SNP technologies inc.

Datacenter Migration to Azure

12 Weeks Implementation

Estimated cost- $25k

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 a number of different workload scenarios and destinations, such as migrating your on-premises datacenter workloads natively to Azure Cloud.

Does your organization:

1. Want to move from Capex to Opex model by leveraging the power of Azure?

2. Migrate servers in the data center to Azure but don't want to upgrade/replace aging hardware?

3. Migrate servers in the data center without many changes to the application or the OS and shift them to Azure.

4. Take advantage of additional years of security update support for legacy operating systems like Windows Server and SQL Server 2008 & 2012.

5. Take advantage of the scaling, automation, and rapid provisioning features of Azure for your workloads.

6. Want to take benefit from Azure's High Availability, reliability, and resiliency while migrating your workloads?

7. Requirement for upgrading your network appliance with Fully managed Networking solutions like
   Azure firewall, and load balancer for migrated workloads?

Our 4 Step Approach will cover the following steps assuming the landing zone setup has been completed

1. Migration Discovery and Assessment

2. Cloud Migration Architecture Design

3. Implementation, Replication and Migrations

4. Documentation, Knowledge Transfer, with 2 Day Managed Support

Step 1: Migration Discovery and Assessment

SNP will work with Stakeholders & SMEs from the customer team to understand below.

- Existing hosting infrastructure of identified application workloads migration to Azure using Rehost(Lift & Shift), Re-platform (Modernization) of SQL workloads and Greenfield deployment

  strategies.
- Deploy and configure required tools/appliances to collect information about the data center environment.
- Assessment of servers and storage to provide cloud compatibility, storage, and compute requirements in Azure.
- Assessment of SQL servers for re-platforming to the latest Operating systems.
- Assessment of File servers to modernize to Azure Files or Latest Operating systems.
- 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 application dependencies with application owners and stakeholders using dependency mapping data to understand the connectivity of apps and data along with network

Step 2: Cloud Migration Architecture Design

By understanding the above requirement, SNP will work on building a Cloud migration architecture to
include the following aspects in the design:

1. **Rehosting (Lift and Shift):**
   - Hybrid Networking Architecture
   - Hybrid Identity Architecture
   - Risk Assessment and Mitigation
   - Migration Evaluation and Design
   - Migration Plan and Rollback Plan

2. **Replatform (Modernization) of SQL servers:**
   - Feature Mapping and dependencies
   - Optimization of storage requirements for SQL on the latest OS.
   - SQL Modernization Architecture and Design
   - Modernization and rollback plan

4. Greenfield Deployments:
- Tools identification for Greenfield.
- Planning for Networking, Storage, Identity, and compute requirements.
- Design and architecture for deployment methodologies.

5. File Server Migrations:
- Understanding file server requirements in Azure.
- Plan for the right storage option in Azure.
- Design for replication of data to Azure.
- Architecture for file server migration to Azure.

Step 3: Deployment and 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

- Replication of SQL data to Azure using Azure Data Studio/ Migration service

- Replication of file servers using Azure file sync or robocopy or Azure storage mover based on requirements.

- Test Migration of workloads from datacenter batches designed

- 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 with 2 Day Managed 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.

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

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ISO Certifications:

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ISO 22301:2019:
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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 TÜV NORD CERT GmbH ISO/IEC 20000-1
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Service Management
System

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

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Solution Innovation on Microsoft Azure Award

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