

Hybrid Architecture: Deploy SQL Server Databases on Azure VMs, Leveraging Azure SQL Database



Timeline

Implementation of the hybrid architecture solution is estimated to take about 4-6 weeks, depending on the complexity of the existing infrastructure and the database size to be migrated.

Overview

Our solution combines SQL Server databases on Azure VMs with Azure SQL Database for a comprehensive hybrid architecture, offering reliability and scalability. Azure VMs provide flexible resource allocation and simplified management, while Azure SQL Database offers a fully managed, scalable cloud service. We enhance performance, availability, and cost optimization, ensuring organizations pay for needed resources. With proven implementation strategies, organizations seamlessly integrate on-premises and cloud environments, unlocking the hybrid architecture's full potential.

Key Features

Hybrid Architecture Integration

Seamlessly integrate on-premises SQL Server databases with Azure VMs and Azure SQL Database, creating a hybrid architecture for optimal performance.

Azure VM Deployment

Deploy SQL Server databases on Azure VMs for flexible resource allocation and simplified management. Implement CI/CD pipelines for automated updates, ensuring reliability.

Azure SQL Database

Utilize Azure SQL Database, a fully managed, scalable cloud service, eliminating infrastructure management needs.

Data Migration and Synchronization

Migrate SQL Server databases to Azure VMs and Azure SQL Database while maintaining data synchronization between environments.

Unified Management

Centralized management and monitoring capabilities across hybrid environments simplify administration tasks, ensuring visibility and control.

Deliverables



We'll provide a detailed plan for deploying SQL Server databases on Azure VMs and utilizing Azure SQL Database, ensuring seamless integration of on-premises and cloud environments.



Set up and configure Azure VMs to optimize performance for running SQL Server databases.



We'll seamlessly migrate your SQL Server databases to Azure VMs and Azure SQL Database, ensuring data integrity and minimal downtime.



Our experts will optimize hybrid architecture performance, fine-tuning resource allocation and setting up monitoring for performance metrics.



We will provide documentation on configuration, maintenance procedures, and best practices along with knowledge transfer sessions

Next Steps

- Assess the existing infrastructure and determine the potential benefits of hybrid architecture.
- Consult with our team to discuss specific requirements and develop a tailored implementation plan.