Xoriant

ENTERPRISE REPORTING FOR A NETWORK SERVICES COMPANY WITH DATA LAKE

Built an enhanced reporting framework using AWS Cloud-based data lake for easy, reliable and consistent reporting

Client Background

Our client is a global leader in core network automation and security services. An anachronistic on-premise financial reporting system made information access difficult for business functions across the client's company. The client struggled from heavily siloed corporate information on revenue, discounting and installed base. Unreliable and rudimentary BI reports frustrated the business users further. In addition, the lack of trustworthy and central corporate reporting system for C-level executives led to manual data massaging. Eventually, unmet information impeded the decision-making process for business users. So, the client wanted to gain the ability to quickly aggregate data from multiple sources and receive meaningful business insights and analytics for timely decision-making.

The key objectives included:

- Development of a cost-efficient and valuable reporting framework by bringing data from various systems in a data lake that can be used for easy, reliable and consistent reporting
- Creation of dashboards for faster access to business insights

Xoriant Solution | Key Contributions

The client sought Xoriant's technical expertise to assess and upgrade their outdated reporting system. Our engineering team proposed using Xoriant's data ingestion tool along with AWS cloud-based data integration

KEY BENEFITS

- Enabled business leaders across all functions with access to integrated information for informed decision-making. Earlier, it took several days to reconcile data across silos

- Improved time-to-market with standardization of information delivery using data lake

- Enhanced reporting workflow with interactive dashboards and the 103 user-friendly corporate reports

for seamless access to cohesive business insights. We developed a robust enterprise reporting framework by bringing data from various systems in a data lake to suit the client's reporting needs. Our key contributions included:

- Development of AWS-based Enterprise Data Warehouse and a reporting solution
- Data ingestion using CloudIO "FLOW"
- Design of dashboards with uniform UI

Development of AWS-based Enterprise Data Warehouse and a reporting solution:

Our team integrated data sources such as SFDC, Oracle Fusion, engineering data, and various spreadsheets used by business users. We developed modules for data reconciliation, error handling, and aggregation. The majority of the components used during deployment are hosted in AWS EC2 and S3 buckets.

Data ingestion using CloudIO "FLOW":

We used our proprietary in-house accelerator framework CloudIO "FLOW" for seamless data movement from various source systems into the data warehouse.

Design of dashboards with uniform UI:

We developed intuitive reports and dashboards using Tableau to enable business insights and self-service reporting. Our dashboards featured a consistent User Interface design for easy navigation of historical bookings, renewal cohort discounts, installed base, renewals, and orders.

KEY BENEFITS

- Saved license cost of proprietary ETL tool (Dell Boomi) for enterprise users
- Accelerated rapid data ingestion for future data sources using our data ingestion accelerator
- Highlighted critical data quality issues which resulted in the need for master data management solution
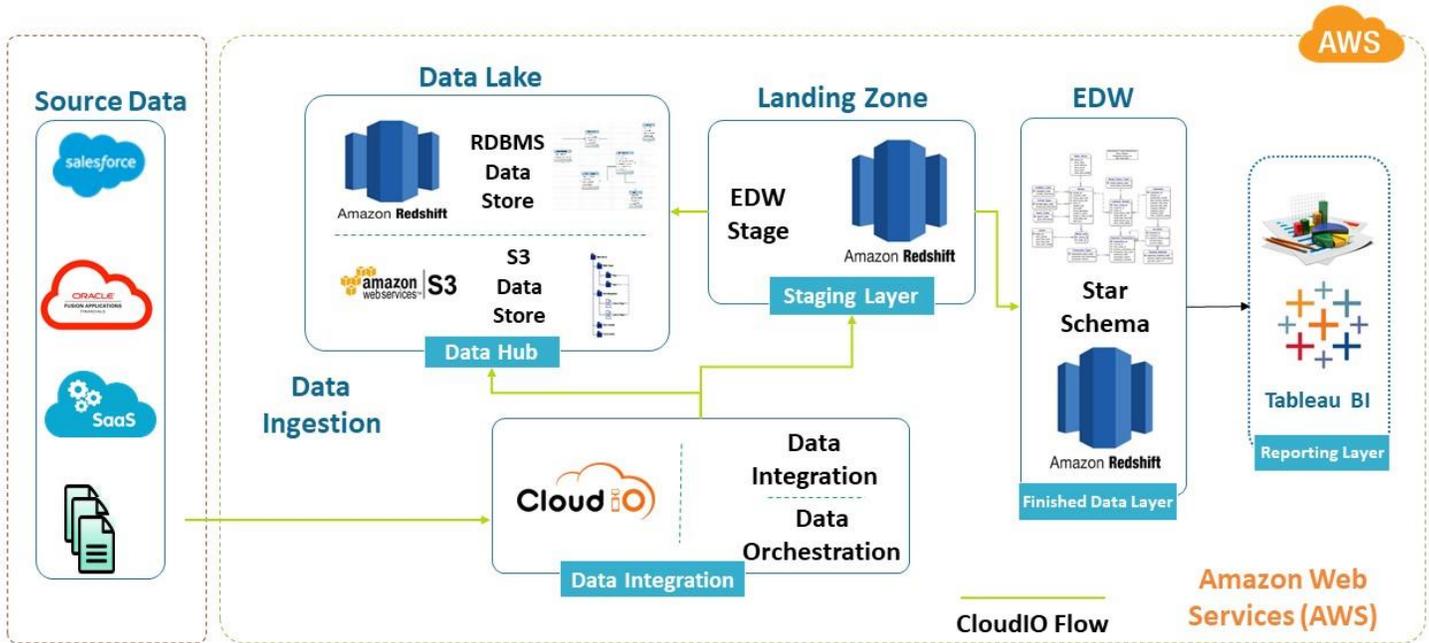
Client Testimonial

Xoriant's niche technology expertise simplified our reporting workflow and made our data usable with well-integrated dashboards. To extend our business benefits, we are looking at developing more dashboards across functions as per our information requirements in the future.

High Level Architecture

Technology Stack

AWS (S3, Redshift, EC2) | SFDC | Oracle Fusion | Tableau | CloudIO (FLOW)