

Windows and SQL Server Migration

4MSTeCH

HOW CAN WE HELP YOUR BUSINESS TO BE AGILE AND REDUCE COSTS, MODERNIZING YOUR DATACENTER?

- Do you have high server and database costs?
- Do you want to reduce your virtualization costs, preparing your migration to Cloud?
- Is your infrastructure too complex?
- Do you know actual costs of each Datacenter asset?

The biggest challenge to IT leadership is cost reduction and bring more value added to business. High demands of Datacenter Technologies and Digital Transformation requires IT agility to quickly provides resources, and control costs and complexity virtualized environments have. High virtualization brings cost reduction since HW utilization is better, but as trade-off, managing and operation costs rise due to lack of standards and process demands.

4MSTech has its own methodology for Windows and SQL Servers migration to Azure.

Migrating Windows Servers to Azure

Azure brings cost reduction using Hybrid Use benefits (AHUB) where your existing licenses for Windows and SQL Servers can be used on virtual machines running on Azure. Amongst Public Clouds only Microsoft had this advantage. Existing Windows Server 2008 and SQL Server 2008 running on Azure have their End of Support Extended for 3 more years.

Migrating SQL Servers to Azure

Along with AHUB and Extended Support, your databases can run on Managed Instances where all administration, patch management will be handled by Microsoft. You can also use SQL as a Platform as a Service (PaaS) with many different available plans.



Assessment: 4MSTech assesses business needs, objectives and existing infrastructure – gap analysis map



Vision and Scope: Strategy definition and detailed Cloud Journey Plan



Implementation: Project delivery with risk mitigation, quick ROI and transfer knowledge



Managed Services: We operate your Cloud environment seeking continuous improvement and Opex reduction

Windows and SQL Server Migration



4MSTech Migration Services

The main objective of these services is to develop a migration plan and migrate selected on-premises servers/databases to Azure, running on Windows Server 2008 / R2 or higher and/or SQL Server 2008 / R2 or higher. The first delivery is an assessment of the in-scope servers and databases and target destination configuration for each component. The targets can include:

- Azure SQL Database Managed Instance or SQL Server in Azure Virtual Machines (for SQL Server workloads)
- Azure Virtual Machines (for Windows Server workloads)

4MSTech Migration Process

This migration process is delivered using a Cloud Migration Methodology based on Azure CAF. Main deliverables are servers and databases migrated, along with documents (as built and runbook). Project is delivered in four phases: Assessment and Planning, Adjusts and Enablement, Implementation and Closing.

- **Assessment and Planning**
 - Conduct an assessment scoped for the workloads in the target servers/databases, includes identification of the target resources in Azure.
 - Develop an implementation plan
 - **Deliverables**
 - Assessment of the targeted environment
 - Design Architecture
 - Implementation Plan
- **Adjusts and Enablement**
 - Realize the required adjustments in on-premise environment
 - Setup and provision an Azure environment
 - Install and configure migration tools
 - Test the migration environment
 - **Deliverables**
 - On-premises environment ready to be migrated
 - Azure environment configured and tested
- **Implementation**
 - Initial migration and validation of migrated servers/databases in test to prepare for final migration
 - Replicate the on-premises environment
 - Complete migration to the resources in Azure and finalize the cutover.
 - **Deliverables**
 - Resources migrated to Azure
 - Documentation (As-Built and runbook)
- **Closure**
 - Monitor use in Azure post migration and implement optimization to meet requirements and ensure operational knowledge with the team
 - **Deliverables**
 - Targeted resources optimized on Azure environment