

Beyondsoft Azure VMware Solution Implementation

Beyondsoft will provide an Azure VMware Solution (AVS) implementation to customers using Microsoft's best practices and extensively tested methodology

What does Azure VMware Solution provide?

Azure VMware Solution (AVS) integrates VMware's software-defined data center (SDDC) components into Azure, allowing organizations to run VMware workloads natively in the cloud. Here are some key technical aspects:

1. Core Components:

- **VMware vSphere:** The virtualization platform that allows you to manage virtual machines.
- **VMware vSAN:** Provides storage virtualization, enabling high-performance storage solutions.
- **VMware NSX:** Offers network virtualization and security, allowing for micro-segmentation and advanced networking capabilities.

2. **Bare-Metal Infrastructure:** AVS runs on dedicated bare-metal Azure infrastructure, ensuring high performance and isolation for your VMware workloads

3. **Hybrid Cloud Capabilities:** AVS supports hybrid cloud scenarios, allowing seamless migration of workloads between on-premises VMware environments and Azure. This is facilitated by VMware HCX, which simplifies application migration and mobility.

4. **Management Tools:** You can use familiar VMware tools like vCenter Server for management, which helps maintain operational consistency across environments.

5. **Security and Compliance:** AVS benefits from Azure's security features, including Azure Security Center and compliance certifications, ensuring that your workloads meet industry standards.
6. **Scalability:** You can easily scale your VMware clusters up or down based on demand, leveraging Azure's extensive resources
7. **Integration with Azure Services:** AVS allows you to take advantage of Azure's services, such as AI, analytics, and databases, enhancing your applications' capabilities.

What is the Beyondsoft Azure VMware Solution Implementation?

This service includes the design and implementation of an Azure infrastructure for AVS. Beyondsoft brings Foundational concepts and sets up a Landing Zone environment adequate to customers' needs using proven processes and tooling. In addition, our cost control and governance experience will help avoiding unplanned Cloud consumption. Beyond that, we'll bring tools and processes to evaluate applications dependency, components, and Application architecture, including effort to adjust application or database components to run smoothly on PaaS on Azure.

How the services will be implemented?

The implementation service is divided into 4 phases as described below:

Phase I – Assessment and Planning

- Design Azure environment, network architecture and project planning
- Assess customer business needs
- Assess Datacenter, including VMware, and/or Cloud (Azure and competitors) infrastructure components (Network, Storage, Backup, Services)
- Governance (Security, Cost Control)
- Application Components and dependency

Phase II – Adjusts and Enablement

- Provision an Azure tenant and set up Azure Active Directory (Azure AD)
- Provision the required administrator roles in Azure AD
- Network connection from Azure to Datacenter on-premises or Cloud through VPN GW
- Landing Zone creation, including Vnets, NSGs, Storage Accounts, Recovery Service Vaults, among others, and AVS setup

Phase III – Implementation

- Implementation of AVS with up to three nodes
- Migration of up to 5 (five) VMs from VMware on-premises to AVS
- VLAN extension using HCX features
- Cutover and go-live
- Backup enablement

Phase IV – Pos-Implementation

- Tuning
- Rightsizing evaluation
- End User Training and Documentation

With our implementation services, you can also benefit from:

- Business continuity with data protection at very low costs.
- Easy failover and recovery.
- Financial loss minimization.
- Risk reduction.
- Improving reputation.
- Regulatory compliance.

Additional Details:

- All terms, conditions, final scope, and pricing are customized to each engagement and must be accepted before the start of the engagement.
- Up to 5 servers could be migrated
- Up to 2 Vlans will be implemented
- Up to 3 AVS nodes will be implemented
- Additional Azure costs will be applicable



- The implementation timeline will take approximately 8 weeks

Customer Requirements:

- Azure subscription active
- Azure costs when applicable.