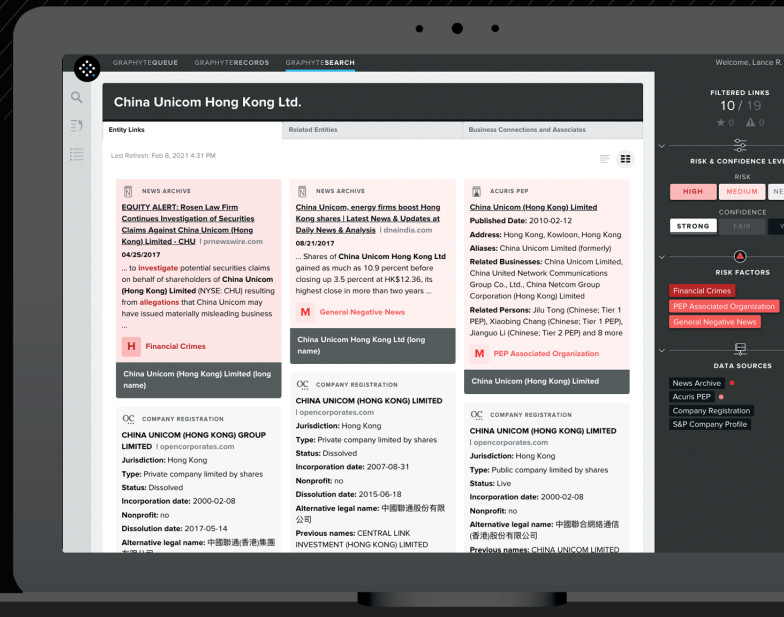




# Financial Crimes Automation Platform Investigations | Customer Due Diligence

Complete external data coverage, accurate AI-powered risk summaries, and feature-rich investigation tools deliver **AML automation efficiencies of over 40%**

- Automation Throughout CDD and Investigations Workflows
- Comprehensive Coverage of Adverse Media, Registrations, and Watchlists
- Modern, Feature-Rich Investigation Applications
- AI-Powered Risk Profiles On-Demand Using Live Data
- Native Foreign Language Support for Improved Accuracy
- 10-100x Fewer False Positives
- Seamless Case Manager Integration
- Subscription-Based SaaS, with Data Included
- Secure, Encrypted, Anonymized Search



Financial institutions use Graphyte to maximize the efficiency and effectiveness of their AML compliance programs by driving automation from end-to-end throughout their customer due diligence (CDD/EDD) and investigations workflows. Graphyte is differentiated by its accuracy and speed in assessing risk on an individual or organization, achieved through comprehensive external data coverage, best-in-class name science, AI-driven entity resolution, and dynamic risk typologies. Its speed and real-time search capabilities are made possible by patented in-memory data management techniques optimized for efficient storage, search, and retrieval across disparate unstructured data sources. Graphyte puts all of this technology at the fingertips of investigation teams in the form of easy-to-integrate APIs and intuitive, feature-rich investigation applications.

## GraphyteSearch

A feature-rich web-based investigation application, with intuitive workflow and detailed results and reporting about a query subject and its associated parties.

## GraphyteAPI

A secure REST API that provides risk summaries on-demand in response to a single query, with deep links to initiate a GraphyteSearch session.

## GraphyteBatch

An API that provides a batch of risk summaries in response to a query, which can be prioritized by specific risk typologies and confidence in evidence.

# Graphyte for **Investigations**

## Leverage AI to Extract Patterns of Risk in Public Domain Data

Graphyte APIs and web applications provide a single point of entry for all external data relevant to a financial crime investigation, enabling investigators to save 40% of their time, and provide consistent reporting to regulators. State-of-the-art entity resolution methods highlight extremely accurate query results. Specific risk factors are identified using multiple machine learning models, each aligned with a known fraud, money laundering, or other risk typology. The entire process completes in seconds, making Graphyte a game-changer in terms of investigative efficiency and consistency.

