



Data Acquisition and Analysis - Retail Industry

About Client

Florida based retailer with 300 locations needed to improve data acquisition and analysis

Problem Statement

A large specialty retailer with more than 300 locations in 6 states. Each location is running its own version of Microsoft based POS system. Data is collected each night from stores and consolidated in a single data warehouse on-prem. The whole cycle takes 8 hours.

Challenges

- Each store has its own product catalog
- POS systems running on old DB platforms
- The data replication happens in sequence versus in parallel

Solution

- Upgraded the POS system databases in batch mode to be able to create replication services
- Created a consolidated Datawarehouse with data cleansing and aggregation rules
- As a result the store data started to be replicated in the Datawarehouse in real time
- Executive team has access to real time dashboards to drive company into better sales performance

Tool Stack

Microsoft SQL Server, IBM Cognos, Microsoft SSIS

45%



Improved
Data Latency

80%



Increased
Data Accuracy

30%



Faster Query
Performance