

Oracle Cloud VMware Solution

Optimize your cloud migration with Oracle Cloud

At a glance

- **Dedicated environment with full control:** Oracle Cloud VMware Solution provides customers with full administrative permissions including root access
- **High-performance, elastic and verified:** Oracle Cloud VMware Solution offers up to 128 core configurations with AMD E4 processors and high performing NVMe-backed vSAN cluster
- **Secure and high availability:** The hybrid cloud solution is designed to meet stringent security requirements with multiple layers of physical and logical security, data encryption and compliance with a variety of industry and government security standards
- **On-demand and flexible consumption:** Customers enjoy the on-demand and subscription consumption model, allowing them to scale up or down quickly without the need for upfront capital investment
- **Global reach with cost-effective pricing:** Oracle Cloud VMware Solution offers a global network of over 40 cloud regions, which are interconnected with high-bandwidth, low-latency networking to facilitate data transfer and workload migration
- **Proven TCO data:** up to 65% TCO savings compared to running workloads on-premises¹

Multi-cloud architecture accelerates service delivery, minimizes costs and business risks, and offers the flexibility for business and IT to innovate by leveraging the most suitable services from cloud providers, without being constrained by vendor lock-in. As a result, cloud migration has been prioritized in organizations seeking to leverage the scalability, flexibility and cost-effectiveness that the public cloud has to offer.

Organizations have recognized the advantages of migrating to the cloud, such as the ability to scale resources based on requirements, reduce capital expenditures and benefit from robust security measures that safeguard sensitive data. However, while cloud migration can be an effective way to improve IT operations, it can also present some major challenges that must be addressed to ensure a successful transition:

1. **Application re-architecture and re-factor:** This can be a time-consuming and resource-intensive process. The pandemic put many enterprises under tight deadlines to migrate to the cloud.
2. **Integration and compatibility:** Organizations may struggle to ensure their existing systems and tools are seamlessly integrated with their new cloud-based infrastructure. In addition, integration can also be a challenge from a security and data management perspective.
3. **Cross-site networking and security issues:** Organizations are concerned about the security and privacy of their data in the cloud, which can impede the adoption of a cloud platform.
4. **Process and governance changes:** Investments associated with skillsets, tools, processes and governance changes will be needed to manage complex cloud infrastructures.
5. **Data migration and synchronization:** Organizations need to consider how to move data and applications between on-premises and in the cloud, ensuring data integrity and minimizing downtime during the migration process.
6. **Performance and availability:** It can be difficult to ensure consistent performance and availability across both environments.

1. [Oracle Cloud VMware Solution TOC Infographic](#).

TIM Brasil

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

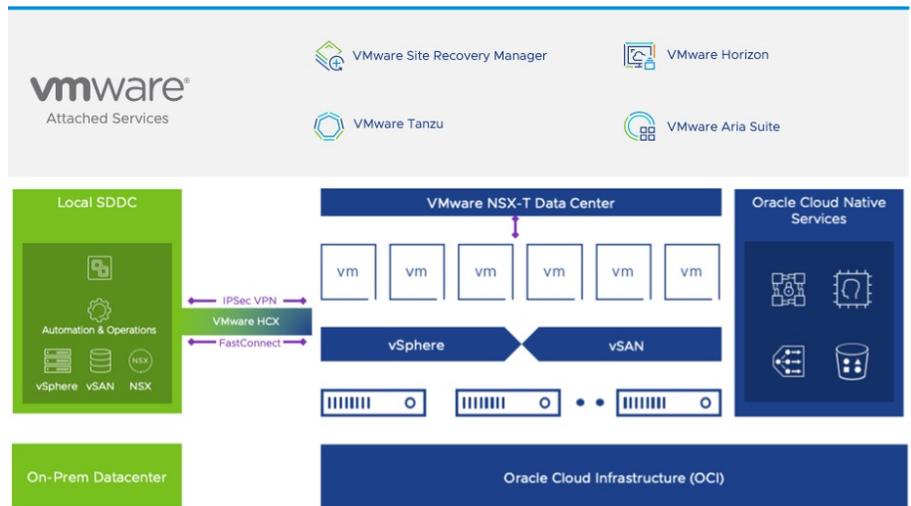
“Our proposal is to take the customer’s experience to a new level with more efficiency and agility, and always with the highest levels of security.”