Unlike other negative news scans and watchlist screening solutions, Graphyte performs full-text search against hundreds-of-millions of records, including native foreign language sources. Raw search results are processed to assess both accuracy and relevance, with contextual information that informs what warrants deeper investigation. Data sources include all relevant sanctions and watchlists as well as comprehensive global online news, company data, legal entity registrations, and non-standard entity lists.

### Data

**Comprehensive External Coverage with Turnkey Access**

Access hundreds of millions of articles and profiles from adverse media and watchlists



### Science

**AI-driven Entity Resolution and Risk Typologies**

Leverage natural language processing, contextualization, and patented database technologies



### Accuracy

**Best-in-Class Risk Assessment Performance**

10-100x accuracy boost enables discovery of entities twice as likely to be named in a SAR/STR



### Automation

**Impact on Workflows from End-to-End**

Gain efficiencies throughout the investigation workflow; search, curation, review, and reporting



### ROI

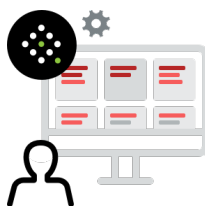
**40% Efficiency Gains and Cost Savings**

Eliminate noise and organize information so investigation teams can focus on the highest-risk alerts

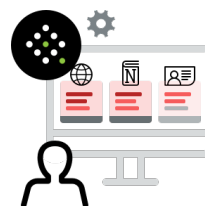
### Adverse Media Screening



### Alert Triage



### Case Investigation



### SAR/STR Filing



## Key Benefits

### Focus on What Matters

Results are automatically filtered and sorted for accuracy and relevance; no more paging through false positive matches and irrelevant information.

### Expand Your Search in One Click

Automatically scan across a broad range of public and online data including online news sources, company registration data, and leaks databases.

### Know Your Customers' Customers

Seed a query with as little information as a name or email address to discover risk factors on transaction counterparties and other non-customers.

### Assess Risk in Relationships

Reveal the entities related to a known individual or business that are surfaced from across the external data and rank-ordered for risk and relevancy.

### Verify Beneficial Ownership

Proactively conduct your own verification of Ultimate Beneficial Ownership (UBO) when risk exposure is high, anchoring on verified public data.

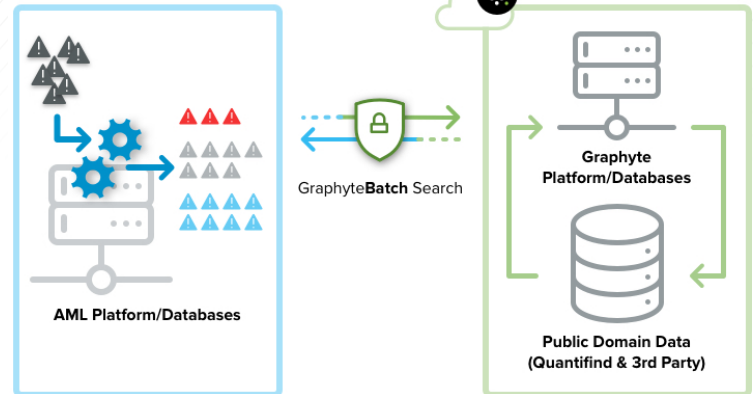
### Automate Your Workflows

Risk assessments are generated automatically, allowing API-driven implementations that sort, filter, and prioritize applications and alerts backlogs.

## Alerts Triage

Graphyte APIs enable the efficiencies of automated risk-based alerts triage, with accurate risk summaries based on a comprehensive public data review. Graphyte automatically screens the subjects of all alerts through PEP lists, sanction lists, and adverse media, and leverages machine learning scoring algorithms to extract only the most accurate and relevant sources. Every alert can be confidently categorized based on its contents as well as the external exposure of the entities involved. Alerts with high-risk exposure can be fast-tracked and low-risk alerts hibernated. Investigators spend more time on the highest-risk cases, achieve consistency in researching, analyzing, and classifying suspicious activities, and prevent false negatives. Financial institutions stay in compliance by aligning with a risk-based approach, while SAR/STRs are made more actionable for law enforcement.

