

## Industry

### Retail

## Objective

Enhance existing data landscape and infrastructure to manage growing volumes of data.

## Manthan's Approach

We provided advisory service to evaluate and recommend the right technology platform.

## Benefits Achieved

**Before:** Average Query Time for standard and operational reports was *5-7 minutes* and ETL Window was *4-7 hours* in weekdays and *12-15 hours* on the weekend

**After:** Average time to refresh various analytical reports is now *20 – 60 seconds* and ETL window is reduced to *45 Minutes* on week day and *75 minutes* on the weekend

“MODERNIZED EXISTING DATA WAREHOUSE FOR A LEADING RETAILER TO ACHIEVE ENANCED PERFORMANCE”

Data is growing at an exponential rate leading to a significant increase in the amount of undiscovered data. Industry experts have realized that this unexplored data can be of potential value. This has spurred the demand to enhance infrastructure for effective management of growing volumes of Data.

## Leading Philippines-based Retailer

Client is Philippines-based leading retailer with its chain of department stores and retail affiliates which complements the traditional store lines. The company has over 1800 stores with over 3.6 Million Products.

## Business Context

Manthan had implemented its ARC product portfolio (on Oracle 11g) to address data warehouse and analytical requirements of the organization. However, with growing business demands and end user base there was a need to upgrade the underlying platform compatible to the present needs and scalable to the future requirements.

A snapshot of statistics is detailed below:

- 500+ Concurrent users and 45 Dashboards
- 13 Formats, 11+ Unique source systems and 200+ interfaces
- 15+ terabytes of growing data
- Business need to integrate external (Social Media data) sources for analysis

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### Solution

Manthan in partnership with the Client evaluated three Big data technology platforms - *EMC Greenplum, Amazon RedShift and HP Vertica*. Considering the business requirements to handle structured and unstructured data, scalable performance and TCO, Manthan implemented HP Vertica solution as the data warehousing database replacing Oracle 11g.

Manthan built 600+ analytical views to address the integrated data view requirements of client and migrated 15+ terabytes data into HP Vertica Appliance.

Manthan's ARC BI platform 6.4 was tested and certified against HP Vertica and upgraded ARC BI Platform to 6.4 version

With our Collaborative approach, we successfully enhanced the data refresh window and reduced time to market business insights.

### About Manthan



We are a high-end Analytics and Information Management Solutions company headquartered in Bangalore, India. We are a team of domain experts working round the clock to providing cutting-edge solutions to some of the biggest names in the Retail / CPG industry.

### Analyze, Decide & Do