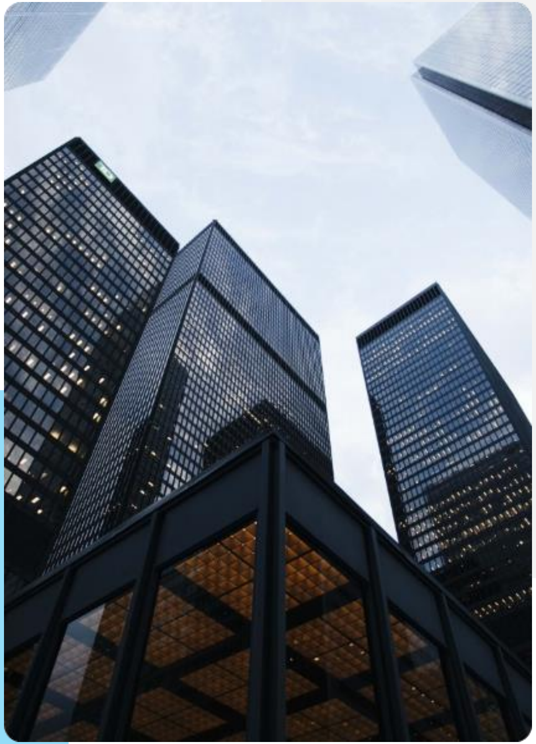
FORIS Banking
Fraud Prevention System

Introduction



Banking processes depend on the use of technology, allowing fraudsters to exploit weaknesses in security, controls or oversight in the banking applications to commit their crimes. Fraud encompasses a wide range of illicit practices and illegal acts involving intentional deception or misrepresentation. Technology also provide means to prevent and detect fraud.

FORIS Fraud Detection System provides banks an effective way to be more proactive in the fight against fraud.

Fraud prevention program helps protecting banks from the risk of fraud and reduce the time it takes to uncover fraudulent activities.

- Monitor all relevant transactions
- Covers all applicable banking applications & systems
- Analyze Alternate Delivery Channels
- Provide auditors better insight to the source level:
  - Comprehensive view of likelihood of fraud
  - Helps focus investigative actions
  - Identify suspicious transactions
  - Expose control weaknesses

FORIS provides a spectrum of analysis that can be deployed to detect fraud, it ranges from point-in-time analysis conducted in ad-hoc context for one-off fraud investigation or exploration, through to repetitive analysis of business processes where fraudulent activity is more likely to occur. Ultimately, where the risk and probability of fraud are higher, banks need to adopt a continuous approach for fraud detection – especially to improve effectiveness of preventative controls.

