



How a top bank saved \$50 million by improving security

In collaboration with



See why optimizing data security and access with Immuta can help financial services enterprises achieve significant business objectives.

Overview

A siloed and diverse data ecosystem meant that one of the world's largest multinational financial institutions faced numerous challenges accessing data in a timely and effective manner. A further challenge was the scope and range of the institution's service offerings that includes investment and commercial banking and wealth and asset management to millions of customers across the globe. To streamline and optimize data use and results across its global lines of business, the institution tasked its enterprise data architecture team to work with [AWS Partner Immuta](#) to implement a solution to its central cloud data platform.

Size, scope, and silos impact business outcomes

The financial institution's retail bank unit has a team of more than 5,000 data analysts that needed real-time access to data to help drive strategic decision making and strategic planning. However, with no way to ensure auditing and proper access to sensitive and private data across the institution's diverse cloud data ecosystem, the team was forced to rely on manual processes with stringent approval workflows. As a result, analysts were losing 35% of their time waiting for data access. Not only did this delay speed-to-insights—potentially impacting the bank's ability to grow—it also introduced the compliance and security risk of data analysts developing their own workarounds. Further, these inefficiencies meant the institution was missing significant low-hanging fruit in terms of extracting value from their data.

About Multinational Financial Institution

One of the world's largest multinational banks provides a broad range of services, including investment and commercial banking, and wealth and asset management, to its millions of customers across the globe.

The bank's leadership team has recognized the importance of data as a competitive tool, and committed to investing in resources to optimize data use and results. To streamline data use across all global lines of business, the enterprise data architecture team was tasked with implementing and managing access control of a central cloud data platform on AWS.

This issue came to a head after the institution received a fine of millions of dollars due to weak data access controls and auditing capabilities. The bank could not afford another violation. This issue was not unique to this one financial services enterprise. Data from [S&P Global's 451 Research](#) shows that 63% of those on the consumption side of the data supply chain, such as data analysts, turn to alternate methods of accessing and downloading data without proper access control enforcements. In addition, the explosion of demand generally for more and faster data access has enterprises scrambling to keep up. Too often, access is blocked by manual processes, organizational bureaucracy, and an overly complex technology stack. Data consumers are left waiting, sometimes for months, for a data access request to be approved and then provisioned. Therefore, optimization of data access offers an excellent ROI by accelerating innovation and strategic decision making.

Immuta & implementing secure accelerated time-to-data

Immuta's mission is to empower organizations with a faster and safer way to put their data to work and generate value from it. This means having confidence that the enterprise's data is secure, controlled, and shared only with the right people in the right ways, so they can focus on driving innovation and realizing new value. Immuta also helps enterprises connect data producers, consumers, stewards, and governors with a single place to publish, find, request, provision, and access data across all storage and computer platforms. Proactively mitigating risks is about building trust in the organization's data with real-time monitoring and reporting so that from day-to-day use to policy performance, they know exactly what's happening anywhere and anytime. Immuta helps organization speed data access to their teams so they can share faster, discover faster, and innovate faster with full governance, risk, and compliance controls.

A critical partner enabling this infrastructure is [Amazon Web Services \(AWS\)](#). For example, [AWS Lake Formation](#) and Immuta's dynamic access control provide consistent security across diverse AWS compute engines and storage solutions to enhance interoperability and making it easier to govern data across multi-cloud and hybrid environments.



Support for [AWS Lake Formation](#) underscores our commitment to driving innovation through collaboration. With support for AWS Lake Formation, we are enhancing security, governance, and efficiency for our customers, empowering them to extract maximum value from their data while maintaining the highest standards of security and compliance."

Matthew Carroll
Co-founder & CEO,
Immuta



The elastic [AWS global infrastructure](#) allows Immuta to manage data security at scale, thus reducing operational complexity by 93x fewer data policies while increasing secure data access by 100x leading to faster insights and streamlined data operations. Immuta's native integrations with AWS platforms—including [Amazon Redshift](#), [Amazon Redshift Spectrum](#), [Amazon Athena](#), [Amazon EMR](#), [Amazon Simple Cloud Storage \(S3\)](#), and [Amazon SageMaker](#)—allow customers to simplify operations, enhance data security, automate access controls, and unlock the full value of their AWS data.

Immuta worked with the financial services institution's team to identify a series of needs to help them meet their data security goals and accelerate their time-to-data. Together, they identified key objectives including optimization of approval rates, cost, and revenue; sales and market share growth; simplification of access to new payment methods and technology; and finally, protection of customers' trust and the brand.

From fiction to fluent real-time data usage

With the Immuta solution implemented, the financial services institution's data team had sensitive data detection to automatically discover personally identifiable information (PII) across their cloud data platform with standard classification. The solution extended the control and audit plane to additional cloud services to support universal access control while tracking when and how data is used. It helped the institution create global policies once and implement fine-grained access control across the cloud data platform with auditing capabilities to answer questions, such as who accessed what data over the last 30 days.

The result: The global financial services institution saved more than \$50M in resources as a result of automating 95% of data access control requests, reducing requirements for data engineering resources. The implementation decoupled the bank's on-premise data warehouse from cloud data access requests, thereby accelerating cloud adoption across its lines of business. Additionally, it scaled self-service data access to more than 5,000 users in just six months.

\$50M

in resources saved

95%

proportion
of data
access control
requests

requests Immuta helped the bank automate, leading to accelerated access and innovation

5,000+

number
of users

Immuta enabled with self-service data access within six months



In all, customers choose Immuta to protect and accelerate their data use for its native integrations with cloud data platforms; multiplatform policy, control, and visibility; streamlined user experience with defined and embedded collaborative workflows; simplified experience for all users; continuous data access monitoring; and world-class customer support.



With modern cloud architectures and governance solutions like Immuta, [financial institutions are] able to enforce dynamic, policy-based controls that align with local regulatory requirements while maintaining global agility. This approach gives the right people access to the right data—no more, no less—allowing teams to collaborate securely and move faster without compromising compliance.”

Peter Williams

Head of Partner Technology, Global Financial Services,
Amazon Web Services

About Immuta

Headquartered in Boston, Massachusetts, [Immuta](#) enables organizations to unlock value from their cloud data by protecting it and providing secure access. The [Immuta Data Security Platform](#) ensures sensitive data discovery, security and access control, data activity monitoring, and has deep integrations with leading cloud data platforms, especially Amazon Web Services. Immuta is now trusted by Fortune 500 companies and government agencies around the world to secure their data.

To learn more, visit www.immuta.com

