

# Azure Migration Assessment for SQL Server Data Warehouses



- Accelerates Data Warehouse/Analytics Migrations to Azure
- Lowers Cost, Risks and Effort to Migrate
- Ensures Ongoing Cost Efficiency and ROI in Azure



# *Azure Migration Assessment for SQL Server Data Warehouses*

## **Software and Services Offering to Accelerate and Optimize Azure Migrations**

- SaaS Software automatically establishes optimized migration plan
- Profiles on-premise data warehouse/analytics workload usage characteristics
- Identifies, quantifies, prioritizes remediations for optimal migration
- Identifies optimal set of Azure Data Warehouse services based on your workloads

## **Benefits**

- Minimizes time, cost and risk to migrate
- Ensures post-migration Azure cost efficiency, user productivity, performance
- Ensures business objectives are met in Azure

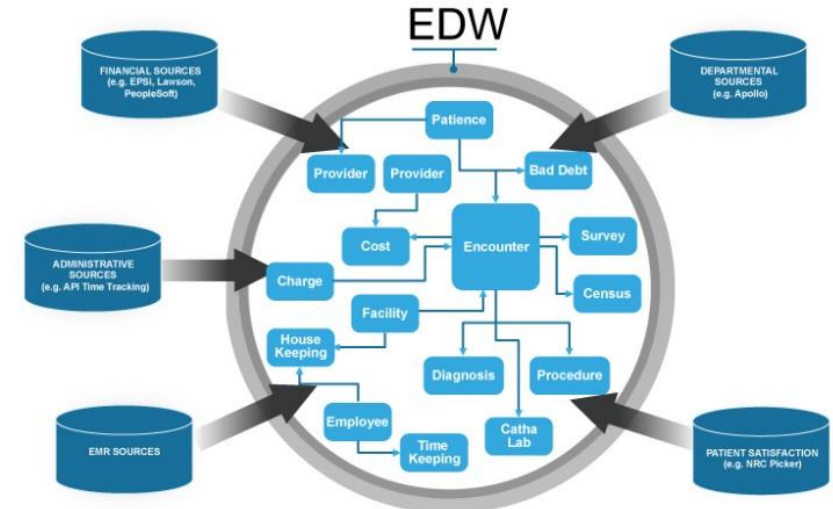


# Why Important?

- SQL Server data warehouses and analytics are complex, large and rapidly changing
- Companies need comprehensive visibility of analytics and DW usage and legacy inhibitors
- These unanticipated legacy issues, if not identified and addressed, introduce risks

## Risks

- Migration time delays
- Increased migration costs
- Performance problems
- Dissatisfied business users
- Higher Azure consumption costs



# Teleran Migration Case Study



“Teleran’s Azure Assessment enabled the bank to deliver a cost-effective, low risk migration that met business expectations. Teleran’s user and query management ensured that our business users were cost-efficient and productive in their ongoing use of the data warehouse in Azure.” -- **Director Data Warehousing, Money Center Bank**

## Client Results

- Reduced migration time by 2 months vs. initial plan
- Decreased budgeted expense by 4 FTE months
- Lowered ongoing cloud consumption costs by \$25,000 versus initial projections
- Optimizations ensured performance and business user productivity and satisfaction

# Azure Migration Assessment for SQL Server Data Warehouses

## Program Offer

- Standard Migration Assessment Package time period: 2-3 Weeks (additional time if required)
- Teleran staff supports data collection, analysis and recommendation engine
- Teleran or certified service partner analyze findings and integrate with migration plan



# Key Assessment Steps and Resources

Key Health Check Steps	Services Firm	Teleran Staff	Client Staff
Pre-Workshop Planning	X	X	
Planning Workshop with Client	X	X	X
Software Agent Install		X	X
Analyze Findings	X	X	
Present Optimized Migration Plan	X		

# Azure Migration Assessment for SQL Server Data Warehouses

## Teleran Profiling and Optimization

- Identifies and quantifies those issues that have material risk/impact that require remediation
- Directs remediation priority based on business service impact and effort
- Addresses issues that reduce business user productivity and that impede meeting business objectives
- Targeting on-premise SQL Server Data Warehouses

## Data Warehouse Profiling and Resource Requirements

- Transaction counts
- User counts
- Applications in use
- Result set metrics
- CPU, I/O, storage metrics
- Peak usage across day/week
- Error counts
- Data volumes
- Data usage patterns
- ETL/maintenance processes
- Database objects: schemas, tables, columns, views, stored procedures, packages



# Identify, Quantify, and Prioritize Migration Optimizations

## Issues Impacting DW Migration, Performance and Business Objectives

Long-running queries/reports

Poorly formed, resource wasting queries (many joins, select\*/wild card)

