

Unlock real-time AI-driven insights in financial services

Break down data silos, ensure compliance,
and power smarter decision-making

Transforming data into decisions: Tackling the biggest challenges in financial services

Data is at the heart of the financial world. Financial institutions both generate and rely on massive volumes of data to drive critical decisions. They also operate in a world where milliseconds matter. Whether for fraud detection, risk management, regulatory compliance, or customer experience optimization, success depends on instant, secure access to accurate data.

Yet, many firms face persistent challenges in harnessing their data effectively. Siloed data sources, legacy infrastructure, and stringent security mandates create obstacles to real-time analysis and decision-making. The conventional approach—centralizing data in costly, monolithic data warehouses—slows decision-making, increases regulatory and compliance challenges, and hinders AI adoption. For financial institutions, where speed can be the difference between profit and loss, delay is not an option. This is particularly problematic in fast-moving areas such as fraud detection, real-time trading, and risk management, where instant access to data is essential.

Starburst rewrites the equation. Instead of requiring organizations to relocate their data as a starting point, Starburst gives you a choice over your data architecture. It creates a single foundation for all your data—whether for analytics or AI—enabling instant insights without costly, complex data movement.

A smarter approach to data for financial services

By enabling organizations to access and analyze data across legacy systems, cloud environments, and highly secure infrastructures—without requiring migration—Starburst offers greater flexibility and control over your data. This allows financial services organizations to:

- **Leverage real-time insights** for fraud detection, risk management, and regulatory reporting by seamlessly accessing all available data, wherever it resides.
- **Enhance AI-driven decision-making** by feeding compliance models, cybersecurity defenses, and financial forecasts with the most comprehensive datasets.
- **Lower operational costs** by leveraging modern, open standards, reducing reliance on proprietary technologies, eliminating redundant data storage, and optimizing analytics.
- **Accelerate critical decisions** by providing instant access to business-critical information—without the delays of traditional data pipelines.

Whether ensuring compliance, strengthening fraud prevention, optimizing trading strategies, or mitigating risk, Starburst empowers financial institutions to access, analyze, and act on their data instantly—fueling AI-driven innovation while maintaining security and regulatory integrity.

The Starburst advantage for financial services

Access data wherever it lives

Financial data is scattered across core banking systems, securities systems, payment networks, credit bureaus, and cloud environments. Starburst queries data in place, delivering real-time insights across multi-cloud, hybrid, and on-premises environments—without requiring data migration.

Ensure compliance & security

Regulators demand airtight data governance. Starburst ensures secure, real-time access to distributed financial data with fine-grained access controls, end-to-end encryption, and seamless compliance with FINRA, SEC Rule 17a-4, BCBS 239, Basel III and other regulations. Its zero-trust security model guarantees that only authorized users can access sensitive data, enabling financial institutions to stay compliant while maximizing data value.

Eliminate bottlenecks for AI & analytics

Financial institutions are rapidly embracing AI to drive fraud detection, risk modeling, and real-time trading. Starburst accelerates AI adoption by eliminating data silos, reducing query times from hours to seconds for real-time fraud detection and portfolio analytics, and powering AI models with live, federated data to ensure they operate on the most up-to-date financial insights.

Reduce costs & optimize data infrastructure

Traditional data warehouses and centralized data lakes are costly and hard to scale. Starburst reduces storage costs by enabling firms to leverage non-proprietary, cloud and on-premises storage options while modernizing legacy systems without disrupting operations. With built-in cloud flexibility, enterprises can tailor their architecture to their strategy.

High-impact use cases in financial services

Fraud detection & prevention

Spot anomalies before they escalate. Starburst manages your data architecture, enabling real-time transaction monitoring across payment networks, credit bureaus, and banking systems. We support AML, KYC, and OFAC analytics—ensuring compliance with global data sovereignty laws.

Risk management & compliance

Automate risk analytics across global portfolios by powering highly performant data-driven risk models. Starburst enables institutional compliance with governance standards (FINRA, SEC Rule 17a-4, BCBS 239, Basel III and others), enhancing anti-money laundering (AML) efforts by integrating data across multiple jurisdictions and institutions.

Customer intelligence & personalization

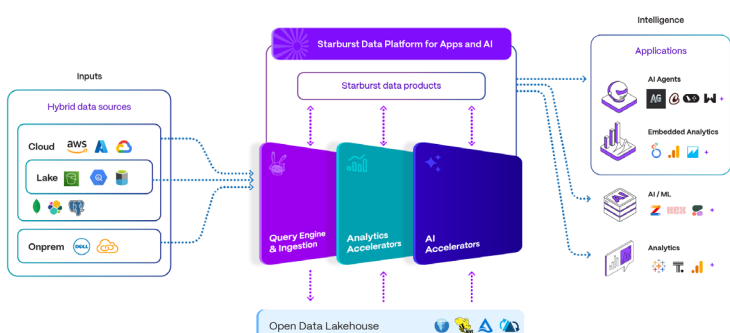
Use AI-driven insights at scale to enhance customer engagement and tailor financial products. Starburst enables analysis of multi-year transactional and behavioral data to optimize credit scoring, lending decisions, targeted marketing, and cross-sell opportunities.

Market & trading analytics

Enable algorithmic trading with access to market and transactional data. Process high-volume financial transactions without latency, and deliver instant analytics on portfolio performance, hedging strategies, and liquidity risk.

Operational efficiency & cost reduction

Eliminate data silos, reduce infrastructure costs, and streamline back-office operations by preventing unnecessary data duplication. Starburst helps streamline finance, risk, and compliance workflows with real-time analytics and enables instant data model updates without lengthy pipeline modifications.



Powering AI-driven financial insights with Starburst

- Unified data access**
Starburst connects to over 50+ data sources—from legacy on-premises databases to secure cloud environments—allowing finance, risk, and audit departments to query data instantly without disruption.
- Security & compliance built-in**
With fine-grained access controls, end-to-end encryption, and seamless integration into existing regulatory frameworks, Starburst ensures enterprise-grade security and compliance.
- Faster decision-making**
Starburst significantly reduces analytic query times from hours to seconds while also feeding state-of-the-art AI models. Together, this empowers financial institutions to make faster, data-driven decisions with confidence.
- Improved governance**
Starburst data products provide curated, governed access to datasets. This enhances model accuracy, improves security, and reduces errors—driving better business outcomes.

Leading financial institutions trust Starburst



About Starburst

Starburst unifies data across clouds and on-premises environments, accelerating AI innovation with fast access, collaboration, and governance—future-proofing data architecture to fuel innovation with AI at scale.

Learn more at starburst.ai