Pietro Labriola, CEO, TIM Brasil

Introducing Oracle Cloud VMware Solution

Oracle Cloud VMware Solution is a VMware Cloud™ based environment that empowers customers to have full administrative control over their VMware environments while simultaneously leveraging the capabilities of Oracle Cloud Infrastructure. This solution includes VMware vSphere®, VMware vSAN™, VMware NSX-T Data Center™ and VMware vCenter Server®. It provides bare metal compute, advanced L2 network and storage-rich infrastructure that delivers a full-fidelity VMware service for predictable application performance. Moreover, Oracle Cloud VMware Solution is designed to cater to dynamic multi-cloud VMware environments.

This unified cloud infrastructure and operations platform enables enterprises to migrate and modernize applications quickly while seamlessly moving workloads between on-premises and Oracle Cloud Infrastructure at scale. Enterprises can now migrate or extend VMware-based workloads without the need for rearchitecting applications or retooling operations. Additionally, IT teams can easily leverage Oracle Cloud services such as Oracle Autonomous Database, Exadata Cloud and Database Cloud, with consistent portal access and modernized APIs.



To solve the migration challenges, Oracle Cloud VMware Solution creates an abstraction layer on top of existing site-specific implementations of Oracle Cloud Infrastructure using VMware HCX®. This application mobility platform simplifies application migration, workload re-balancing and business continuity across data centers and clouds. Leveraging HCX for application mobility accelerates data center transformation and hybrid cloud adoption with seamless migration of VMware vSphere and non-vSphere workloads on-premises and in the cloud without upgrading vSphere versions on-premises. Enabling secure, large-scale, zero-downtime live migrations can accelerate time to value for new software-defined data center (SDDC) stacks and cloud environments while driving down operational costs to update, migrate and maintain disparate systems.

Resources:

Learn more about Oracle Cloud VMware Solution at our [website](#).

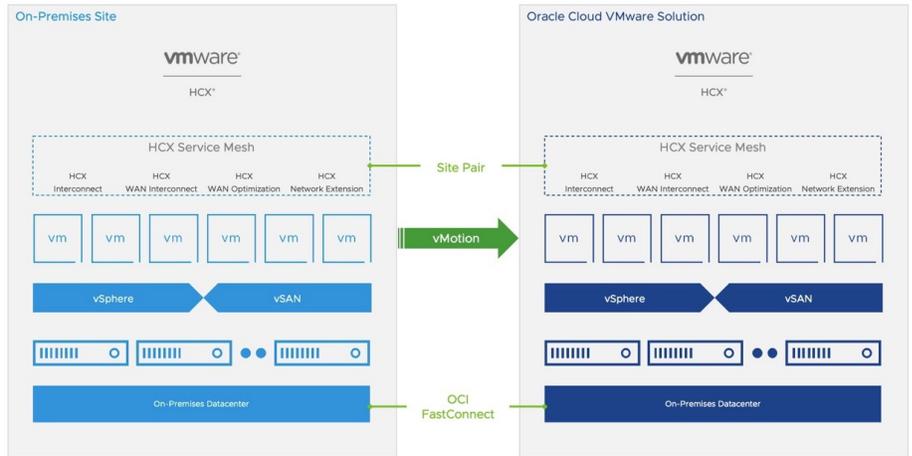
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Key Capabilities

- Move VMware workloads to Oracle Cloud Infrastructure without modifications. Customers gain scale and agility while maintaining the continuity with existing VMware-based tools, processes and policies.
- Provide self-service provisioning with full administrative permissions including root access. Root access provides complete control over the entire hardware and software environments.
- Leverage the expansive worldwide coverage of Oracle Cloud Infrastructure, which spans more than 40 regions with a consistent pricing structure.
- Rely on a single VMware specification that works both on-premises and in the cloud, eliminating the need on porting applications, refactoring code and addressing configuration discrepancies.
- Utilize your existing skillsets and tools with vSphere, vCenter Server, vSAN, NSX and HCX, extending your tested and proven on-premises IT deployment architectures and processes.
- The [VMware HCX platform](#) automates the creation of a hybrid interconnect to enable IT administrators to migrate workloads easily and securely to the cloud:
 - i) Migrate with zero downtime, no IP re-architecting required
 - ii) Migrate across any vSphere versions (5.0+) — Eliminate the need to invest in bringing both sites up to parity
 - iii) Migrate non-vSphere workloads — Migrate KVM and Hyper-V workloads to current vSphere versions compatible with full VMware Cloud, VMware Cloud Foundation™, VMware Cloud Provider™ Program and IaaS offerings
 - iv) Work across the WAN and LAN enables a unique model of infrastructure with a mix of private, public and hybrid clouds, based on workload requirements
 - v) Utilize simple migration planning tools — Easily identify application and workload relationships and logically group VMs for efficient migration