

 Solution

Enhanced Analytics in AML Risk Manager

Prioritize Money Laundering Alerts for Improved Operational Efficiency and Risk Management

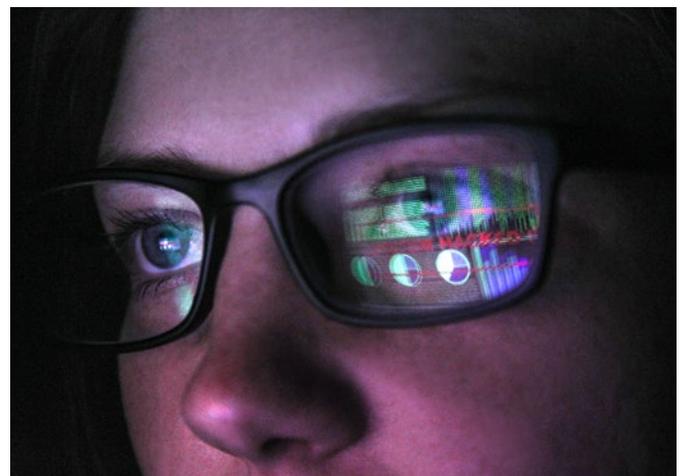
Accurate detection of suspicious activity can help your financial institution effectively manage compliance obligations, protect your reputation and keep operational costs down. One major obstacle is the high volume of false-positive suspicious activity alerts, which are time-consuming to investigate and can make it difficult to identify and process legitimately suspicious alerts.

Enhanced analytics in AML Risk Manager from Fiserv evaluate alerts based on machine-learning models informed by historical outcomes of investigations. Alerts are accurately identified as productive or nonproductive and then prioritized and processed. This approach enables analysts to focus on remediating high-risk alerts and managing risk more effectively.



Financial institutions could realize a 10-20% reduction in false positives, based on analysis of their detection scenarios and previous investigations.”

Enhanced analytics combines behavioral analytics and rules-based alerts with supervised machine learning for the best possible outcomes. In combination with the AML Risk Manager alert investigation portal, analysts can quickly and easily see the critical alert information necessary for holistic analysis and quick, accurate decision making.



Key Capabilities

Identify, Prioritize and Process Alerts

- Configure automatic alert prioritization and processing based on your risk-based approach
- Set defined notes for automatically prioritized and processed alerts
- Receive reports on alert prioritization and processing
- Enable QA process for automatically processed alerts

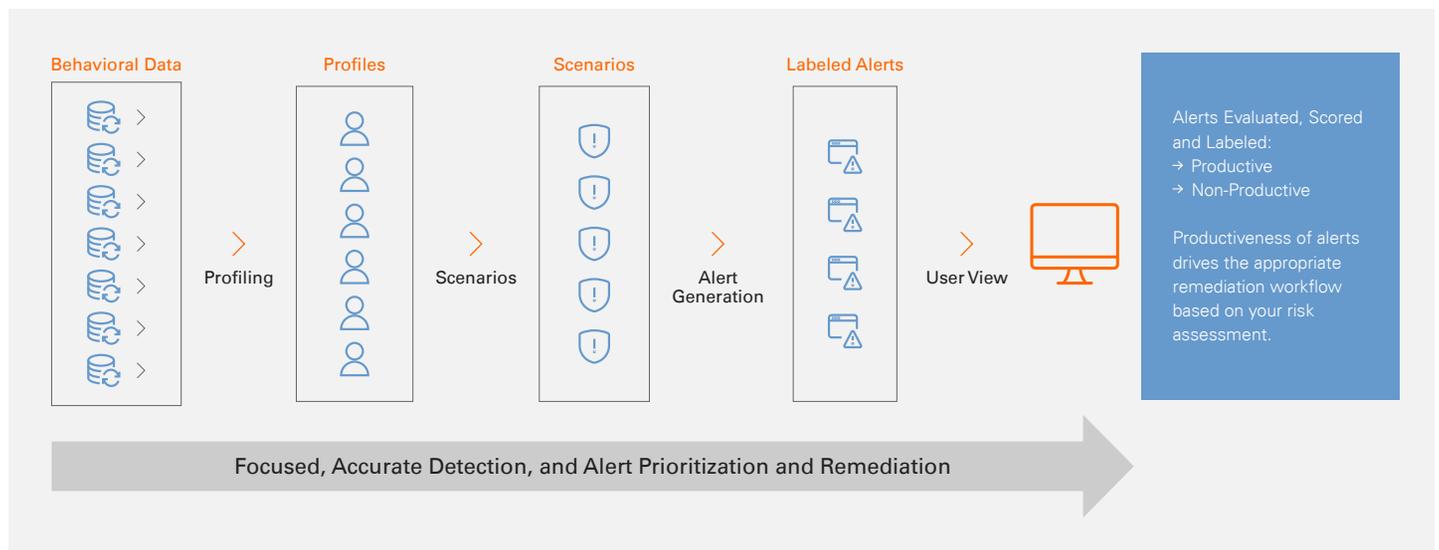
Model Retraining and Tuning

- Model retraining/tuning provided to ensure the model remains effective and continues to benefit from increased data
- Model is informed by historical investigation outcomes performed by expert analysts