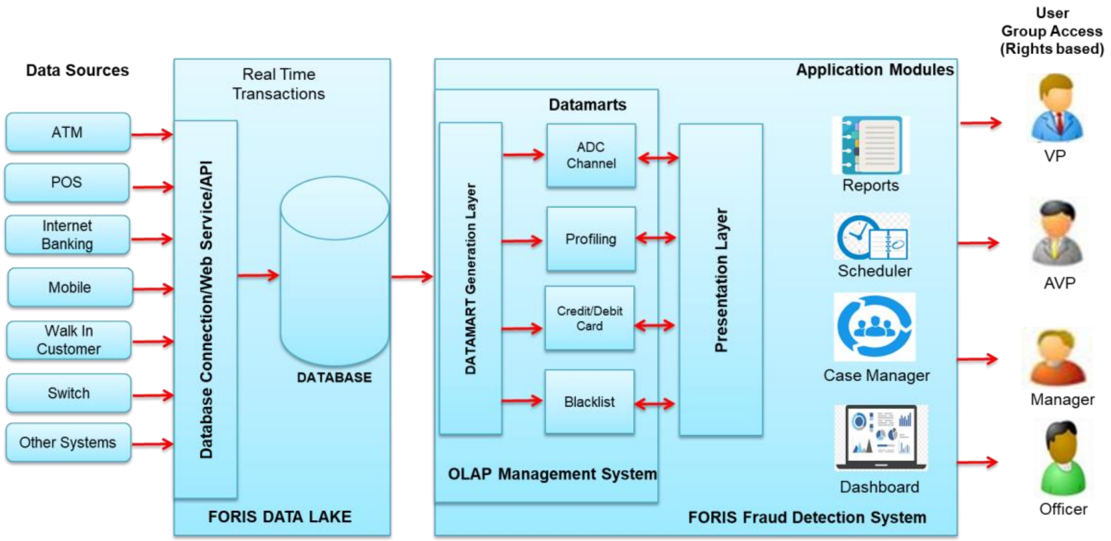
Fraud Detection In Banking

- ✓ There is a wide range of online attacks
- ✓ Which tactic a criminal will use
- ✓ Criminals can get past controls
- ✓ You may not know you have “fraud”
- ✓ Cross-channel fraud starts online
- ✓ Not all online account takeovers end in an unauthorized online transactions

Modern banking applications have increased demand and the audit paradigm is shifting from the traditional cyclical approach to a continuous and risk-based model. From ad hoc analysis, through to repeatable automated procedures, and continuous auditing and monitoring, analytics provide insight into the integrity of financial and business operations through transactional analysis

The key challenge in real time fraud detection is the balancing act between banking security systems and user experience

Fraud Detection Process Overview



FORIS provides accurate audit reports and better insight into the internal controls framework, and improves the ability to access and manage financial risk.

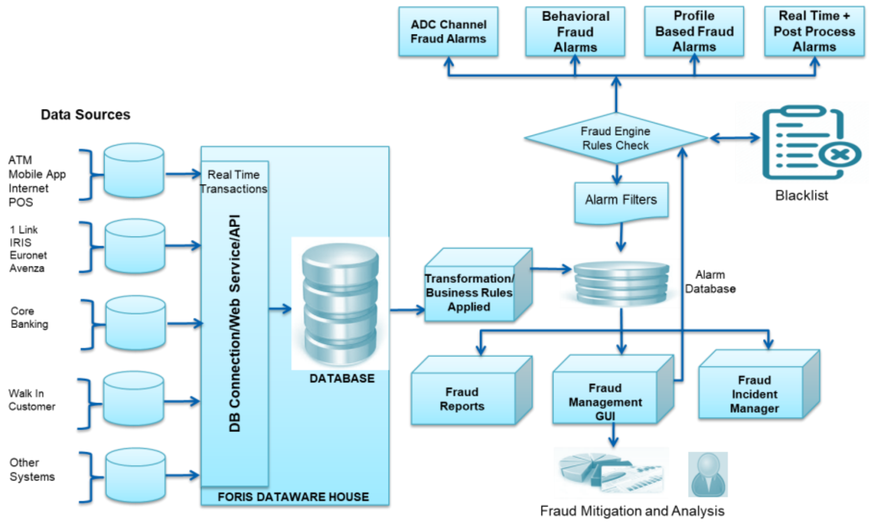
Online transaction data collection.

Compare to known user 'behavior'