Results of GraphyteBatch Search  
Inform Automated Alert Triage



## Backlogs, Lookbacks, and Below-the-Line Testing

Risk-based automation of alerts triage incorporated into the AML workflow makes operations more predictable and can prevent unforeseen future costs. Graphyte has been shown to help eliminate 90% of an alert backlog within days with a one-time batch screening, while providing the automation necessary to prevent new backlogs from accumulating. Graphyte also provides for executive-level reporting of the process, with links to source documents, risk factors and scoring.

This automated approach to remediating backlogs can also be leveraged for lookback and below-the-line testing applications. A batch screening of external risk factors for the entire lookback period is an efficient way to help prioritize the typically limited number of cases that actually do require manual investigation.

## Key Features

### Best-in-Class Accuracy

Precise entity resolution and risk typologies allow confident alert hibernation by eliminating risk while discovering other high-risk entities.

### Modern, Intuitive User Interface

Review risk assignment and linked evidence from GraphyteSearch, an investigation application with the user experience of a consumer product.

### Flexible reporting

Automatically generate and download risk profile reports based on results; configure the content and add notes to audit-ready archival reports.

### Out-of-the-Box Integration with Data Sources

Achieve comprehensive coverage of public data with risk-relevant external sources including global news, sanctions and PEP lists, lists of known criminals, company data, and leaks databases.

### Foreign Language Support

Search native non-English data sources—not translations—including Chinese using traditional and simplified Chinese characters, or Latin-character pinyin. All data sources will return relevant Chinese links and articles.

### Variety of Data Access Models

Risk assessments may be initiated directly through a web-based investigation application, over synchronous or batch APIs, or through direct integrations with your case management platform.

# Graphyte for **Customer Due Diligence**

## **Fast, Accurate Risk Assessments Provided in Batches Via SaaS Enable CDD at Scale**

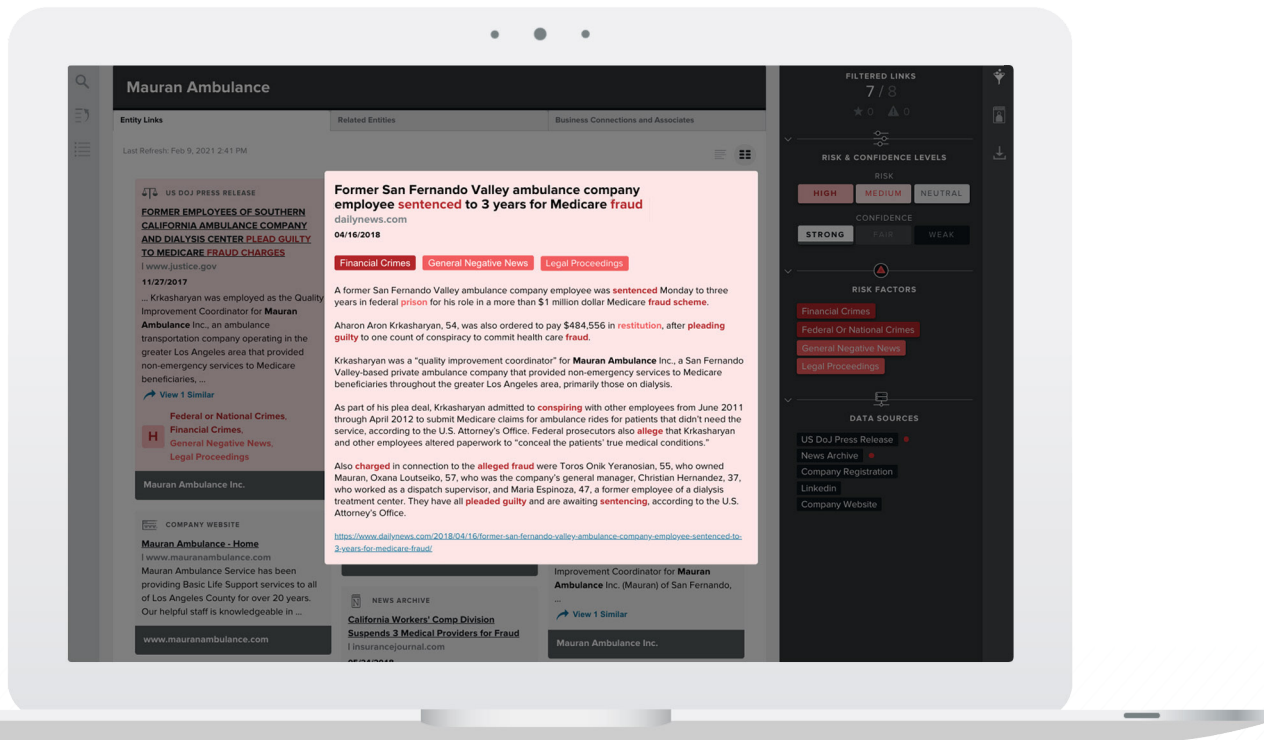
Graphyte uses a unique combination of external data sources, predictive risk typology models, and patented data management technologies to inform risk profiling and segmentation. The speed and accuracy achieved enables automation of customer screening and ongoing continuous monitoring at scale.

