CUSTOMER SPOTLIGHT

DUCEN™
Intelligence to Decision Making

ANALYTICS AND DATA WAREHOUSE SOLUTION: OPTIMIZE, VALIDATE, AND REPORT

Reduce the time it takes to access, validate and update Data Warehouse by eliminating the number of manual interventions required to handle data transmission failures. Automate data feed, notifications, and schedule report delivery to improve operational efficiency and productivity significantly.

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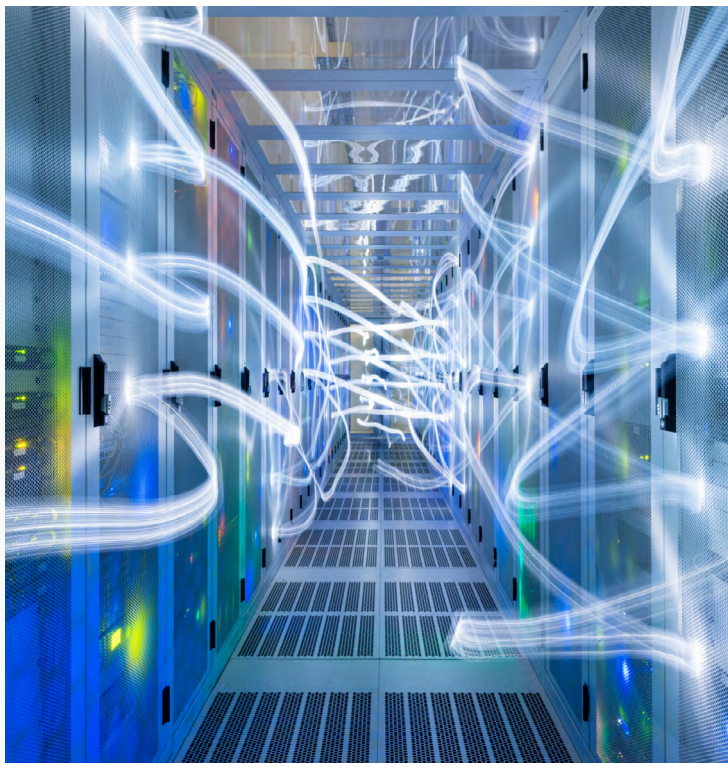


SUMMARY

CHALLENGE

Client faced major issues with keeping its Data Warehouse up-to-date. Data transfer, data processing, and data validation was lacking in the process. Operational downtime was high and no automations were in place to notify or alert its users about the current state of all business functions. Gaps were evident in their existing system that validate incoming data before they are transferred into the data warehouse.

SOLUTION

Ducen's proprietary BI solution, Analance™, was implemented with a single sign-on integration. New delta load processes were implemented. The solution automated the operational process and improved validation routines to validate all incoming data. The solution even provided pre-canned reports and ROLAP and OLAP capabilities to users.

BENEFITS

- Overall reduction in the time taken to consume, validate, and update the data warehouse
- Reduction in amount of manual intervention required during data transmission failures
- Automated monitoring of data feed, notifications, business rules checks and reconciliation
- Automatic scheduling and report delivery
- Rapid deployment

CLIENT PROFILE

The client is a national investment firm that manages over six billion dollars in investor assets. The client offers its investors with a full range of investment management styles as well as conventional, socially responsible, and smart investment choices. They have a comprehensive range of products and services across asset classes, geographies, and investment strategies. Every investment product offered by this client is designed to deliver superior risk-adjusted returns over the long term.

BUSINESS CHALLENGE

The client followed a conventional approach to consume full load of data in a sequential manner from multiple source systems before integrating the entire set in the target system, thus limiting the successful validation of previous routines. The daily pull routine had increased the time it took to process the data as its volume grew exponentially, resulting in frequent operational downtimes. Occurrences of unexpected events such as network failures or data corruptions resulted in the loss of data transmission while retransmitting them consumed even more time. Due to the lack of automated systems in place, notifications on the sanity level of the data received during a routine and report delivery were unavailable.

