


Automates Information Discovery for Intelligence Analysis



The Agilex Targeting Solution provides analysts with real-time actionable intelligence as it automatically discovers new entities of interest within very large repositories of structured and unstructured data.

Intelligence analysts are being challenged to scale their efforts to identify new threats within the growing amount of electronic intelligence captured every day. The Agilex Targeting Solution is a proven solution for the real-time processing of multi-terabyte-size data collections. It automatically identifies people, places and organizations within the data; determines and ranks their relationships with entities of interest; and discovers new actors and relationships that were previously unknown. It integrates directly with many commercial and custom intelligence analysis and visualization tools.

Features

The **ASPEN Discovery Engine** leverages advanced analytical techniques, such as Latent Semantic Indexing, to transform terabytes of structured and unstructured data into actionable intelligence:

- **Conceptual Search** – Indexes, identifies and retrieves documents on the basis of key concepts instead of keywords for faster, more intuitive and more accurate searches.
- **Example-based Categorization** – On a real-time basis, quickly classifies like or related documents within very large collections, with the ability to categorize millions of documents daily.
- **Thematic Clustering** – Determines key themes and trends by sorting documents into logical groups based on their principal concepts.
- **Automated Summation** – Streamlines content analysis and avoids the bias of paraphrasing by creating ad-hoc summaries using the document's actual words.

- **Multi-lingual Analysis** – Analysts can process documents in their native language without translation with seventeen languages – including many Asian and Middle Eastern dialects – currently supported.
- **Highly Scalable** – Solutions for 100M documents and more have already been implemented.
- **Real-time** – Continually ingests and automatically processes new intelligence as it is collected.

An industry-leading **Names Analysis Suite** that automates key steps in the intelligence analysis process:

- **Entity Extraction** – Identifies and indexes persons, places and organizations within unstructured data.
- **Names Expansion** – Identifies possible variants of the same name – Mohammad, Muhammad or Mohamed – for a specific entity. Uses advanced analytics to go beyond simple string comparisons for more conclusive matching.

- **Names Disambiguation** – Analyzes secondary factors to differentiate individuals sharing the same name.

Integrated **Relationship Analyzer** automatically maps and scores strength of relationship across all entities:

- Uses sophisticated algorithms to detect connections with entities of interest and provides the ability to validate these associations.
- Noteworthy correlations are detected within new, incoming intelligence.

Agilex Helpers streamline integration with custom and commercial intelligence analysis and data visualization toolsets:

- Agilex also offers custom user interfaces for standalone implementations.
- Working collaboratively with key industry partners, such as Palantir, to develop additional capabilities.

Speed the Delivery of Critical Intelligence

Implemented and configured by industry leaders in intelligence analysis:

- **Sector-Vetted** – Agilex works extensively throughout the Intelligence Community, within the Department of Homeland Security, and in related missions.
- **Technology Leadership** – Agilex experts are responsible for some of the sector's largest implementations and have multiple patents to their names.
- **Mission-Ready** – Our veteran analysts and technical resources offer real-world experience in intelligence analysis and hold active clearances.
- **Comprehensive Support** – Agilex addresses all aspects of the information management lifecycle, which means that we can meet even the most demanding requirements.

Benefits

Search for Key Concepts, Not

Keywords – Through the use of Latent Semantic Indexing, users can search conceptually and intuitively for both broad and narrow themes. This makes it possible to distinguish between unwanted e-mails and canned meat when searching for 'spam' as it finds relevant synonyms, like 'Internet scam' instead.

Scale Entity Identification & Resolution

– Automatically extracts and tags entities – individuals, organizations and locations – within incoming intelligence. The use of specialized analytical tools produces significantly higher accuracy to more effectively identify new entities – it distinguishes Paris Hilton the person from the hotel in France.

Map Relationships Automatically

– Generate, maintain and study relationship networks that link related entities together. User-driven discovery means that analysts can drill down and explore relationships dynamically as they pursue leads and test new hypotheses. Relationship networks can be readily imported into a number of data visualization platforms.

Find New Name Variants Dynamically

– As new entities are identified, possible alternative identities are defined and assessed as well.

Populate Dossiers Automatically

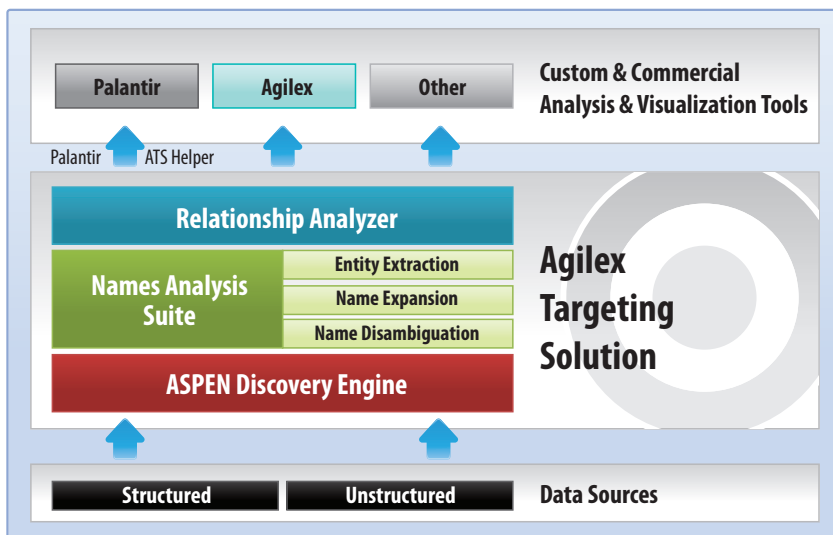
– As entities are identified within new intelligence, this information can be routed automatically to all of the applicable dossiers. This process is executed seamlessly and in accordance with information security policies.

Discover Hidden Relationships

– Analysts are highly skilled at establishing relationships using known criteria. The challenge they face is seeing connections when the criteria is not obvious. Through the use of highly advanced analytics to process very large repositories of unstructured data, analysts can now evaluate additional degrees of separation more effectively. This means that they can find associations that would otherwise be lost.

Highly Extensible

– The core technology can be used to identify relationships across multiple data types. For example, a healthcare analysis solution could investigate the correlation of various genes with specific diseases.



About Agilex

Agilex is an employee-owned provider of mission and technology solutions to the national security, healthcare and public sectors. Realize the Value of Information® is our corporate mantra as we help clients unlock the value of information while reducing the cost to manage it. Our notable professionals include former federal CIOs, multiple patent holders, and architects for some of the U.S. government's most critical IT systems. Headquartered in Chantilly, Virginia, the company has delivered significant results for an impressive list of clients throughout federal, state and local government, and within global 2000 corporations.

WWW.AGILEX.COM