Graphyte summarizes results via GraphyteAPI or through the GraphyteSearch investigation application. Actionable information on individuals, organizations, and their relationships expands the coverage of customer due diligence (CDD) reviews to better manage reputational risk and fraud. Machine learning models and risk typologies optimize accuracy and relevancy ensuring that ongoing CDD alerts are on target.

## **Automated Adverse Media Screening for Continuous Customer Monitoring**

Financial institutions increasingly use adverse media information in the public domain to manage regulatory and reputational risk as part of their ongoing customer due diligence process (CDD). These reviews—performed periodically in ad-hoc or scheduled batches—can be tedious and time-consuming, which means that adverse information may only come to light several months after it occurs. In contrast, a continuous surveillance approach providing alerts on a daily basis has the potential to be dramatically more efficient.

But not all solutions are the same, and some FIs have struggled with their attempts at continuous monitoring. Some “software” solutions from legacy providers are actually managed services staffed by massive global investigation teams tasked with processing an overwhelming volume of false positives, often conducted outside the jurisdiction of the firm.

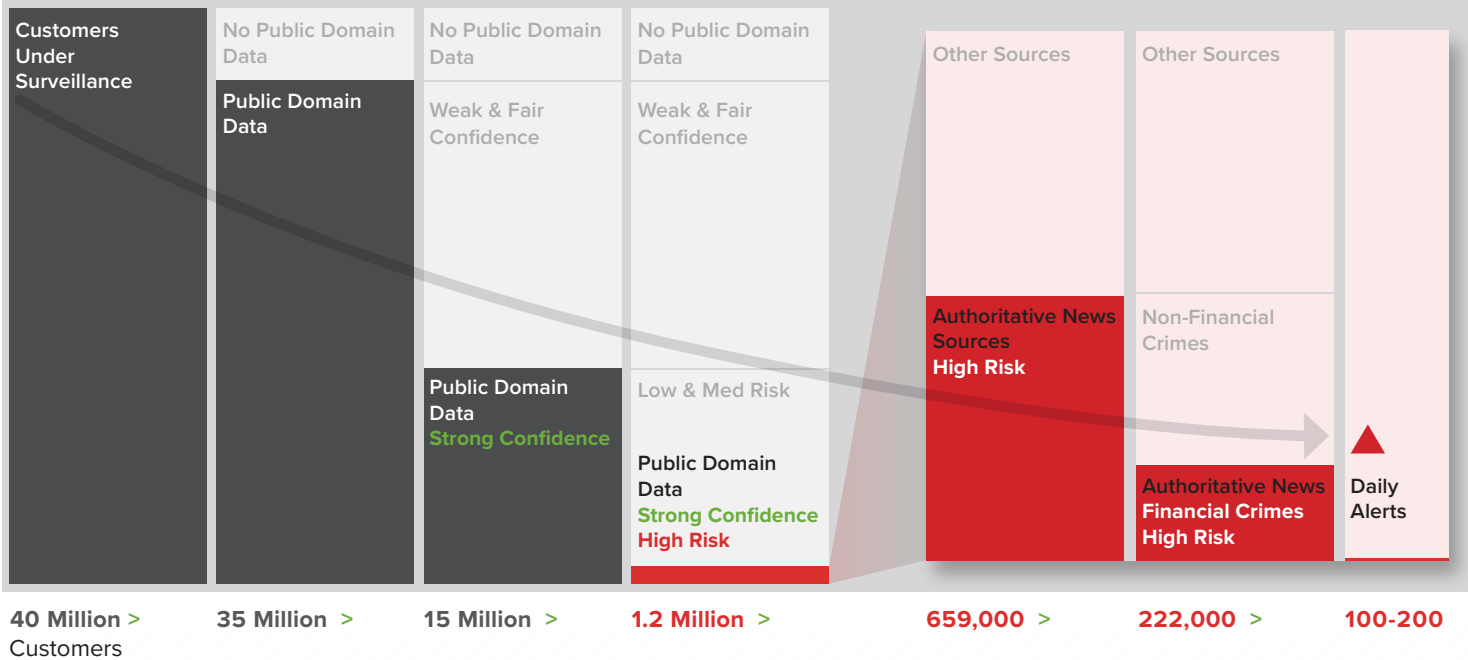


## Graphyte has been shown to enable daily screening of tens of millions of customers with just a few investigators.

Quantifind's Graphyte platform offers a better solution, with automated adverse media screening.

- AI-driven curation of massive public data sources
- Pushed alerts on new activity in adverse media and other sources
- Extraction of only the most accurate and relevant information
- Precise tuning of adverse media categories and criminal status
- Granular risk typologies such as Extortion, Child Exploitation, and Elder Abuse
- Avoidance of sharing sensitive customer data beyond the firm's jurisdiction
- Integration with leading CDD case management systems

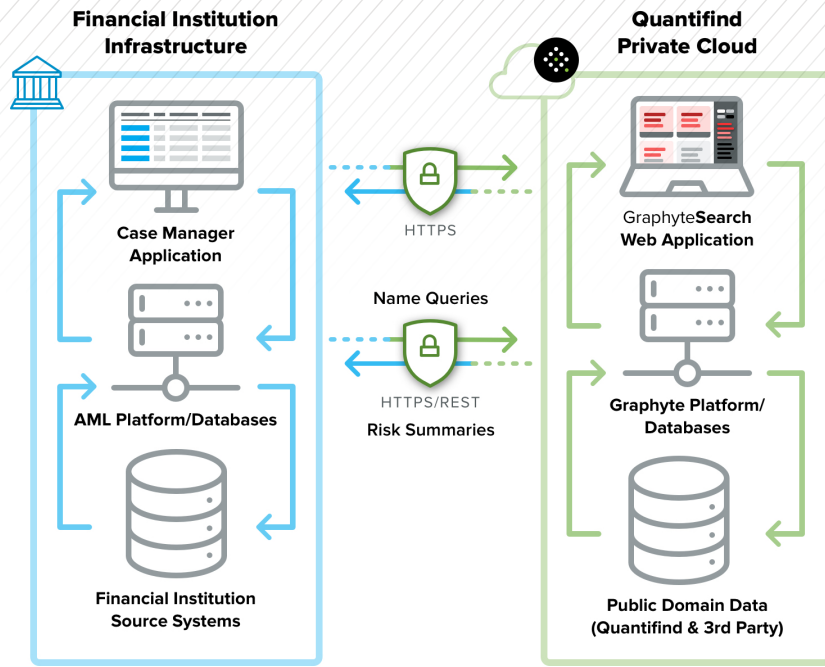
### Case Study: Customer Surveillance Over Adverse Media at a Tier 1 Bank



