Migrate your On-premise VMWare Servers to Azure VMware Solution (AVS)

12 Weeks Implementation

As organizations increasingly seek cost efficiencies, business stability, and consistency, choosing the most efficient migration path is imperative. To achieve this, you must consider several different workload scenarios and destinations, such as migrating your VMware workloads natively onto Azure VMware Solution (AVS).

Is your organization looking to:

- Capitalize on existing VMware investments, skills, and tools while leveraging the power of Azure.
- Migrate servers to Azure but don't want to change the underlying virtualization platform?
- Keep managing your servers in Azure using the same VMware tools as VMware vSphere, vSAN, and vCenter.
- Take advantage of additional years of security update support for legacy operating systems like Windows Server and SQL Server 2008 & 2012.
- Take advantage of scaling, automation, and rapid provisioning features of Azure for your workloads while hosting them on the VMware virtualization platform.
- To use Azure as the disaster recovery data center by using native VMware replication tools?

As a part of your migration journey to AVS, SNP follows a 3-step approach where we will:

Step 1: Learn about the Customers Existing VMware Environment

SNP will work with your team to understand your existing VMware architecture and deploy necessary resource in your Azure tenant and on-premise vCenter to perform assessment in following areas:

- Collect information about servers running on existing VMware infrastructure and identify the servers in scope for Azure VMware Solution migration.
- Perform assessment of identified servers using Azure migrate to plan the Azure VMware Solution resources like number of hosts & clusters, size of the hosts & clusters and cost to run the solution in Azure.
- Perform the dependency mapping analysis to identify the dependencies for the identified servers in scope for migration to prepare the migration groups and batches.
- Learn about existing network management strategies for VMware environment to plan the network design for Azure VMware Solution.

- Learn about the existing migration strategy for servers between the ESXi cluster to plan the server migration to Azure.
- Learn about existing backup and disaster recovery strategies to prepare the backup & disaster recovery for Azure VMware Solution.
- Identify the Azure subscription, region to deploy the Azure VMware Solution.

Disclaimer: Customer to help SNP deploy necessary resources on Azure subscription and on-premise VMware environment.

Step 2: Azure VMware Solution Planning and Design

- Prepare dependency mapping report using Azure Migrate and Movere data which consists of:
    - Applications.
    - Data infrastructure.
    - Operational infrastructure.
- Prepare Azure VMware solution architecture with hosts and clusters representation.
- Design the Network Architecture to connect AVS to other virtual networks in Azure and to connect to on-prem environment.
- Prepare cost metrics for:
    - Azure hosting cost involved for compute and storage based on finalized migration batches.

Step 3: Solution Setup with Server Migration

- Deploy Azure VMware Solution, configure NSX-T and storage policies.
- Connect Azure VMware Solution with Azure virtual network using Express Route Gateway.
- Connect Azure VMware Solution with on-premises environment using existing Express Route circuit.
- Install and configure VMware HCX connector on Azure VMWare Solution and in the on-premises VMWare environment to enable workload migration.
- Migrate servers to Azure VMware Solution.

Step 4: Documentation, Knowledge Transfer and Day-2 support

- Discovery and Planning documentation.
- Architecture design document for Migrations and modernization.
- Migration Batches and planning documents.
- Implementation/as-built document with App grouping and migrations with Azure services used.
- Knowledge Transfer and Day-2 Support.
    - Hand over the documentation for review.
    - Leverage SNP's Managed Operations Services for Day-2 support.

About SNP Technologies Inc.

SNP's consulting services help businesses of all sizes transform with innovative, cloud-based solutions that harness the power of Microsoft Azure.

We combine elements from our ISO certifications and Microsoft specializations as well as the most efficient and innovative technology tools and platforms to help our clients become more agile, more customer focused and more operationally efficient.

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Digital & App Innovation Azure
Specialist
Kubernetes on Microsoft Azure
Modernization of Web Applications

Microsoft Solutions Partner
Infrastructure Azure
Specialist
Windows Server & SQL Server Migration
Azure Virtual Desktop
Networking Services

Microsoft Solutions Partner
Data & AI Azure
Specialist
Analytics
Data Warehouse Migration

Microsoft Solutions Partner
Security
Specialist
Cloud Security
Threat Protection

Member of
Microsoft Intelligent Security Association
Microsoft

ISO Certifications:

ISO 20000-1:2018:
Service Management System

ISO 22301:2019:
Business Continuity Management System

ISO 27001:2013:
Information Security Management System

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Let's move forward together with confidence. We're here to help at every step.
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