



RS IntelliEdge-Banks™

Smart Fraud and Risk Solution

Financial technology has revolutionized instant payment systems, presenting significant fraud risks. Traditional methods, are insufficient for the speed and complexity of modern payment systems. A critical gap exists in real-time fraud solutions that integrate rule-based and model-based scoring. Localized rule creation is essential to address specific branch-level fraud patterns.

Faster payments have become increasingly sophisticated, allowing fraudsters to exploit system vulnerabilities before countermeasures can be activated. As per a World Bank report, financial institutions need comprehensive, cross-channel coverage and predictive analytics to provide accurate, real-time scoring of transactions. The operational reliability of these systems is crucial, requiring robust performance for real-time analysis and decision-making across various payment channels. Advanced fraud risk management frameworks are needed to detect and prevent fraud in real-time, while empowering local branches to tailor prevention strategies to their unique needs.

RS IntelliEdge-Banks™ is an advanced fraud prevention platform, designed for real-time, account based, card-based, and alternate payments through a single platform. The innovative architecture leverages streaming data analytics, artificial intelligence, machine learning models, and incrementally reduces dependency on the traditional rules engine for safeguarding payments across channels, methods, and instruments.

The product has been designed to be highly scalable and available, setting the gold standard for enterprise fraud and risk management as the world goes digital. A central infrastructure version of RS IntelliEdge™ has been operating successfully for 5+ years.

100 milliseconds

time taken to assess
transaction risk

200+

cross-channel data elements
available for rule creation
and model feature selection

APP and ATO Fraud Management

Authorized Push Payments and Account Takeover (ATO) has emerged as the new frontier of payment fraud, posing unprecedented challenges for real-time transactions. Traditional fraud detection methods struggle to combat this elusive threat, which relies on persuading victims to authorize payments willingly, leaving minimal traces of coercion or unauthorized access.

RS IntelliEdge-Banks™ revolutionizes fraud management by leveraging cutting-edge technology to detect and prevent fraudulent transactions in real-time. By building comprehensive customer profiles through behavioural and activity analysis, combined with identity verification and device tracking, RS IntelliEdge-Banks™ gains a strategic advantage in identifying and stopping fraudulent activities instantly.

Effective Case Management

RS IntelliEdge-Banks™ offers a user-friendly case management for the risk analysts to process alerted transactions. Features such as case tagging, notes, and collaborative workspaces increases analyst efficiency, which is further enhanced using generative AI based Analyst Co-Pilot support.

Collaborative Intelligence

RS IntelliEdge-Banks™ fosters collaborative intelligence by facilitating knowledge sharing among branches, enabling the collective enhancement of fraud detection capabilities. Through this federated implementation, branches can contribute their own rules, empowering them to share insights and strengthen the collective protection of the payment system.

AML Assist

RS IntelliEdge-Banks™ provides the ability to identify accounts as suspected mule accounts by looking at fund inflow and outflow patterns perpetrated over multiple channels with its AML Assist feature. These accounts typically are flagged as mule accounts from the money laundering perspective.

Adaptive AI/ML Models

RS IntelliEdge-Banks™ employs adaptive AI/ML models trained on labelled data to enhance fraud detection accuracy and adaptability. Its Model Studio simplifies model training and comparison, enabling seamless deployment of the most effective model for optimal performance. RS IntelliEdge-Banks™ also supports the seamless integration of preferred fraud solutions, catering to diverse business needs, without disruption.

Advanced Features

RS IntelliEdge-Banks™ represents a paradigm shift in fraud management for digital payments, offering unparalleled detection capabilities, collaborative intelligence, and regulatory compliance. With its advanced features and adaptive technology, RS IntelliEdge-Banks™ empowers banks to stay ahead of evolving fraud threats and safeguard the integrity of digital payment ecosystems.



Leverages Customer Profile Data which constitutes of customer details available with banks (gender, age bracket, marital status, etc.) and summaries created on transaction data that will be utilized by Rules and ML models for accurate identification of fraud.



Cross-channel rules helps to protect customers from possible fraud that bleed from one channel top another.. This is possible because "Customer ID" is available across channels.



Supports all message formats and is compliant with the regulatory requirements of Data Security Policy.



Scoring based on business rules starts immediately after implementation.



Risk assessment available from the Issuer as well as Acquirer and for Remitter as well as Beneficiary perspectives.



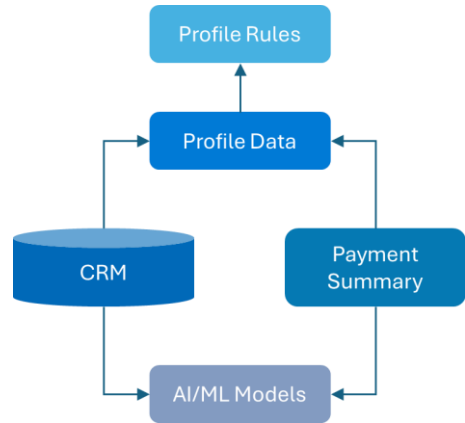
Supports multiple payment rails and channels, such as real-time payments, ATM, ecommerce, biometric, mobile based payments, and others, and can leverage the ecommerce context.



Has near-constant end-to-end execution speeds that are independent of rule count.



Supports active-active implementation.



Federated approach allows individual bank branches to create their own fraud prevention rules tailored to their specific geographic threats, while the main branch retains control over the approval and activation of these rules to ensure consistency and oversight.



Built-in telemetry gives users valuable insights. This telemetry system delivers real-time system performance data to identify chokepoints and bottlenecks.



Handles very high volumes and velocities of transactions without compromising on performance, efficiency, and user experience.

Differentiators

- 1 Real-Time Scoring:** Provides instant transaction scoring for immediate fraud detection, by accessing the short-term memory for each payment instrument in real time.
- 2 Federated Rule Creation:** Empowers bank branches to customize fraud prevention rules based on local context, enhancing detection accuracy and relevance.
- 3 Comprehensive Cross-Channel Coverage:** Offers complete fraud protection across all payment instruments across channels for a customer.
- 4 Enhanced Data Privacy:** By processing data locally within the bank's infrastructure, we ensure superior data privacy and compliance with regional regulations.
- 5 Proactive Alert Management:** Banks can set customized alert thresholds and response protocols, allowing for proactive and precise management of potential fraud threats.
- 6 User-Friendly Interface:** Intuitive interface simplifies monitoring and alert management, ensuring that even non-technical staff can effectively utilize the system.
- 7 Rule Flexibility:** No restriction on number of data elements to be used for building Rules, plus no restriction on the number of Rules. This flexibility helps building of rules for frauds that emerge as RTP gets adopted.
- 8 Low Latency:** Rule Execution is almost independent of the number of rules to execute which provides high adherence to rule execution SLA.
- 9 Enhances Risk Analyst efficiency:** Efficient Alert review improving productivity of Risk Analysts

About RS Software

RS Software builds global, national and enterprise payment platforms, and has presence in four continents. Our product suite combines with knowledge systems built over 30 years, delivering mission-critical payment solutions that combine innovation and entrepreneurship to create the new gold standard for digital payments. With approximately 46% of the global digital payment volumes in 2023 processed on platforms built by RS Software, our vision is to deliver payments at the speed of thought.

www.rssoftware.com

North America | EMEA | APAC

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