Data Modernization Services
Case Studies

University Optimized Performance with a Migration to Azure

The Situation Before Ntirety

- Two data centers with operational risks
- Growth exposed code performance issues

The Solution

- Full discovery analysis, identifying root causes
- Tuned code and infrastructure design
- Partnered with Microsoft on security solutions
- Non-disruptive migration to Azure

The Results After Ntirety

- Operational risk reduced
- Improved performance and coding standards

Business Need
Cloud Migration
Application Optimization

Key Azure Services
Databricks
Cosmos DB
Key Vault
Machine Learning
Integration Runtimes

Ntirety Services
Cloud Migration
Professional DB Services
Managed Cloud Services

Organization Size
5000+ Employees
$581M Revenue

Microsoft Solutions
Azure
Power BI

Industry
Education

Weiler Data Warehouse was Migrated and Optimized on Azure

The Situation Before Ntirety

- Difficulty migrating data warehouse to Azure
- Data scientists time lost on infrastructure work

The Solution

- Full analysis of infrastructure challenges
- Co-development of SQL Server Analysis Services
- SQL coding and database administration

The Results After Ntirety

- Lower costs, reducing administrative overhead
- Performance gain after migration and tuning
- Data scientist productivity increased

Business Need
Data Warehouse
Cloud Migration

Key Azure Services
SQL Managed Instances
Azure SQL Database
IaaS Virtual Machines

Ntirety Services
Cloud Migration
Professional DB Services
Managed DB Services

Organization Size
200 Employees

Microsoft Solutions
Azure

Industry
Industrial Machinery

Arch Capital Group Scaled Their Analytics and AI Platform

The Situation Before Ntirety

- Challenge enabling a scalable data analytics and AI platform for their data scientists

The Solution

- Ntirety built the Azure Databricks resource groups and assets
- Partnered with Microsoft on DevOps integrations
- Conducted code reviews to improve performance

The Results After Ntirety

- Fully operational analytics and AI operation
- Overcame code migration challenges

Business Need
Data Warehouse
Analytics & AI

Key Azure Services
Azure Databricks
Snowflake
Azure Blog Storage
Azure Data Factory

Ntirety Services
Professional DB Services

Organization Size
3,600 Employees
$4.5B Revenue

Microsoft Solutions
Azure

Industry
Insurance

Olympia Orthopedic Associates Improved Visibility and Operations

The Situation Before Ntirety

- Limited visibility into practice's financial and operational health
- No Days in AR calculation, no insight on provider, procedure or facility performance.
- No way to assess the impact of long cash flow cycles
- No visibility into facility/state/federal compliance with surgical procedure auditing.

The Solution

- Design and build of a SQL Data Warehouse
- Highly custom data ingestion and reconciliation of incremental claims data coming from Athena Billing System
- Data ingestion of a surgical asset management system API (for the aforementioned procedure compliance).
- Build of a baseline set of measures, reports and dashboards in Power BI, along with configuration of the Power BI service.
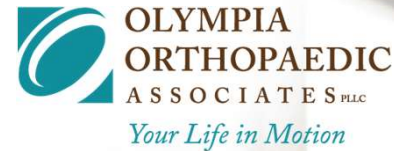- Ongoing managed service to support the solution.

The Results After Ntirety

- Shortened cash cycle with payers by focusing follow up activity on problem claims and reimbursements
- Improved compliance standing with procedural audit checks

Business Need	Ntirety Services	Microsoft Solutions	Industry
Data Warehouse	Professional DB Services	SQL Server	Healthcare
Analytics & AI		SQL Data Warehouse	Financial/Payments

OLYMPIA ORTHOPAEDIC ASSOCIATES PLLC
Your Life in Motion

Ntirety
FORMERLY HOSTWAY|HOSTING

IHS Markit Focused on Consulting with Azure Managed Services by Ntirety

The Situation Before Ntirety

- Lacked specialized skills for Azure data and security
- Limited IT staff to refactor and scale Azure

The Solution

- Ntirety expertise in networking and security best practices
- Operational management of all Azure deployments – R&D, staging, production and disaster recovery solutions
- Database tuning, monitoring, and maintenance
- Weekly Ntirety DevOps engagements

The Results After Ntirety

- IHS Markit focused on business development
- Resources efficiently scaled on demand
- Ntirety SOC mitigated security threats without disruption

Business Need	Ntirety Services	Microsoft Solutions
Azure Managed Services	Cloud Operations	Azure
Security Services	Professional DB Services	
Data Consulting	Managed DBA	
DevOps Support	DevOps	

Key Azure Services	Organization Size	Industry
All	14,00 Employees	Information Services
	$3.6B Revenue	