Azure VMware Solution

Move to the cloud while leveraging your VMware investment

"Azure VMware Solution gave us the opportunity to branch out beyond web-facing workloads in the cloud, to more of our critical infrastructure components, in a way that bolsters our environment's resiliency."

Mari Lovo
Director of Cloud Infrastructure Services
University of Miami

At a glance

- VMware SDDC running on Azure bare-metal infrastructure in 29 regions worldwide, including Azure Government

- Azure service jointly engineered with VMware, delivered and operated by Microsoft

- Operational consistency with on-premises VMware infrastructure

- Integrated with Azure Portal and Resource Manager

- Large-scale workload portability

- Access to native Azure services

- Extend with VMware attached services and partner solutions

- End-to-end customer support by Microsoft

Challenges transitioning to the cloud

IT teams are under pressure to migrate and modernize workloads using public clouds like Azure that offer gains in flexibility, speed, and global reach. However, adapting workloads to run on cloud platforms can be slow and expensive. Obstacles commonly faced include:

- High upfront costs for refactoring and revalidation

- Incompatible machine formats and infrastructure services

- Changes to operational processes and reskilling

- Disparate management tools and security controls

- Inconsistent application SLAs

Cloud made easy with Azure VMware Solution
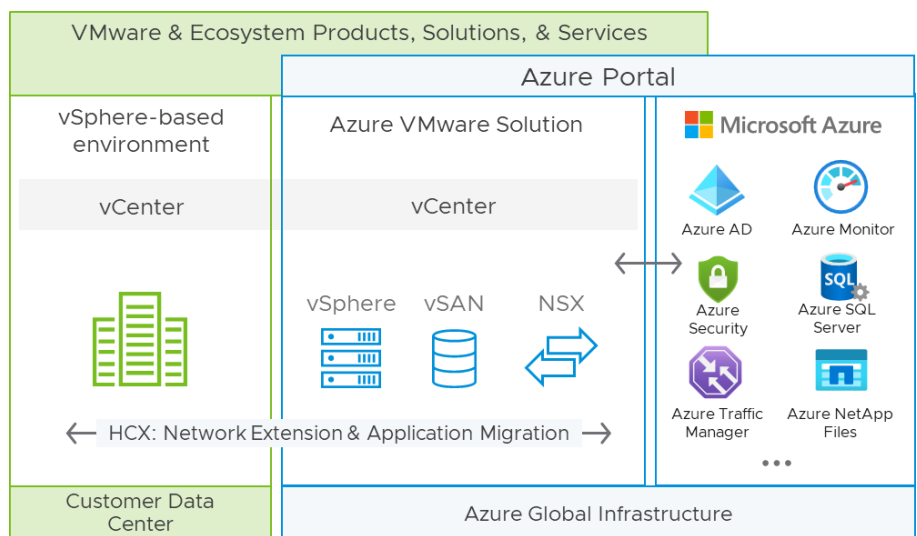
Azure VMware Solution provides a unified VMware Software-Defined Data Center (SDDC) in the Azure cloud integrating VMware vSphere®, VMware vSAN™ and VMware NSX® for compute, storage, and networking. Also included is the VMware HCX® workload mobility platform designed to simplify migrations to the cloud.

Extend Azure VMware Solution with VMware Attached Services

A growing set of Microsoft-validated VMware services enhance Azure VMware Solution and provide increased functional and operational parity between your on-premises data center and infrastructure in the Azure cloud.

- **VMware Aria (vRealize) Cloud Management** - deploy, operate, and automate infrastructure and applications using Aria components running on-premises or in the cloud

- **VMware Horizon** - a seamlessly integrated hybrid cloud for virtual desktops and applications

- **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 NSX Advanced Load Balancer (Avi)** - deploy local and global load balancing and Web Application Firewalls for workloads In Azure VMware Solution

- **VMware SD-WAN** - provide secure, reliable, and efficient connections to Azure VMware Solution workloads for users and application migrations

- **VMware Cloud Director service** - multi-cloud management of enterprise cloud tenants

The Azure VMware Solution SDDC runs natively on dedicated bare-metal Azure infrastructure so you can capitalize on existing VMware investments, skills, and tools. The software and operational consistency that leverages the scale, performance, and innovation of Azure makes cloud migration with Azure VMware Solution easy.