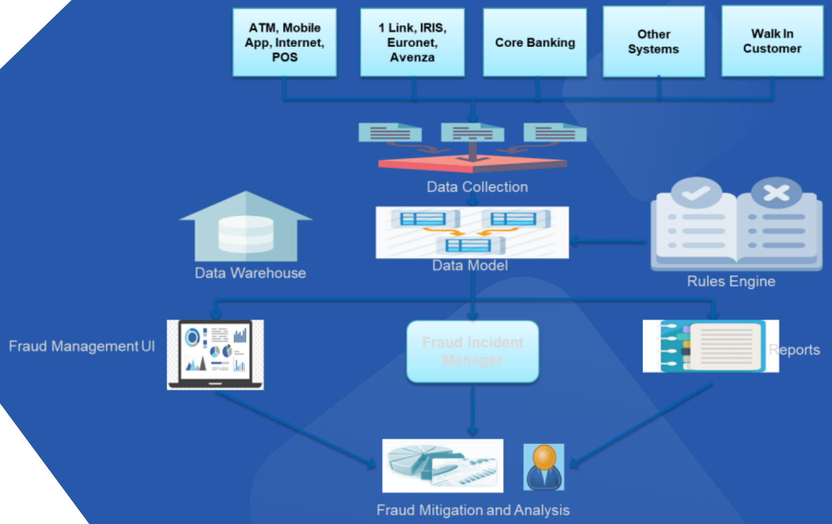
Raise Anomalous Behavior Flag

Take Action & Mitigate Risk

Fraud Detection Model Components

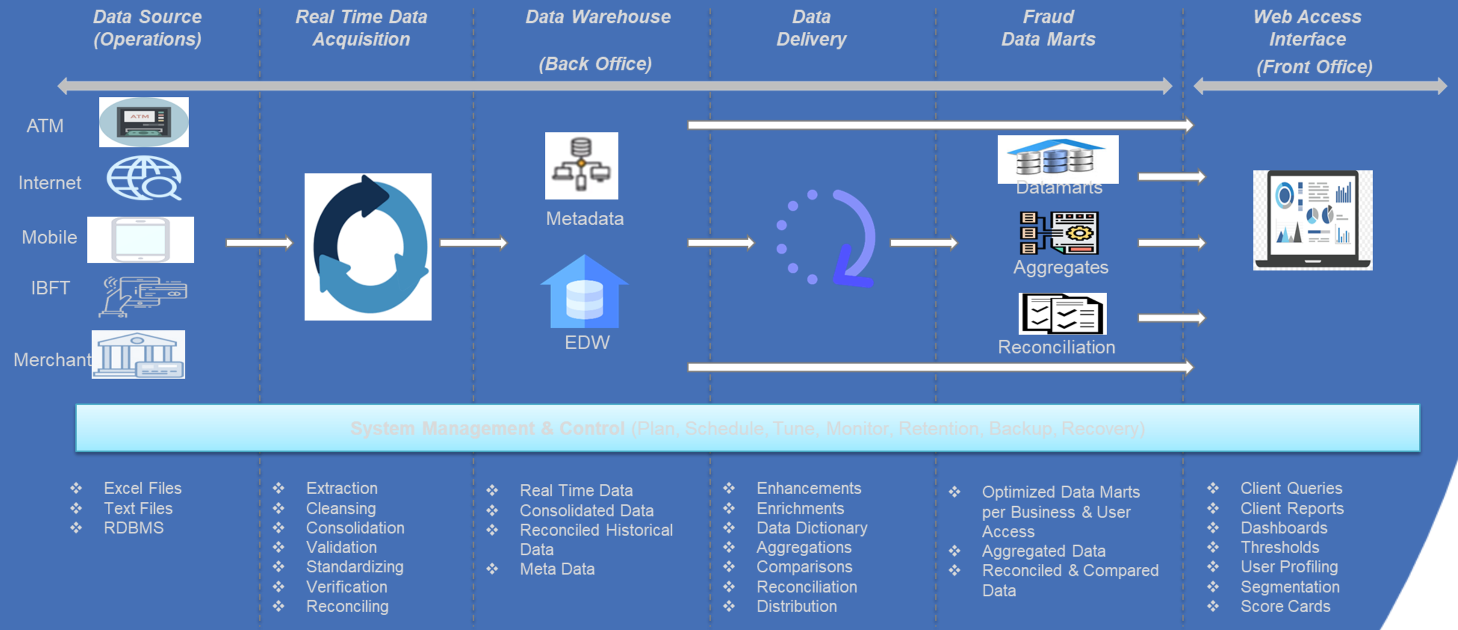


Fraud detection is becoming more and more challenging with very rigorous requirements and timelines. It is vital that banks capitalize on Integrated Data Management technologies and auto detection of anomalies and alerting processes.



