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Enhancing fraud detection and risk management capabilities in banking and payments
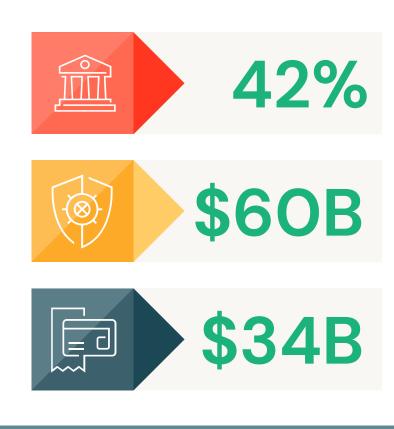
Banks are combating financial crime with the Databricks Data Intelligence Platform, enabling faster, smarter fraud detection and prevention. By leveraging real-time analytics and machine learning, institutions can swiftly identify threats, protect assets, and safeguard customer financial well-being.

42% of institutions said they experienced both first-party and third-party fraud[1]

$60B spent globally on risk management technology by banks[2]

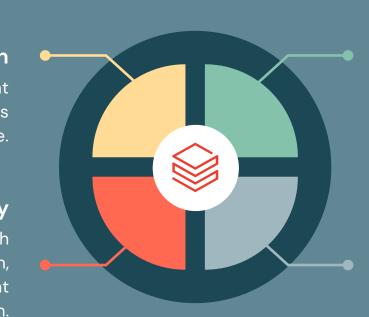**$34B** lost to payment card fraud worldwide[3]

The Data Intelligence Platform enhances your journey to protect your firm.

Fraud Prevention
Detect and block fraudulent card transactions, applications and identity theft in real time.

Risk Management
Optimize pricing, credit scoring and collections using data-driven insights.

Cybersecurity
Strengthen defenses with AI-powered threat detection, automated breach containment and real-time fraud prevention.

Regulatory Compliance
Ensure adherence to AML monitoring, KYC screening, IFRS 9/CECL compliance, SR11 model risk management and ESG reporting.

Data Intelligence in Action

Techcombank, Vietnam's largest private financial institution, unifies its data and AI capabilities for sophisticated fraud detection and risk modeling. This transformation enhances the customer experience, drives business growth and empowers data-driven decision-making across the organization.

Experian relies on the Databricks Data Intelligence Platform to power their Identify Health Score — using dark web and behavioral analytics to predict identity theft risk and deliver personalized protection plans that proactively mitigates fraud, enhances trust and strengthens risk management at scale.

Block leverages Databricks Unity Catalog to reduce operational inefficiencies, cutting data-sharing execution times from days to seconds, while ensuring secure and compliant access to sensitive PII data. This enables streamlined audit reporting, improves compliance with regulations like GDPR and CCPA, and fosters privacy-safe collaboration across business units.

Enhance your fraud prevention and risk management today

DATA INTELLIGENCE FOR BANKING ▶

- Talk with your account executive to learn about enhancing fraud detection and risk management.
- Leverage a Databricks Partner Ecosystem to develop and implement Fraud detection and risk management solutions on Databricks.
- Work with our Databricks Professional Services team to create proofs of concept and build integrations with your current systems to move into production.

[1] BAI Banking Outlook, 2024
[2] Celent, IT Spending on Risk Management in Banks: 2024 Edition, 2024
[3] Nilson report, 2025

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