Wasteful user behaviors (duplicate queries, no data returned queries)

Application errors, database errors

Unused applications/reports

Unused or infrequently used data

Duplicate data

Inefficient or obsolete ETL or other maintenance processes

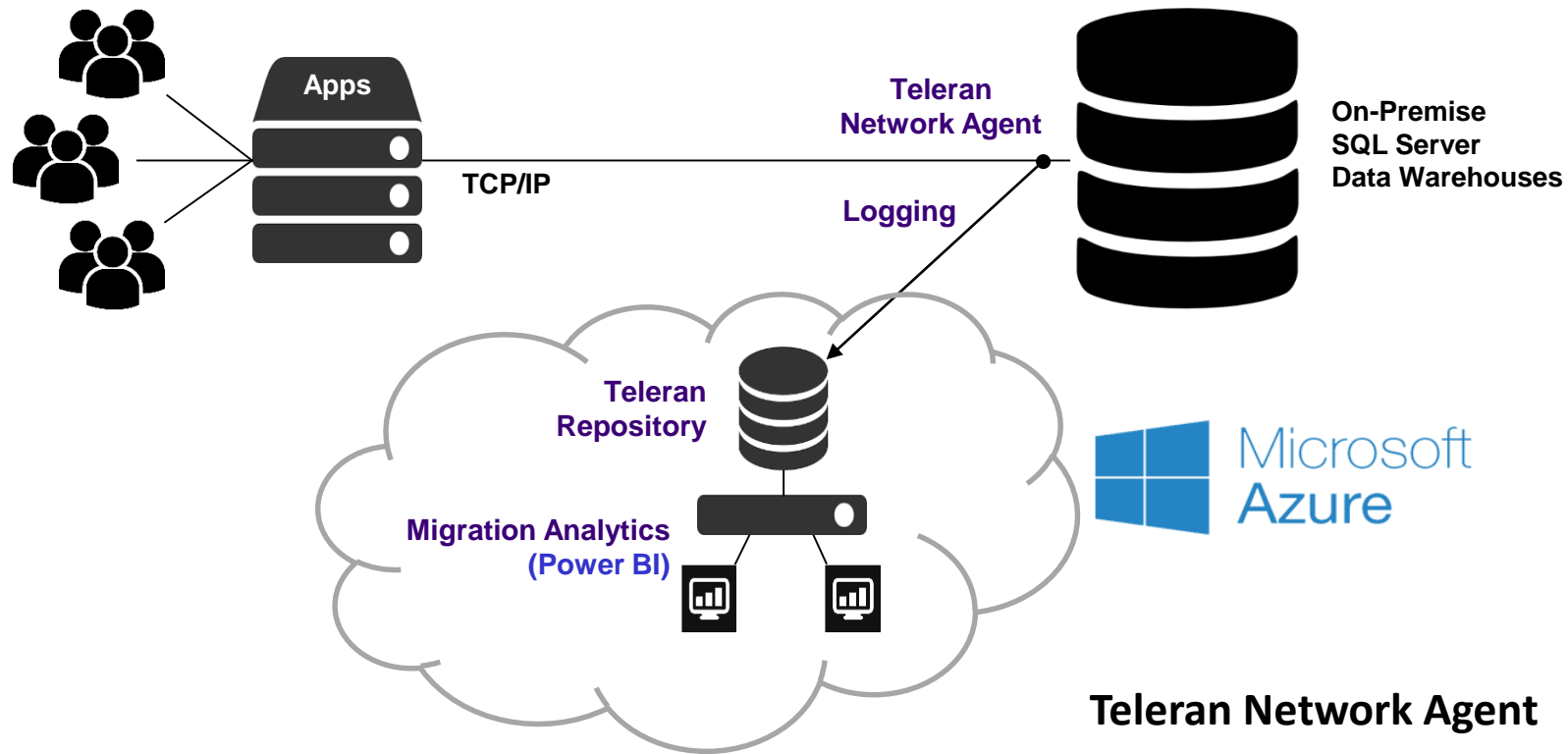
Concurrency issues/peak period resource consumption

Issues Identified, Quantified, Prioritized





# SaaS Offering – Unobtrusive, Efficient, Scalable



## Teleran Network Agent

- Unobtrusive – No database agents to slow performance
- Flexible Deployment – Resides on physical DB server or mid-tier
- Fast – Rapid, automated implementation

# Teleran

- 10+ years in business
- HQ - Fairfield, New Jersey USA
- Software patents in AI/Expert Systems, Usage Analytics  
Data Security, Machine Learning, Real-Time Controls
- Customers include Allstate, McKesson, Thomson Reuters, Wells Fargo and many other Fortune 500 and mid-size firms



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