### Example Case: Adverse Media Screening at a Tier 1 Bank

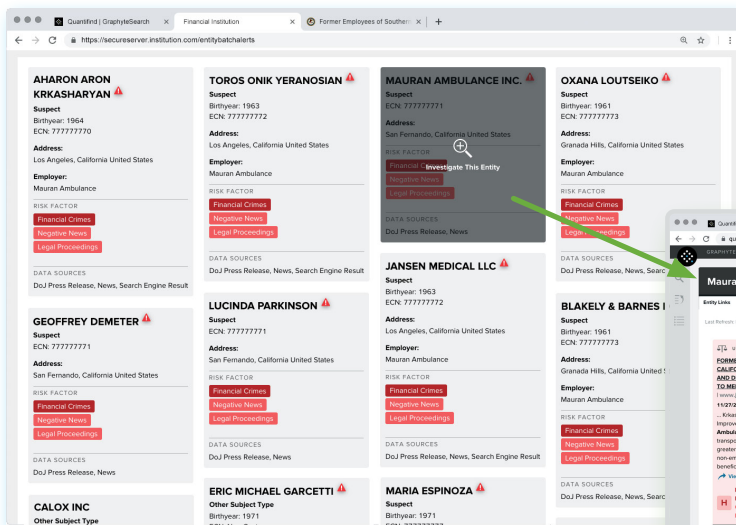
AI-powered adverse media screening of tens of millions of customers yields just 100-200 daily alerts

# Architecture and Integrations

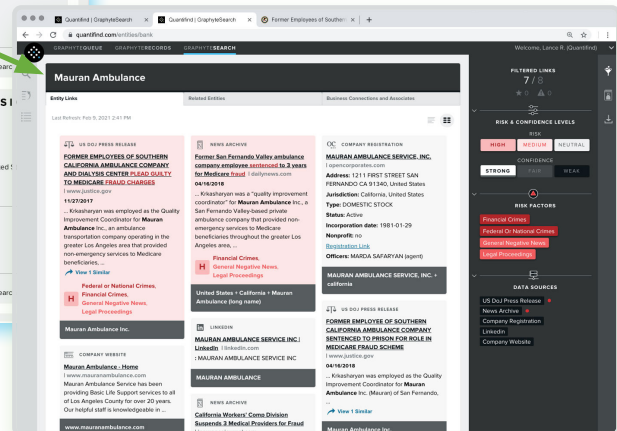


Graphyte provides APIs with pre-built case manager integrations so investigators can stay anchored in one platform with access to all of the data needed to conduct a true 360° risk assessment.

- On-demand link-out to GraphyteSearch with automatic population of search parameters and search initiation
- On-demand risk summaries directly in the case manager (GraphyteAPI)
- A digital dossier of risk summaries containing all alert and case subjects prepared in advance by an overnight batch process (GraphyteBatch)



Results of GraphyteBatch search available in case manager



Optional click-through to GraphyteSearch



Quantifind was founded in 2009 upon pioneering work building machine learning technology to discover meaningful patterns across large, disparate, unstructured datasets.

Quantifind's Graphyte™ platform embodies over a decade of R&D in name science, machine learning, natural language processing, risk modeling, and entity resolution, as well as large-scale deployments by government agencies and Fortune 50 companies. Its success is rooted in its fusion of science with design; innovation with intuitive, feature-rich web applications and APIs.

Quantifind is headquartered in Menlo Park, California, with teams in Boston, New York, and Washington, D.C. Learn more about Quantifind and request a demo at [www.quantifind.com](http://www.quantifind.com).