

Background

One of the largest financial services banking organization was seeing unprecedented growth in data volumes and processing requirements on its traditional data appliance platform. Regulatory reporting requirements necessitated larger volume data processing and multiple newer data sources.

Challenges

Larger data processing needs were limited by available bandwidth on traditional data appliance.

More ad hoc predictive modeling needed vast amount of data sources to be brought in, this capacity was limited by exorbitant cost of storage and restrictive storage availability on traditional data platform.

Large group of analysts had to combine local ad hoc storages with production quality data and run analytics on external platform creating different versions of truth besides performance nightmares.

Solution

Provish Consulting Data Integration Professional Services architected and implemented Big Data Sourcing Platform to store and process all necessary Enterprise Data Management components. Reusable and modular components for relational data sources ingestion, transformational processing and secure view layer build were integrated in the framework. Data governance processes were identified, specified and established. Every data source ingestion and subsequent touchpoints were compliant to data auditing standards due to enhanced logging and reconciliation capabilities in the platform.

Business Intelligence reports working on original RDBMS platform were redirected to Hadoop SQL engines and tuned for better performance.

Results and Benefits

- Reduced time of data sources ingestion into platform allowed more resources for data processing and analytical workloads
- Traditional RDBMS platform was freed up of unnecessary historical data allowing it to handle more reporting requirements.
- Stable integration framework minimal development efforts for new applications or data sources to be ported in Hadoop framework.



Technologies Utilized

Cloudera Hadoop, Hive, Impala, MapReduce, Oozie, Unix
Teradata, Oracle
MicroStrategy, Tableau



Provish Consulting

Our Information Management services and solutions let you focus on your core business functions with all vital information and knowledge being made available at your fingertips. Our deep expertise in Business intelligence, Data warehouse and relevant Information Management areas ensures high quality solutions at most compelling value proposition.

To discuss how we can help your organization achieve optimum solutions, contact us at

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