TAVANT

ACCELERATING DATA MODERNIZATION AND ANALYTICS FOR A GLOBAL CREDIT BUREAU

How Tavant Modernized Legacy Data Systems and Powered Scalable, High-Performance Analytics

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THE CLIENT AND THE CHALLENGE

A global credit bureau faced mounting challenges with its COBOL-based mainframe systems, which were costly to maintain and lacked the agility for modern data-driven operations. Manual data validation led to inconsistencies impacting efficiency and regulatory compliance (e.g., LGPD). Additionally, the client struggled to process and analyze vast data volumes, limiting predictive insights and personalized customer experiences. To stay competitive, they needed a modernized data ecosystem with improved scalability, data quality, and advanced analytics capabilities.

THE SOLUTION

Tavant strategically transformed the client's legacy data infrastructure by leveraging cloud technologies, AI-driven analytics, and scalable architectures. The transition to an AWS-powered big data platform improved scalability, cost efficiency, and operational agility. Key enhancements included automating data ingestion, strengthening data quality controls, modernizing application architecture, and integrating AI-powered analytics for real-time decision-making.

THE IMPACT

Tavant's AI-driven transformation enabled the client to streamline operations, enhance data accuracy, and accelerate regulatory compliance. The modernized infrastructure significantly improved system agility, allowing faster data processing and real-time analytics. With improved decision-making capabilities, cost efficiencies, and scalable cloud architecture, the client could better serve customers, launch data-driven products faster, and strengthen its competitive edge in the evolving financial landscape.

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CLOUD MIGRATION & SCALABILITY
Transitioned from COBOL-based legacy systems to an AWS-powered big data platform, reducing costs and enhancing scalability.

AUTOMATED DATA MANAGEMENT
Implemented an event-driven Lambda architecture, automating data ingestion and processing.

DATA INTEGRITY & COMPLIANCE
Integrated 200+ data quality rules to ensure accuracy and compliance with global regulations.

APPLICATION MODERNIZATION
Re-architected legacy monolithic applications into microservices for increased agility and performance.

AI OPTIMIZED CLOUD PERFORMANCE
Migrated applications from RedHat OpenShift to AWS EKS, enhancing performance while achieving significant cost savings.