vRealize Cloud Management empowers customers to consistently deploy and operate your applications, infrastructure and platform services from on-premises data center to the Oracle Cloud. Customers can accelerate innovation with quick and easy access to services, optimize performance by improving visibility and automation, and improve control of your environment while mitigating risks through unified operations and governance across on-premises data centers and native public clouds.

VMware Horizon

VMware Horizon® on Oracle Cloud VMware Solution delivers a full-stack software-defined data center (SDDC), including VMware vCenter®, vSphere ESXi™, NSX® and vSAN, delivered as a service on Oracle Cloud Infrastructure (OCI). Customers can scale up or down the resources in Oracle Cloud Infrastructure or in their data center depending on the need of their workloads while using the same VMware tools that they know. It comes with built in end-to-end security with isolated customer tenancy with a zero-trust architecture and leverages the

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existing hardened VMware security policies, process and tools in both on-premises and in the native cloud. With Horizon's Cloud Pod Architecture in the hybrid cloud setting, customers can meet use cases such as disaster recovery, business continuity and burst capacity.

VMware Tanzu Standard

VMware Tanzu is a portfolio of technologies to support modern apps and infrastructure for delivering better software to production faster. VMware packages Tanzu technologies into solutions that address the most common enterprise modernization challenges.

VMware Tanzu™ Standard edition on Oracle Cloud VMware Solution helps simplify Kubernetes adoption and management with industry-leading VMware Software-Defined Data Center (SDDC) technologies and Oracle Cloud high performance infrastructure and networking. With this solution, enterprises can deploy a consistent Kubernetes distribution across environments — on-premises on vSphere and VMware Cloud Foundation, on Oracle Cloud VMware Solution — and manage all the clusters consistently via a single control plane. Customers will maintain the established processes, automation, and policy around VMware infrastructure by migrating to Oracle Cloud VMware Solution. Lastly, customers have administrative control over the underlying VMware infrastructure, on which your Kubernetes workloads are running, and manage with a single point of governance.