

Reduce Financial Reporting Risk and Cost of Validating Financial Data Warehouses with AI/ML Powered Data Quality

Customer: Global Networking Equipment Manufacturer

This Fortune-100 Technology company was migrating its Teradata based financial warehouse system to Postgress system. They needed help in migrating over 4,000 tables and billions of records into the new system – a manual and tedious task to compare where data transferred accurately. Their technology stack included Teradata, Postgress, Snowflake and many Cloud components.



Challenges

Financial organization who were consuming the data, were surfacing data errors undetected by the technical team. There were a lot “unknown-unknown” errors that the SME’s had not thought of to check. The traditional approach to data quality validation was not scalable to validate and monitor 800+ data assets within the nightly processing window.

Outcomes

DataBuck’s “Autonomous DQ Module” helped migrate Financial Data Warehouse tables error free saving the client over \$1.7 million. This reduced financial reporting risk by leveraging DataBuck to monitor 800+ data assets in its financial data warehouse and reconciling financial information.

- Deployed auto-discovered data quality rules in less than 30 days for 800 data assets using just 2 resources, which in a traditional approach would have taken 500 person-weeks.
- DataBuck has provided 40% reduction in manual work by automating data quality process. It also reduced “time to market” (publish verified reports) from 8 weeks to 2 weeks – something that was unthinkable before.
- DataBuck detected several unexpected data errors that would have impacted financial reports.
- In daily runs DataBuck reduced data validation time from 11 hours to less than 2 hours so they could execute all the necessary validations within their audit window.



Automation reduced manual work for data quality validation by 40%.



Reduced time to market from 8 weeks to ~2 weeks.



Fast implementation.



Auditability and Visibility: Executive dashboard and detailed audit trail for each table.

DataBuck – Benefits




People Productivity
Boost >80%



Reduction in
Unexpected
Errors: 70%



Cost
Reduction
>50%



Time Reduction to
Onboard data
set ~90%



Increase in
processing
speed >10x



Cloud
Native