

NetReveal AML Optimization

Data-driven approach empowers in-house resources to optimise detection scenarios to help minimise false positive alerts

The Challenge

Financial institutions are overwhelmed with the increasing volume of alerts generated by mandatory transaction monitoring systems and are unable to maximize their investigative resources. Industry estimates suggest at least **95% of the alerts are false positives**. Identifying and reporting on truly suspicious activity is getting harder and putting a greater burden on investigation teams.

Financial institutions using outdated detection models that remain unchanged from their original creation and implementation may be leaving many suspicious transactions undetected. Constantly evolving threats require continuous scenario improvement.

The current high demand for skilled investigators and data scientists are causing financial institutions to look at greater return on their existing technology investments to include analytics, automation, and operational efficiencies.

Regulatory authorities are increasingly leaning on FIs to not only justify the rationale behind AML model changes, but also to validate the efficacy of existing models and the assumptions on which those models were built as part of a wider model risk governance program.

BAE Systems positioned as a **“Category Leader”** in the Chartis Research AML and Watchlist Monitoring Vendor Landscape for 2019

Chartis Research,
“Financial Crime Risk Management Systems:
AML and Watchlist Monitoring.
Market Update and Vendor Landscape, 2019.”

Our Approach

The NetReveal® AML Optimization solution provides a structured, user-friendly methodology to ensure the sustained effectiveness and competence of your AML transaction monitoring and detection program – helping financial institutions enrich ongoing compliance, increase the number of productive alerts, and minimize false positive alerts.

Our Capabilities

NetReveal AML Optimization is a self-service solution that provides financial institutions with:

- **Profile store manager for AML Optimization big data** – allows compliance analysts to define, build, and deploy profiles directly within the solution to improve and speed up decisions. Easily simulate true positive and false positive rate changes in production scenarios
- **Machine learning algorithms** – can be scheduled to review detection results of rule-based monitoring systems and propose the optimal parameters that make up those rules. This significantly reduces false positives, improves efficiency, and lowers operation costs
- **Model management and audit logging** – optimizes model governance so analysts can demonstrate to auditors and management their rationale and justification behind decisions made for scenario model changes
- **User-friendly interface** – a packaged, easy to use solution, that’s designed specifically for analysts – not data scientists or engineers. Parameters can be tuned, analyzed and tested visually for quick interpretation and remediation

Additional Capabilities

| Feature | Benefit |
|---------------------------------|--|
| Simplified Data Synchronization | Easily import production data into the AML Optimization environment without IT or vendor support. |
| Simulation Comparison | Quickly compare simulation results against existing production environment, another simulation, or both using intuitive dashboards with a breakdown of daily false positives and new alerts as well as customer segment and volumes per scenario. |
| Alert Trend Analysis | Evaluate the effectiveness of existing production models and underlying scenarios against investigation outcomes to rapidly uncover coverage gaps, inefficiencies, and areas in need of tuning. Analysts can select scenarios in a specified timeframe to understand true positives vs. false positives and determine if the thresholds should be increased. |
| AML Optimization for Big Data | Built to handle growing data volumes and crime complexity, provides a significant decrease in batch processing times against transactional data, offers the flexibility to choose an underlying database, and supports data lake storage. |

How it Works

AML Optimization ensures efficient and effective anti-money laundering detection and model lifecycle management.



Analyze

Tune

Simulate

Compare

Promote

NetReveal Editions

NetReveal solutions are available in three feature levels, called Editions, that meet the unique requirements of global financial institutions. Licences are sold with support and maintenance and are available from 3-10 year terms.

Foundation Edition – recommended for financial institutions who are at the beginning of their compliance journey. As compliance maturity grows, organisations can easily take on more advanced features in accordance with their needs by upgrading to the Enhanced or Advanced Editions.

Enhanced Edition – best suited for financial institutions who have a more established compliance programme and are looking to enhance existing technology investments before budgeting for new value-add solutions.

Advanced Edition – tailored for financial institutions who are ready to excel in their compliance measures by using the most advanced analytics technologies such as our Artificial Intelligence capabilities to harness and eliminate as many false positive alerts as possible.

Why BAE Systems?

- **For over 20 years** BAE Systems has been providing NetReveal Compliance and Fraud solutions to more than **50% of the Top 40 Tier 1 global financial institutions**.
- **Our data science practitioners** and subject matter experts boast years of **deep domain and financial services experience**.
- **Our solutions provide a breadth of functionality:** holistic single platform, white box detection, along with **efficient and intuitive user interfaces**.

Why the NetReveal Platform?

NetReveal utilises robotic process automation (RPA) and other innovations that improve operational efficiency and transform the effectiveness of investigators and analysts. Features include:

- **A single centralised 360-degree** customer view, covering all pillars of compliance, consolidating customer associated information (e.g. KYC) with a fully audited trail of historical alert and case investigations. This central investigation source has improved efficiency by 30-40%, fostering intelligence-led alert and case disposition decisions.
- **Advanced** analytics with artificial intelligence and machine learning which operate in conjunction with existing detection logic to detect new criminal approaches and trends in AML and Fraud.
- **Real-time** and batch connectivity to minimise potential risk to your organization.
- **Profiling** based on specific entity (e.g. account, customer, transaction), flexible segmentation and peer group, behavioral, and risk analysis.
- **Componentised** (or de-coupled) technology stack increases deployment flexibility and makes future upgrades easier.
- **Auditability** on decisions and actions that can be easily reviewed by line of business leads through to external auditors.

Detect and prevent money laundering, fraud, and cyber attacks – all from a single, trusted, market leader – BAE Systems.

NetReveal Enterprise Investigation Management (EIM)

NetReveal EIM is a single user interface for both Compliance and Fraud operations:

Investigation Management

- Domain specific standard screens and investigative workflows
- Flexible user access and control
- Graphical entity analysis and transaction filter technology
- Operational reporting with automated email scheduling
- External alert ingestion
- Currency Transaction Reporting
- Suspicious Activity/Transaction Reporting (SAR/STR)
- Data Privacy Agent (GDPR compliant)
- Intelligent Alert Prioritization and automated workflows

Regulatory Reporting

Data Privacy

Automation

NetReveal for AML Compliance

NetReveal combines the best of advanced analytics, technology advancements and human expertise to help reduce the cost, time and effort of addressing anti-money laundering (AML) and compliance obligations.

NetReveal AML Compliance solutions include:

Anti-Money Laundering

- AML Transaction Monitoring (Retail/Correspondent Banking)
- AML Optimisation
- Managed Analytics Service for AML Compliance
- Real-time Risk Assessment Customer\Connected Party
- Real-time On-going Due Diligence Customer\Connected Party
- Transaction Filtering
- Sanctions and PEP Screening

Customer Identity

Watch List Management

NetReveal for Fraud

Fraud is growing at a rapid pace. New regulations, channels and demand for seamless customer experiences present a unique challenge for institutions. NetReveal Fraud solutions protect financial institutions from loss of monetary and information assets:

- Insurance Fraud
- Application Fraud and Account Monitoring
- Payments Fraud
- Tax & Benefits Fraud

Cyber Security Services

We provide an extensive range of professional services for cyber security and analytics:

- Cyber Security Advisory
- Incident Response
- Cyber Technical Services
- [Plus many more](#)

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