SNP technologies inc.

Migrate On-premise VMWare Servers to Azure VMWare Solution (AVS)
8 Week PoC

As organizations more than ever look for cost efficiencies, business stability, and consistency, choosing the most efficient migration path is imperative. This entails consideration of various workload scenarios and destinations, such as migrating on-premises VMware servers to Azure VMware Solution (AVS).

Benefits of AVS Migration

- Capitalize on existing VMware investments, skills, and tools
- Migrate to Azure without changing the underlying virtualization platform
- Reduce overhead related to infrastructure procurement, deployment and management
- Continue to manage VMWare in Azure using familiar tools such as vSphere, vSAN, vCenter
- Take advantage of extended security updates support for legacy systems like Windows Server and SQL server 2008 & 2012
- Take advantage of scaling, automation, rapid provisioning features for your workloads
- Use Azure as the disaster recovery datacenter with native VMWare replication tools

SNP follows a 3-step approach to on-board your organization to AVS

Step 1: Discover the Customers Existing VMWare Environment

SNP works with your team to assess your existing VMWare architecture:

- Collect information about servers running on existing VMWare infrastructure and identify the servers in scope for AVS migration
- Assess the identified servers using Azure migrate to plan the AVS resources such as the number and size of hosts & clusters, and cost to run the solution in Azure
- Perform a 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 AVS
- Learn about the connectivity needs to prepare the hybrid network architecture to enable communication between on-premise VMWare environment and AVS
- Learn about the existing migration strategy for servers between ESXi cluster to plan the server migration to Azure
- Learn about existing backup and disaster recovery strategy to prepare the backup & disaster recovery for AVS
- Identify the Azure region and subscription into which AVS will be deployed

Note: Customer to help SNP to 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 accounts for Applications, Data infrastructure, and Operational infrastructure
- Prepare Azure VMWare solution architecture with hosts, 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 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 AVS with Azure virtual network using ExpressRoute Gateway
- Connect AVS with on-premises environment using existing ExpressRoute circuit
- Install and configure VMWare HCX connector on AVS and in on-premises VMWare environment to enable workload migration
- Migrate servers to AVS

Deliverables
- Assessment report with dependency mapping analysis
- Design and planning document with solution architectures, deployment & migration plan

Please note: For a successful engagement, the customer has to provide:

- Access to 8 to 10 servers for SNP to migrate during this PoC engagement
- Customer to identify ExpressRoute provider and engage them for configuration/ setup
- Application performance functional testing to be completed by the customer, post migration
- Customer can opt for full migration services with SNP, including backup and DR post the PoC

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