snp technologies inc.

Migrate your On-premise VMWare to Azure using Lift & Shift Methodologies

12 Weeks Implementation

As organizations now more than ever look for cost efficiencies, business stability, and consistency, choosing the most efficient migration path is imperative. This means, considering several different workload scenarios and destinations, such as migrating your on-premises VMware workloads natively to Azure Cloud.

- Want to move from CapEx to OpEx model by leveraging the power of Azure?
- Migrate servers hosted on VMware vSphere to Azure but don't want to upgrade/replace aging hardware?
- Migrate servers hosted on VMware vSphere without many changes to the application or the OS and shift them to Azure.
- Take advantage of additional years of security update support for legacy operating systems like Windows Server and SQL Server 2008 & 2012.
- Take advantage of the scaling, automation, and rapid provisioning features of Azure for your workloads.
- Want to take benefit from Azure's High Availability, reliability and resiliency while migrating your workloads?
- Requirement for upgrading your network appliance with Fully managed Networking solutions like Azure firewall, load balancer for migrated workloads.

Our 4-step approach will cover assuming landing zone setup is completed:

- Migration Discovery & Assessment.
- Lift & Shift Planning and Design.
- Solution Setup for Server Migration.
- Documentation, Knowledge Transfer, and Day-2 support.

Step 1: Migration Discovery & Assessment

SNP will work with Stakeholders & SME's from the customer team to understand below.

- Collect information about servers running on existing VMware vSphere infrastructure and identify the servers in scope for Azure lift & shift.
- Perform assessment of identified servers using Azure migrate to plan the migration to Azure resources like number of servers, size of the servers & clusters and cost to run the servers 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 datacenter environment to plan the network design in Azure.
- Learn about the connectivity needs to prepare the hybrid network architecture to enable communication between on-premise datacenter and Azure.
- Learn about existing identity architecture for authentication and authorization facilitation in Azure.
- Learn about the existing migration strategy for servers on Hyper-V cluster and plan the server migration to Azure using Azure Migrate solution.
- Learn about existing backup and disaster recovery strategy to prepare the backup & disaster recovery for migrated workloads.
- Identify the Azure subscription, region for migrating workloads.

Step 2: Lift & Shift Planning and Design

By understanding the above requirement, SNP will work on building a design and plan for migrations which includes the following:

- Prepare dependency mapping report using Azure Migrate and/or Movere data which consists of:
    - Applications
    - Data infrastructure
    - Operational infrastructure
- Migration grouping based on application discovery and planning using dependency mapping reports, conversations with Application owners & stakeholders.
- Prepare cost metrics for:
    - Azure hosting cost involved for compute and storage based on finalized migration batches.
- Prepare a Migration planning report which includes pre and post migration checklist, roll-back plan along with networking, storage , compute related details for servers in each group.

Step 3: Solution Setup for Server Migration

- Deployment of Azure Migrate and its appliance based on the workload in production.
- Deployment of dependency resources as part of networking, identity and storage
- Deployment of DNS and private link resources for secure transfer of data
- Deployment of required application load balancing resources for external and internal connectivity.
- Replication of VM's to Azure using Migrate appliances.
- Test Migration of workloads from based on batches and grouping in previous step
- Production Migration of workloads from datacenter to Azure based on schedule and batches designed.
- Application testing and service validation to confirm functionality in Azure.

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

- Discovery and Planning documentation.
- Architecture design document for Migrations.
- Migration Batches and planning documents.
- Implementation/as-built document with app grouping and migrations with Azure services are 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.

Microsoft Solutions Partner
Data & AI Azure
Specialist
Data Warehouse Migration
Kubernetes on Azure
Analytics
Infra and Database Migration
Migrate Enterprise Apps to Azure

Microsoft Solutions Partner
Digital & App Innovation Azure
Specialist
Kubernetes on Microsoft Azure
Modernization of Web Apps
DevOps with GitHub
Migrate Enterprise Apps to Azure

Member of
Microsoft Intelligent Security Association
Microsoft

ISO Certifications:

TÜV NORD ISO 22301
ISO 22301:2019: Business Continuity Management System

Microsoft Solutions Partner
Infrastructure Azure
Specialist
Azure VMware Solution
Networking Services
Infra and Database Migration
Azure Virtual Desktop

Microsoft Solutions Partner
Security
Specialist
Cloud Security
Threat Protection

TÜV NORD ISO/IEC 20000-1
ISO 20000-1:2018: Service Management System

TÜV NORD ISO/IEC 27001
ISO 27001:2013: Information Security Management System

MICROSOFT PARTNER AWARDS:

Microsoft Partner
2023 PARTNER OF THE YEAR **FINALIST**
Security

Microsoft Partner
2021 MSUS PARTNER OF THE YEAR WINNER
Business Excellence in Solution Assessments

Microsoft Partner
2019 MSUS PARTNER OF THE YEAR WINNER
Intelligent Cloud & OSS on Azure

Microsoft Partner
2019 PARTNER OF THE YEAR FINALIST
Open-Source Applications & Infrastructure on Azure

Microsoft Partner
2018 US SI PARTNER OF THE YEAR WINNER
Solution Innovation on Microsoft Azure Award

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

Email us: SNP's CEO Prakash Parikh: prakash@snp.com