Be Creative With FDS Process Automation

FORIS FDS Governed Data Flow Process

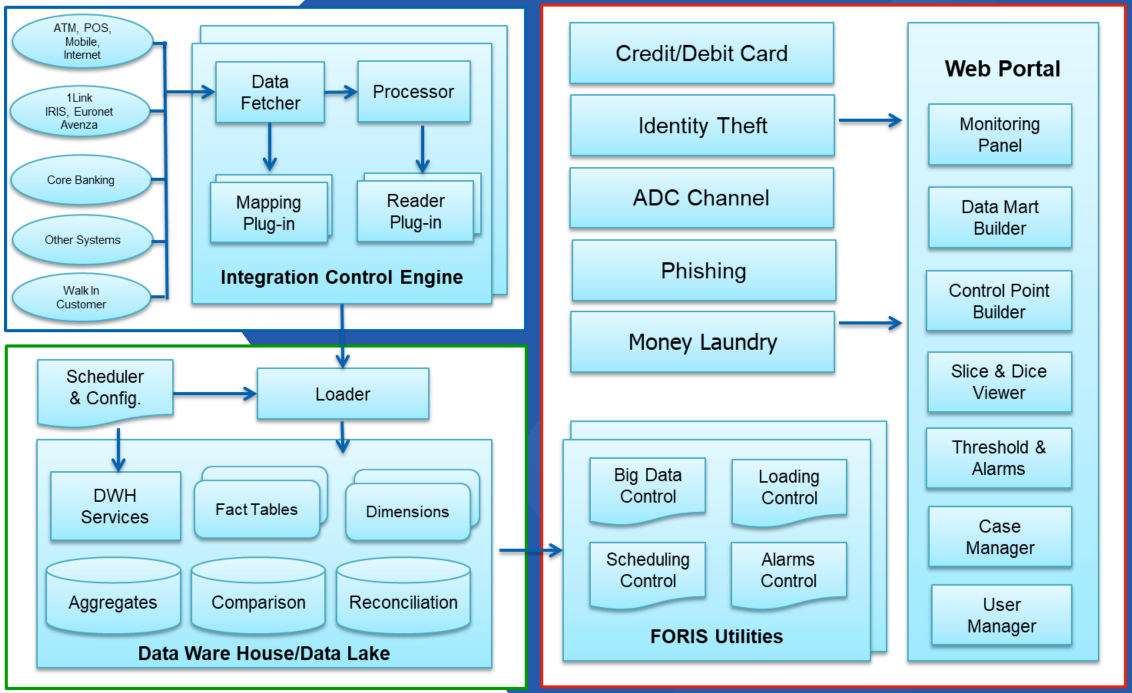


The Banking Industry today is Facing many different and asynchronous ways of Fraud Types

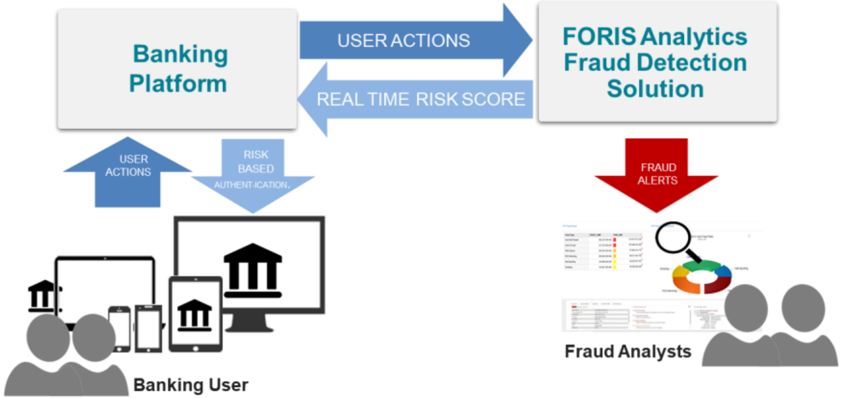
FORIS Unified Platform

- Public Or Private Cloud
- Service Oriented Architecture
- Ingest Multiple Data Types & Formats
- Data Warehouse & Data Lake
- Works with Multiple Databases
    - Oracle
    - MS SQL Server
    - MySQL

Use Data Power and Be Creative



FORIS Fraud Detection

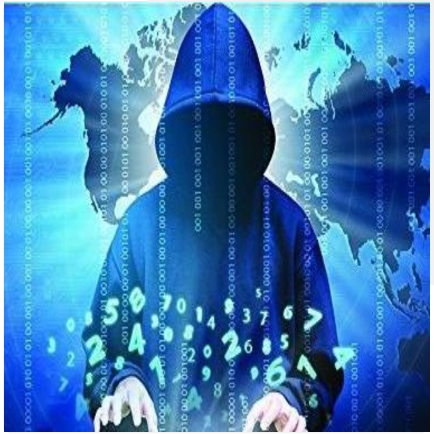


Maximize Fraud Detection Automation

- Real Time Fraud Detection
- Multi Channel Risk Analysis
- Behavioral Machine Learning
- Unified Fraud & BI Platform

