TRUSTLOGIX

Leading Fortune 500 Financial Company Secures Democratized Access to the Enterprise Data Lake with TrustLogix

Siloed Data, Multiple Data Platforms, and Limited Data Access

Within the financial services industry data security is paramount. At a leading multinational investment bank, they not only realized the importance of data access, but also the need to make sure that it's not falling into the wrong hands for both competitive as well as regulatory reasons.

To unlock the potential within their data, they embarked on an enterprise data lake (EDL) strategy designed to democratize data within a centralized data lake for the company. Confidence in how various data consumers are interacting with the data is a key element to a successful EDL strategy. However, with hundreds of data applications and platforms in use, both on-premises and in the cloud, they were challenged by the fact that each of these systems had their own access control constructs and policies, along with legacy processes to define, manage, and enforce those policies.

First, the lack of standardized, fine-grained access controls across those hundreds of platforms (including Databricks, AWS Redshift, AWS S3, AWS Glue, Snowflake, etc) and clouds was highly complex to manage. Each platform had its own native policies that could be

difficult to understand and implement. their EDL team manually translated these policies into disparate data views accessible to locally-defined roles for each data platform and tool. This decentralized approach created complexity and slowed data accessibility for data consumers. For business teams, this often meant security would become a bottleneck, adding weeks or months for common tasks like onboarding a new data tool, granting expanded permissions to a data scientist for a new use case, or auditing who has access to what data across the company, creating significant legal risk.

Furthermore, when data access was granted, there was frequently no visibility into who owned the data. As a result, a manual step was required by a DBA to connect these dots which was time-consuming, error-prone and risky.

Business Impact

DAYS

to

MINUTES

Faster data access for the business

Data Ecosystem

amazon REDSHIFT

AWS Glue

amazon S3

snowflake

Amazon Aurora

databricks

amazon RDS

Another key challenge driven by their large and complex data ecosystem was the inability to monitor and discover data policy and entitlement issues. This made the security operations team highly reactive and unable to effectively identify who was accessing which data, where and when. In turn this hampered their ability to do fast audits of key problems like inadequate recertification, misuse of access rights, data exfiltration, etc. And as their data ecosystem continued to grow, conflicts among policies and entitlements wreaked havoc on their governance posture.

"Our inability to centrally manage all of our data security policies across our data platforms hampered our ability to deliver value to the business in a timely manner," explained their Vice President of Data and Analytics. "We needed a way to standardize and automate security control across all our tools, platforms, and clouds."

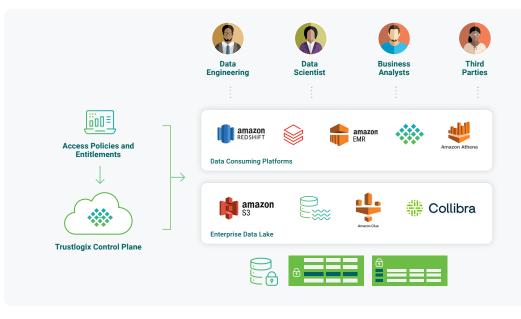## A Unified Approach Reduces Complexities and Allows Secure Access Across All Clouds and Platforms

This financial services company chose TrustLogix for its proxyless, cloud-native platform that simplifies data security and governance across their multi-cloud and platform environment. With the management and enforcement of data policies and entitlements in one place, their security teams are now able to centrally enforce and manage granular data access controls for various downstream data consumers and introduce accountable processes to ensure data security and privacy are operationalized.

"TrustLogix provides strong, non-obtrusive data security controls in a consistent manner across all data platforms and tools, managed from a single pane of glass," said their Chief Information Security Officer. "This removes the constraints of native security controls and open-source tools."

Through its proxyless, agentless architecture, TrustLogix not only provides the company with the flexibility to create and manage data security policies across different platforms, but allows them to do so at scale without impacting performance. It also provides the team with the ability to discover and observe the data policies in place — ensuring rules are correct and never broken.

On the security front, things are equally improved. TrustLogix now allows their security team to provide access without needing to know the data complexities — pulling the ownership of data security policies back where it belongs, with the data owners.

"TrustLogix secures data properly at the source so it seamlessly scales with us without needing proxies or agents. It really is the ideal architecture for us," explained their CISO.

A Secured Enterprise Data Lake that Scales with the Business

TrustLogix integrated EDL environment at a leading Fortune 500 financial company

Today, TrustLogix is critical for the adoption of the Enterprise Data Lake at this financial company. Not all data in the EDL can be shared with everyone within the company. Now, by default, only approved users with entitlements get access to the data. It's a fundamental building block of their security posture. It's also now easy to find how many users/ groups are using data across Redshift, RDS, and a Snowflake data lake, which helped to unblock EDL adoption.

Data scientists, business intelligence analysts, and data engineers now get access to data when they need it while keeping information protected and secure. And the security team can work closely with them to ensure the appropriate levels of data security and access controls are enforced.

"To drive digital transformation forward, we need to make sure the right data is available to our data scientists and analysts so that they can quickly access the data for analytics and AI/ML use cases in a tightly controlled way," explained their Vice President of Data and Analytics. "TrustLogix gives us the cloud-native architecture to solve this problem by allowing security to mandate the framework, letting our data stewards define the policies that govern their data while securing it at the source so it scales without proxies or agents."

With TrustLogix firmly integrated into their data security framework and processes, this company has been able to reduce their time-to-value for data access from days to minutes — democratizing secure data access and accelerating digital transformation.

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