The client demanded a solution that would allow for a quick data warehouse refresh with data being transferred from multiple source systems through a push model using delta loads. The client also required an analytical solution that would automatically validate all incoming data and populate them in the data warehouse. Automated email notifications and alerts were critical to the client in case a request for new delta was required due to a transmission failure. To provide more visibility within the organization, client was also in need of a Business Intelligence solution with a single sign on integration and dashboard to provide access to operational data reports and automate report delivery to business users after every data load is complete.

SOLUTION

- Analance™ was deployed in the client's Virtual Data Center (VDC) to comply with their existing environment and existing SQL Server assets were leveraged for data warehouse and reporting needs
- The automation engine notifies and sends email notifications every time files are received at the target zone and initiates the validation process of the received file (XML and control files)
- New automated notification alerts were developed to notify the data owners about the failures in data validation and request to resend delta loads
- Successful validation will initiate the notification and populate the data warehouse with the data from received files
- Provides pre-canned reports and with ROLAP and OLAP capabilities to users, it enables them to build multi-dimensional analytical reports to view the performance of the business
- Near real-time (or) daily automated report generation enables end users to have the right information at the right time to make appropriate business decisions for their daily operations
- Reports will be made available on Analance™ with single sign-on capability

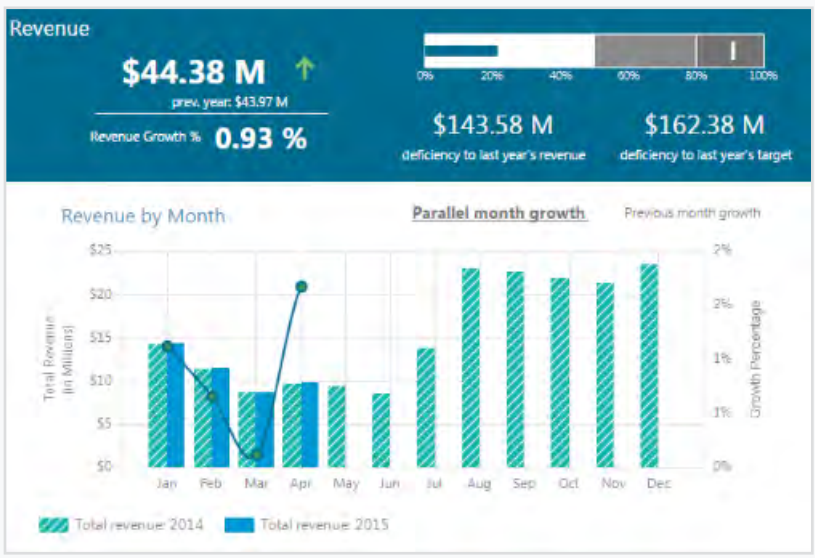
RESULT

- Overall reduction in the time taken to consume, validate, and update the data warehouse
- Reduction in amount of manual intervention required during data transmission failures
- Automated monitoring of data feed, notifications, business rules checks and reconciliation
- Automatic scheduling and report delivery
- Rapid deployment

ANALANCE™ ADVANTAGE:

- Provides best practice methods for analysis and reporting
- Drives higher profits and faster ROI
- Leverages existing systems and data
- Customizable dashboards provide an interactive tool, delivering a top down view of the business
- Easily access, summarize and manage data stored in a multidimensional structure
- Streamline data analysis to shorten reporting cycles and save resources
- Gain deeper insights into operational data for better, faster business decisions

REPORTING ON DEMAND



For more information
Visit www.ducenIT.com

WHY DUCEN?

- Thought leader in business process optimization
- Guiding principle of business: Continuous Improvement Model
- Single layer of accountability
- On-time and accurate delivery success
- Rapid development
- Young and dynamic team with proven record of accomplishments and work ethics

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