

AI-POWERED FRAUD DETECTION AND CLAIMS PROCESSING WITH





In today's hyper-connected financial and healthcare ecosystems, the fraud potential is exponentially higher. Massive sums of money flow through complex networks of providers, payees, intermediaries, and departments—often spanning multiple currencies and jurisdictions. This intricate web of transactions creates fertile ground for fraud, billing errors, and procedural abuses that are difficult to detect with traditional methods.

AI-Driven Anomaly Detection and Insights

Modern AI and machine learning technologies are redefining how organizations identify fraud and optimize claims management. Advanced analytics enable the detection of subtle anomalies across vast datasets—whether it's payment streams, patient and asset records, or benchmarks for standard procedures. These AI-driven models continuously learn from new data, adapting to evolving fraud patterns and uncovering hidden relationships that static rule-based systems often miss.

Accelerated, Al-Augmented Claims Processing

Processing claims faster directly correlates to reducing operational costs and improving customer satisfaction. However, many legacy claims systems struggle to keep up due to:

- · Rigid, outdated platforms ill-equipped for unstructured data formats
- Accelerating growth rates in claims volume and data sources
- The rising complexity of external integrations

ASI's BeyondScor solution applies AI and graph-based learning to overcome these constraints. By migrating workloads off legacy production systems, BeyondScor enables real-time claims adjudication and fraud detection at scale. Unlike traditional platforms that analyze only data subsets, BeyondScor ingests and processes the full claims and payments ecosystem, providing a holistic view of risk and cost.

Why Graph and Al Matter in Fraud Analytics

Traditional analytics engines are not designed to handle the volume, variety, and velocity of data generated by modern claims environments. They also lack the contextual intelligence to uncover interconnected fraud schemes that span multiple entities and transactions.

BeyondScor leverages Graph and Al—an advanced form of machine learning that analyzes relationships between entities, not just isolated data points. This approach:

- Identifies collusion patterns and hidden networks
- Detects sophisticated fraud rings
- Discovers non-obvious correlations between claims, providers, and payees



BeyondScor Al Solution Capabilities

1. BeyondScor provides your organization with a comprehensive AI and graphbased analytics platform that delivers:



Massive Data Ingestion & Processing:

Al-powered pipelines to handle structured and unstructured data from claims, payments, external touchpoints, and IoT devices



Graph Learning Algorithms:

Deep learning models that identify hidden connections and evolving fraud tactics



Real-Time Visualization:

Dynamic dashboards and Al-driven reports for actionable intelligence



Continuous Learning:

Models that improve over time, adapting to new fraud vectors and behavioral shifts

2. Deployment: Accelerated Al Implementation

BeyondScor Fraud Analytics comes with a pre-built AI and Graph Analytics framework, developed by seasoned data scientists and engineers from multiple mature deployments. The solution includes a combination of software, customization services, and expert training.

3. Software Subscription

- One-Year Subscription to ASI's Claims Fraud Analytics Platform
- Includes Visualization Layers and Integrated Graph Database Technology

4. Deployment & Implementation



Pre-Built Templates: Pre-configured workflows, parsers, and graph learning models for rapid deployment



Data Source Integration:

Identification and onboarding of relevant data feeds



Access Control & Security: Role-based access management and authentication integration



Custom Reporting Enablement: Knowledge transfer sessions for report customization



Deployment Roadmap: Detailed architecture documentation for seamless production rollout





Transform Your Claims and Fraud Management with Al

BeyondScor is more than just analytics—it's an AI-native platform that transforms claims processing and fraud detection. By deploying AI-powered graph analytics, your organization can achieve faster resolutions, lower costs, and a dramatically reduced risk of fraud.

Your Data. Your Decisions. Your Advantage.

Let BeyondScor help you move from data to decisive action.

To learn more or schedule a demo,

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