Near Real-Time Database Replication: Sync On-Premises SQL Server Databases with Azure SQL

Microsoft Solutions Partner

Timeline

Implementation typically takes 2 weeks, depending on the complexity of the database architecture and replication requirements.

Overview

Our solution revolutionizes SQL Server database replication to Azure SQL Database through transactional replication and log shipping. Transactional replication ensures near real-time data synchronization, while log shipping provides continuous replication at scheduled intervals, offering flexibility. With automated monitoring and alerting, we streamline setup and management, empowering businesses with unparalleled efficiency for enhanced continuity and disaster recovery readiness.

Key Features

✦ **Real-time Synchronization**

Achieve near real-time data synchronization between SQL Server databases and Azure SQL Database using transactional replication or log shipping.

✦ **Flexible Replication Options**

Choose between transactional replication for immediate data replication or log shipping for scheduled interval replication based on your business requirements.

✦ **Automated Monitoring and Alerts**

Implement automated monitoring and alerting systems to detect and address any replication discrepancies or failures promptly, ensuring data integrity.

✦ **Seamless Integration**

Leverage Azure Cosmos DB's globally distributed, multi-model database service for optimized storage, access, and scalability.

✦ **Scalable and Reliable**

Scale replication processes dynamically to accommodate growing data volumes, while ensuring reliability and high availability of replicated data in Azure.

Deliverables

A comprehensive report that evaluates the source SQL Server database(s), along with recommendations for modification.

Configure seamless transactional replication/log shipping between SQL Server and Azure SQL for near real-time data synchronization.

Configure Azure SQL Database's failover-ready environments with secondary replicas, transaction log backups, and automated failover

We provide ongoing monitoring and support for the replication or log shipping environments.

Next Steps

✦ Assess your database requirements and choose the appropriate replication method.

✦ Engage with our team to consult and develop a tailored implementation plan.