

Oracle Cloud VMware Solution

Increase Business Agility: Seamless Integration with Oracle Cloud VMware Solution

Benefits

- Maintain complete administrative control over the VMware estates—both on-premises and in the cloud.
- Run VMware wherever you need in 48 commercial regions and 8 government cloud regions.
- Migrate VMware-based workloads to Oracle Cloud without rearchitecting or retooling.
- Provide direct access to Oracle Cloud native applications without latency.
- Offer extensive hardware configurations with choices of AMD and Intel from 12 to 128 cores per host.
- Secure and scalable infrastructure based on zero trust infrastructure with 27 compliance certifications.

TIM Brasil, one of the largest telecommunications providers in Brazil with more than 61 million customers, chose Oracle Cloud VMware Solution to migrate its 100% workloads to the cloud.

“Our proposal is to take the customer’s experience to a new level with more efficiency and agility, and always with the highest levels of security.”

Pietro Labriola
CEO
TIM Brasil

The adoption of cloud native services and applications have drastically changed how IT interacts with businesses. Companies are seeing major shifts in their IT spending with the result of cost reductions and better use of resources.

However, adopting native cloud, or transitioning to a cloud-native architecture, comes with its own set of challenges:

- Large upfront cost for refactoring and hiring new talents
- Limited configuration choices in the cloud
- Potential data latency issues due to lack of cloud regions
- Security and compliance concerns
- Inconsistent management tools and policies between on-premises and in the cloud

How Oracle Cloud VMware Solution address these challenges

Oracle Cloud VMware Solution is a customer-controlled environment and powered by VMware Cloud Foundation. Customers have full control of the VMware environments while leveraging the capabilities of the Oracle Cloud Infrastructure (OCI). 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.

With this reliable and fully integrated cloud infrastructure and operations platform, your enterprise can achieve faster application migration and modernization while seamlessly shifting workloads between on-premises environments and Oracle Cloud on a large scale. There’s no need to redesign applications or adjust operations when moving or expanding VMware-based workloads. With the direct access to native cloud, your IT teams can easily utilize Oracle Cloud services, including Oracle Autonomous Database, Exadata Cloud and Database Cloud, through a consistent portal access and updated APIs. The Oracle Cloud VMware Solution prioritizes the benefits in the cloud, offering

Proven TCO Savings:

- Deploy the largest VMware SDDC environment in the public cloud with 54.4 TB of storage, 2 TB memory and up to 128 OCPU per node
- AYA Bank improves efficiency and cuts TCO by 55%
- Oracle Cloud VMware Solution is up to 65% less expensive than running workloads on-premises
- Improved backup speed and restore speed 10-12 times faster

VMware Validated Solutions

VMware Aria Cloud Management

Deploy, operate and automate infrastructure and applications using Aria components.

VMware Tanzu

Quickly deploy and operate enterprise-grade Kubernetes and cloud-native apps.

VMware Site Recovery Manager

Automate and orchestrate disaster recovery to the cloud and between clouds.

VMware Cloud Director

Manage resource allocations among multiple enterprise cloud tenants.

VMware Horizon

A seamlessly integrated hybrid cloud for virtual desktops and applications.

agility, scalability and cost-effectiveness. On-premises workloads now can be swiftly deployed to the Oracle Cloud within hours or days, rather than waiting months or even years.

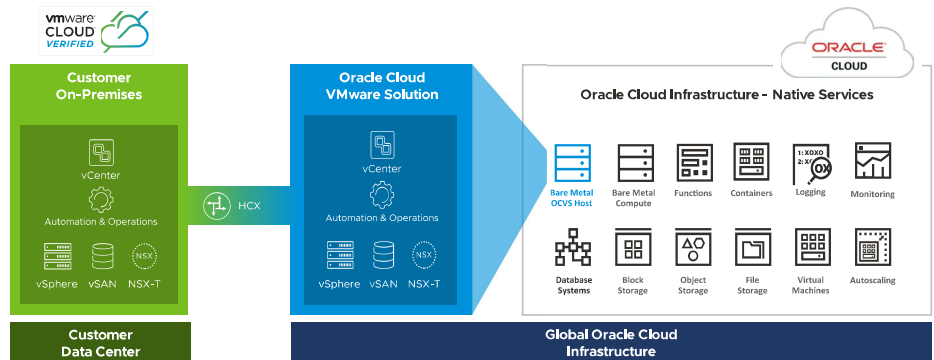


Figure 1: Oracle Cloud VMware Solution

Increase cloud scale and capacity

Oracle Cloud VMware Solution empowers the enterprise to grow cloud-scale and capacity quickly and with cost efficiency. 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 the hybrid cloud environment and use the same applications, tools, processes and policies with no changes. Powered by 3rd Gen Intel Xeon and AMD EPYC processors, Oracle Cloud VMware Solution standard shapes support a wide variety of extra-small to extra-large core configurations to right-size your VMware workloads.

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 and analytics across the entire on-premises and Oracle Cloud footprint. When deploying Tanzu Kubernetes Grid 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.

Resources



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Secure and protect workloads

Protect your most valuable data in the cloud and on-premises with Oracle's security-first approach. Oracle Cloud VMware Solution delivers a more secure path to the cloud by providing isolated bare-metal resources. It integrates seamlessly with Oracle's identity and access management, offering granular control over resources and user permissions. Compliance is also a top priority, with the solution meeting stringent global and industry-specific standards. Customers benefit from the inherent security of VMware's stack, with features such as NSX-T for network security and micro-segmentation, further fortifying the architecture against threats and enabling secure, multi-layered protection across the entire cloud environment.

Oracle Cloud VMware Solution use cases:

Data Center Extension

Allow for flexible, scalable infrastructure that can adjust to on-demand workloads. It also enables applications to be deployed closer to users for improved performance.

Disaster Recovery

By replicating data and applications in a cloud location. Organizations can ensure that they can continue operations even if the primary site is compromised.

Cloud Migration

Organizations migrate to the cloud to reduce capital expenditure (CapEx) on hardware and shift to an operational expenditure (OpEx) model. Oracle Cloud VMware Solution operates on a pay-as-you-go model with lower cost, while enjoying the scalability and flexibility in the cloud.

Application Modernization

Developers can tap into Oracle Cloud's service and the VMware Tanzu platform to modernize applications, as needed, without having to rewrite them. Modernizing the legacy applications in the cloud enable more effective scaling and meeting business outcomes.

Virtual Desk Application

Leverage high-performance infrastructure and fast networking for virtual desktop infrastructure (VDI) to burst on-premises VMware Horizon or other virtual desktops to the cloud or protect them against disaster.