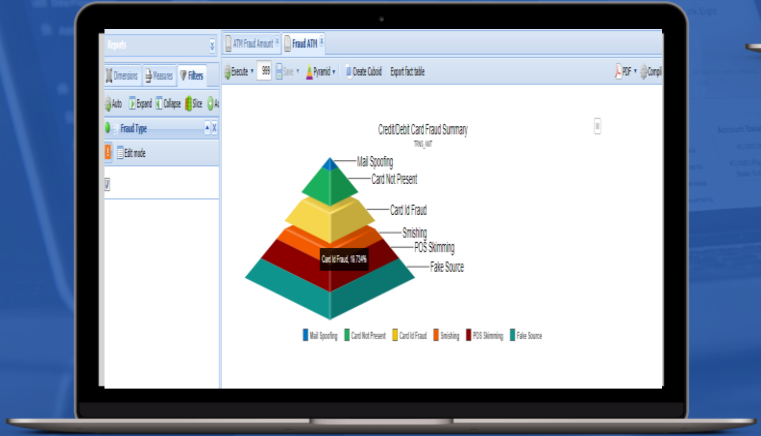
Fraud Detection System

- Capture fraud in real time
- Significantly reduce fraudulent transactions
- Lower false positive rate
- Self Learning AI/ML Algorithms
- Drill Down and 100% Auditability
- Leveraging Data & Processes
- High Volume, Performance & Reliability
- Web Based Dashboards & Reporting
- Data Lineage & Transparency



Monitor both transactions and non transactional activities across days and detect early signs of risk of money leaving the account. Fraud analyst create case, monitor, analyze and track results of investigation.

Credit Limit Threshold & Fraud Type Report

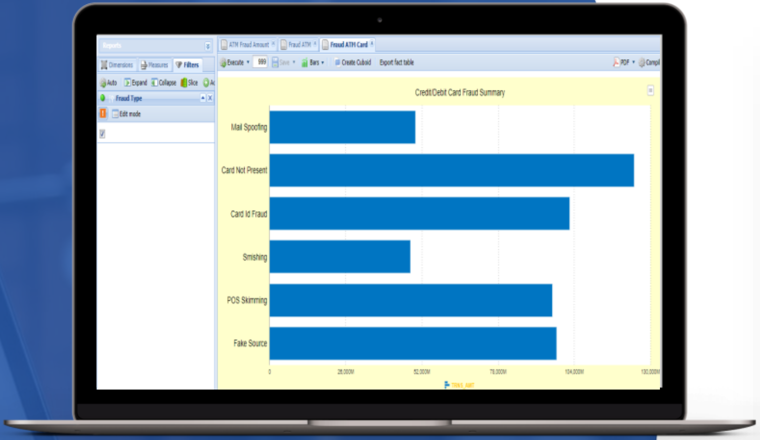


Credit/Debit Card Fraud Report

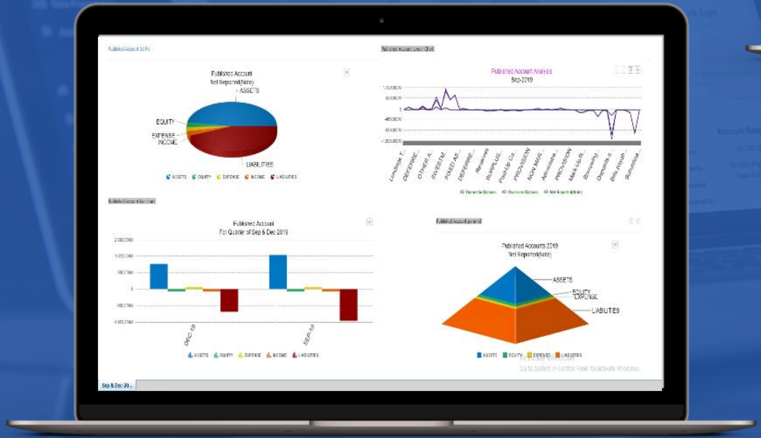
Quick and efficient solution with built-in rules/scenarios, there is no change to our customer experience and we offer security as an advantage to our customers. It feels like criminals do not attack us as much anymore.