The value of the VMware SDDC on the Azure Cloud

With Azure VMware Solution you can reduce costs, increase efficiency, and modernize applications.

Best of both worlds
- VMware enterprise software combined with the flexibility and speed of Azure

Zero refactoring
- 69% lower migration cost[1] and time reduced from years to months

Existing skills
- Leverage existing VMware skills to avoid time and cost of staff retraining

Cloud economics
- Infrastructure and operational efficiencies lowered TCO 22% compared to on-premises and 32% compared to native cloud environments[2]

The compelling economics of Azure VMware Solution

Azure VMware Solution addresses the needs of your business and technical teams with cost savings unique to Azure and deep integration with Azure services, management, and automation.

Lower cost for Microsoft applications for business owners
- Apply your existing on-premises Windows and SQL Server licenses with Azure Hybrid Benefit
- Free extended security updates for Windows and SQL Server 2008 & 2012
- Support for Microsoft 365 in Horizon® virtual desktop environments

Simplify multi-environment operations for IT administration teams
- Unified consumption, licensing, and billing with other Azure services
- Support for Azure Resource Manager automation templates
- Events, alerts, and logs exposed in both environments

[1] IDC White Paper, sponsored by VMware, The Business Value of Hybrid Cloud with VMware, 2019
[2] 2021 TCO Assessment Studies over 4-Month Period ending August 2021, VMware Cloud Economics Team

Key benefits

- Gain continuity, scale, and fast provisioning for your VMware workloads on global Azure infrastructure.

- Leverage existing VMware investments, skills and tools while maintaining operational consistency with familiar technology including vSphere, HCX, NSX and vSAN.

- Take advantage of Azure as the best cloud for your Microsoft workloads and leverage unmatched price benefits for Windows Server and SQL Server.

- Modernize applications at your pace through integration with Azure native management, security, and services.

"We considered several factors and concluded that Azure VMware Solution offered us the most benefits, including cost savings and ease of management."

Haidar Abouzenni
Systems Engineer
Carhartt

Accelerate your transformation with VMware Cloud Universal

VMware Cloud Universal offers subscription flexibility and consumption parity for Azure VMware Solution and the VMware multi-cloud portfolio.

Deliver modern applications in optimized environments for developers

- Seamless access to Azure's market leading PaaS services

- Integration of VMware SDDC management into the Azure Portal

- Unified permissions and access control across both environments

- Build and deploy modern applications with VMware Tanzu on Azure VMware Solution

Azure VMware Solution Use cases

Data center footprint reduction and migration
Organizations can reduce their on-premises infrastructure footprint with a simple migration of their vSphere-based workloads to Azure in a non-disruptive, automated, and scalable fashion.

Application modernization
Developers can tap into Azure's service and partner ecosystem and the VMware Tanzu platform to modernize applications as needed without having to rewrite them from scratch.

Data center expansion
With flexible payment plans, organizations can quickly scale out data center capacity on-demand for seasonal, temporary, or regional needs

Cloud desktop virtualization
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.

Disaster recovery to the cloud
Use the VMware stack deployed in Azure as a fully consistent on-demand disaster recovery site for on-premises data center infrastructure with VMware Site Recovery Manager or partner solutions.

Take the next step in your move to Azure

Accelerate your shift to the cloud with Azure VMware Solution, a jointly engineered offering from Microsoft and VMware that simplifies migrations while reducing long-term costs.

For more information on Azure VMware Solution, please visit https://www.vmware.com/cloud-solutions/azure or contact VMware.