BROADCOM®

GLOBAL FINANCIAL INSTITUTION UNLOCKS FULL VALUE OF MISSION-CRITICAL DATA WITH AUTOMATION

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Data Pipeline Delays Introduce Risk

For a top ten global financial institution, daily liquidity reporting plays an essential role in managing cash flows, complying with regulations, mitigating risks, and ensuring investor confidence. However, frequent issues with overnight data pipeline processing were delaying the delivery of these reports by up to six hours. These delays were jeopardizing decision-making efficacy, compliance, and critical operations. Recognizing the critical nature of these issues, leaders at this institution formed a new technology operations team that was dedicated to focusing on data pipeline outcomes and identifying the root causes of these delays.

Identifying the Root Cause

The team leveraged a leading automation solution from Broadcom to analyze and resolve the bottlenecks that were having an adverse impact on their data pipelines. The solution features advanced observability and SLA governance capabilities, enabling the team to visualize the end-to-end data flow, identify inefficiencies, and pinpoint upstream dependencies causing delays impacting the delivery of mission critical data. By monitoring trends and proactively managing pipeline components, the team made data-driven adjustments to problem areas.

The team successfully eliminated recurring delays, ensuring consistent on-time delivery of daily liquidity reports. In this way, they were able to ensure that critical pipeline processing aligned with SLA requirements for timely liquidity reporting. This helped the institution promote regulatory compliance, improve decision-making, and reduce operational costs.

Navigating Complexity and Expanding Capabilities

Like many large organizations, this financial institution faced inherent complexities, which were compounded by technological evolution, acquisitions, and growing data volumes. These factors introduced such challenges as siloed visibility driven by inconsistent processes, tools, and reporting across teams. Broadcom's solution bridged these gaps by providing a centralized platform for unified pipeline management, enabling teams to optimize performance.

> **Daily liquidity reports were consistently late, with delays of up to six hours. This had an adverse impact on decision-making and regulatory compliance.**

Building on the success of the liquidity reporting initiative, the team implemented a program focused on reducing major incidents. They employed the solution to track and analyze data pipeline performance. This effort led to a 60% reduction in data pipeline delay incidents within the first year. Further, the team created a sustainable framework for making ongoing improvements by identifying trends and resolving recurring issues.

The Business Impact of Proactive Pipeline Management

Advanced analytics and intelligence empowered the technology operations team to transition from reactive troubleshooting to proactive pipeline management. The team developed business impact statements to tie technical issues directly to business outcomes. This set the stage for enhanced collaboration between technology and business teams. Heat maps and trend analyses became vital tools for identifying and addressing potential bottlenecks before they escalated.

The group's proactive approach extended beyond data pipelines, inspiring a cultural shift within the organization. With the same data-driven mindset, teams began addressing broader operational challenges, such as network and storage inefficiencies. Business line leaders now proactively collaborate with technology operations managers to identify upstream issues, further strengthening the institution's operational resilience.

Achieving Results with Broadcom

"The solution from Broadcom makes us more proactive," said the institution's director of technology operations. "The solution enables us to effectively manage data pipelines, providing end-to-end visibility and reporting that we cannot get independently from each data tool."

Thanks to Broadcom, this global financial institution transformed its data pipeline management, achieving consistent timeliness, enhanced decision-making, and improved operational efficiency. By focusing on actionable insights and proactive resolutions, the organization unlocked the full potential of its data pipelines, creating a foundation for sustained success.

For more information, visit our website at: www.broadcom.com/products/software/automation

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