Built–In Thresholds & Alerts

FORIS BANKING SOLUTIONS



Debit Card/Credit Card Fraud Summary



Powerful Multi Chart Dashboards

Introducing powerful Advanced Data Analytic features like Drill Down, Slicing of Data, Conversion of Results in multiple display formats, Control of ETL using Front End.

Powerful Analytical Dashboards

Loading Status Report
Data Completeness Report
System Logs
Audit Trail
Maker Checker Control

Data Ingestion
Data Verification
& Data
Completeness
Monitoring
Reports.

Incomplete
Transactions &
Missing Records
are Quarantined
in Separate
Folders For
Verification
Reconciliation
and
Recover Lost
Revenue

ETL
Data
Verification

FORIS Fraud Detection Techniques

- Calculation of Statistical Parameters
- Pattern Identification among data elements
- Stratification of Numbers
- Digital Analysis Using Statistical Models
- Joining heterogeneous data sources
- Duplicate & GAP Testing
- Validating Data Entry Time, Date, Place
- Thresholds & Alerts

FORIS Fraud Detection solution offers fast processing of financial data, scalable to meet business needs of the bank and streamline the entire process to increase overall efficiency of Fraud Monitoring Procedures based on investigative capabilities and provide auditors with tools and techniques to perform data analyses and accomplish effective fraud detection and prevention..

FORIS FDS
Application Features

- Flexible & User Friendly
- Single Point Administration
- Powerful User Management
- Data Security & Audit Trail
- Analytical Dashboards & Graphs
- Reliable for High Performance
- Quick ROI & Lower TCO

FORIS enable fraud examiners to analyze data to gain insight into how well internal controls are operating and identify transactions that indicate fraudulent activity or the heightened risk of fraud.

FORIS BANKING SOLUTIONS

Why FORIS FDS?

FORIS is an extremely flexible web based, cloud enabled solution designed to give you all the power and is tailor-made to meet specific fraud management needs on banking industry. It incorporates aesthetically appealing and easy to use dashboards with multi device capability. All that while promising a lower TCO and quick ROI.

We Offer

- Widespread data analytics knowledge and experience
- Fraud Management & Banking industry experience
- Holistic approach to meet functional and non-functional requirements
- Business focus
- Robust set of delivery assets

Deployment Models Offered

On-Premise

- Capex Model
- Hybrid Model

Local Cloud

- **SaaS + Implementation**
- **SaaS**

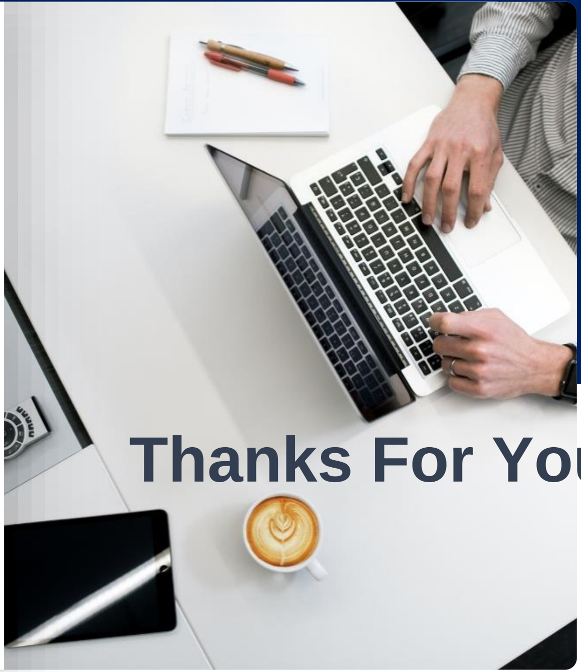
Contact Us

Sitronics

Sitronics Technology Solutions
701 Al-Hafeez Heights, Ghalib Rd,
Gulberg III Lahore – 54660
Pakistan.
Phone: +92 42 3575 7761-62
Web: www.sitronicsits.com

Nvision

Nvision Czech Republic
140 00, Praha 4
Ohradni 136 918
Czech Republic
Tel: + 420 211 029 111
Web: www.nvisioncz.com



Thanks For Your Attention