

# Eliminating Legacy SQL Limitations with Azure Data Migration

Modernizing Data Systems with Azure

A mid-sized U.S. financial organization was running critical data and reporting on an old SQL Server setup that was difficult to scale and meet growing security needs.

We modernized their data platform using Azure, enabling a more secure, scalable, and cost-efficient environment with automated data processing and reporting.

## CLIENT BACKGROUND

A U.S.-based financial and non-profit organization was in charge of handling important financial data across various systems. Their day-to-day operations depended on an on-prem SQL Server with several databases and SSIS jobs managing daily transactions, reporting, and data processing.

### BUSINESS VALUES

**Improved Data Performance:** Improved data processing speed and supported growing business data needs.

**Reduced Manual Effort with Automation:** Reduced operational workload by around 30% across data processes.

**Controlled Costs with Optimized Usage**  
Lowered infrastructure costs by nearly 20% without impacting performance.

### PROBLEMS

- **Legacy Systems Slowing Growth:** On-prem SQL Server and SSIS setup limited scalability and required constant manual maintenance.
- **Strict Security and Compliance Needs:** Financial data required private access, identity control, and no public internet exposure.
- **High Costs from Always-On Systems:** Resources kept running continuously, increasing costs without actual business usage or demand.

### SOLUTIONS

- **Cloud Migration to Azure Data Platform:** Migrated databases to Azure SQL managed instances using secure, scalable cloud infrastructure.
- **Automated Data Pipelines and Integration:** Built Azure Data Factory pipelines with Logic Apps for seamless data flow and alerts.
- **Smart Automation for Cost Optimization:** Used Azure Functions to schedule system usage and reduce unnecessary infrastructure costs.

### TECHNOLOGIES



### FINAL PERSPECTIVE

The upgrades have created a strong, adaptable data base that allows for quicker decision-making, cost control, and sets the stage for more advanced analytics. This will help the organization to maintain compliance and operational efficiency.