

Data Synchronization: Sync SQL Server with Azure SQL Database using Azure SQL Data Sync

Timeline

Implementation typically takes 3-4 weeks, depending on the complexity of the database environment and configuration requirements.

Overview

Our solution, powered by Azure SQL Data Sync, seamlessly synchronizes on-premises SQL Server databases with Azure SQL Database, supporting active-active mode for high availability. It enables bi-directional data synchronization, ensuring real-time updates and continuous operations. Flexible configuration options enhance efficiency and reliability, with automatic conflict resolution maintaining data integrity. Comprehensive monitoring features provide visibility for proactive issue resolution, optimizing database management and performance in hybrid cloud environments.

Key Features

Real-time Data Synchronization

Azure SQL Data Sync ensures immediate synchronization of data between SQL Server databases and Azure SQL Database, maintaining data consistency.

Custom Conflict Resolution

Flexible conflict resolution allows defining rules for conflicts, ensuring smooth data management.

Schema and Object Synchronization

Seamlessly migrate database objects from SQL Server to Azure SQL Database, ensuring synchronized structures.

Bi-Directional Synchronization

Support bi-directional synchronization between SQL Server databases and Azure SQL Database for flexible data management.

Monitoring and Alerting

Benefit from monitoring and alerting features, offering real-time visibility into the synchronization process.

Deliverables



Establish synchronization between SQL Server databases and Azure SQL Database, including defining sync groups and configuring sync settings.



Develop and implement conflict resolution rules tailored to specific business requirements for seamless data management.



Migrate all database objects from SQL Server to Azure SQL Database, ensuring accurate replication of the entire database structure.



Receive comprehensive materials for effective management and troubleshooting of Azure SQL Data Sync.

Next Steps

- Assess current database architecture and synchronization needs.
- Initiate discussions with our team to tailor the solution to your specific requirements.