Johnson & Johnson Increases Reporting Query Performance by 50% and Creates a 30% Cost Reduction by Eliminating Manual Processing

Client's Challenge:
Johnson & Johnson's supply chain team was facing performance challenges with their data lake in AWS.

One of their largest clients mandated that none of their data continued to be housed on AWS.

They were looking to engage with a partner to move all their existing supply chain data to Azure and:

- Deliver a POC to prove out a reference architecture like their recently rolled out platform
- Analyze and extract data to run on Databricks Clusters for end-user reporting

Initial Solution:
Johnson & Johnson partnered with Neudesic to move all existing supply chain data to Azure. The solution helps deliver insights that improves their supply chain and strengthens relationships with their customers. Migrating their data to Azure:

- Improved performance, cost and collaboration optimizations for J&J's sophisticated ETL pipelines
- Increased collaboration and discovery as Azure Databricks can scale massively to easily use the spark distributed computation framework
- Implemented Databricks notebooks to capture parameters such as country, subject area etc. to perform audits faster

Impact:
This migration opened new opportunities for re-thinking and re-designing the components of Johnson & Johnson's data platform which resulted in:

- Increased efficiencies of query performance by 50%
- Eliminated manual processing using Azure Databricks
- Reduced costs by 30% and increased overall system performance
- Ability to drive the reuse of insights across different business units/departments by leveraging Neudesic's Azure Databricks framework

Technologies in Focus

Databricks
SQL Server Data Warehouse
Spark

Quick Stats

Industry: Utilities
Microsoft Pillar: Data & AI
Microsoft Segment: EOU
OCP Co-Sell Solution: Data Modernization Accelerator to Unified Analytics On Databricks

Project Highlights

50%
Increase in reporting query performance

30%
Reduction in cost by eliminating manual processing