UI Updates/Changes

- Model evaluation results and visualizations displayed in the alert investigation portal

AML Risk Manager Detection and Analytics



Alert Score Display – Model Information

Clicking on the Alert Score Box will result in a pop-up that shows indicators contributing to the Alert Score

Model Output Score – 75
Scenario Threshold – 20

Alert 10756 Money Movement - Wire Channel - Upward Deviation **Alert Score - 88**

Customer: CUS/BD1 | Status: Data Created | View more

Customer Info Summary

Name: Brankan Jip ee Yotice (Customer 1 OR)

Customer Risk Score: 500 Critical Risk

Customer ID: CUS296042

Customer Type: Person

Address: Abekentel, 7677 City Amsterdam P2, Zip 7819P2, Area OverpassP2

Date of Birth: 1970 Aug 30

Email Address: JaegerYotice@gmail.com

Tax ID: 444334552

Occupation: Plater

Alert Checklist

Actions

- Account details checked
- Business activities checked

Alert Info Summary

Alert Activity

Item	Item ID	Item Type	Date	Assigned To
SAR	80953	Money Laundering	10/25/2018	(N/A)
SAR	43857	Fraud	12/18/2017	(N/A)
SAR	4	Money Laundering	11/23/2015	(N/A)
Case	4834	Money Laundering	10/25/2018	MissCagan
Alert	10753	New Accounts	12/18/2017	Administrator
Alert	10756	Articulated to Acti...	12/18/2017	Administrator

Notes

Add Note Here

Machine-Learning Alert Analytics Deployment

Based on our feature repository and your alert scenarios and investigation outcomes, Fiserv builds an enhanced analytics model. It's then deployed as part of your AML Risk Manager installation, whether on premise, cloud-based or hosted in a Fiserv data center.

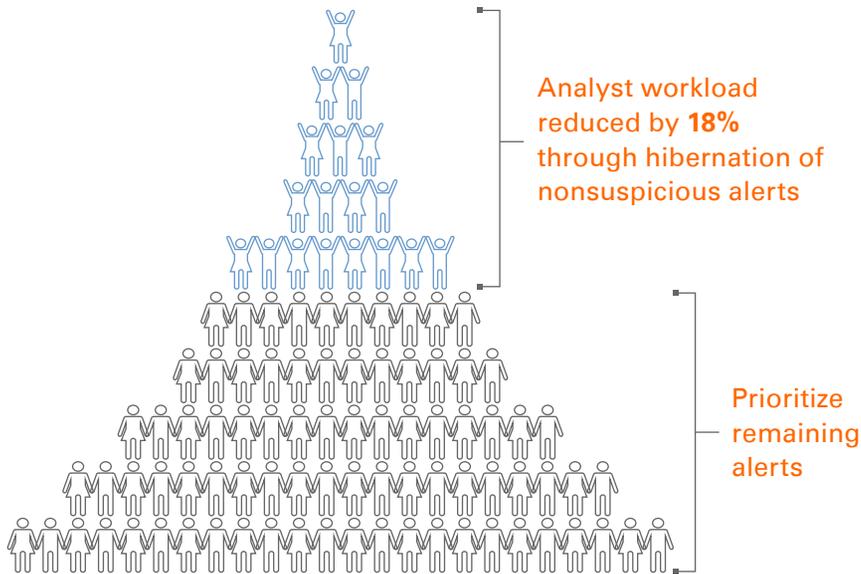
Analytics capabilities in AML Risk Manager enable your institution to manage money laundering risk in line with global guidance from regulators and international organizations such as the Financial Action Task Force on Money Laundering. The capabilities make you more efficient and effective in fighting money laundering.

Use Cases

- Score alerts based on previous alert outcomes
 - Alerts are generated by existing scenarios and the model is used to score and prioritize
- Better detect money laundering at the transaction monitoring stage
 - Model used to focus on alerts that represent the most risk
- Uncover trends in behaviors of customers and other monitored parties
 - Management Reporting
 - Alert Portal Visualizations to assist analysts

Operational Improvements – Client Example

Reduced Analyst Alert Workload



- The average time for an analyst to manually work on an alert within AML Risk Manager can vary greatly depending on the type of alerts being worked and the client's operational procedures
- In this client example, where the model suggests the total alert volume requiring manual effort can be reduced by **18%**, we can **save 30 hours per 1,000** alerts (assuming 10 minutes of effort per alert)
- Allows departments to redirect existing staff and/or to not hire new associates to keep up with expanding business needs



Key Benefits:

- Enable analysts to focus on high-risk alerts
- Reduce the number of false-positive alerts
- Reduce operational costs by simplifying the alert process
- Improve risk management with machine-learning models built to support regulator model-risk governance requirements

Connect With Us

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 [fiserv.com](https://www.fiserv.com)

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