INFORMATION-DRIVEN DEFENSE AND SECURITY

Providing Relevant Information in Context to Intelligence and Law Enforcement Agencies

sinequa™

Introduction

Modern global intelligence and law enforcement agencies need more than data discovery to defend against today's far reaching and ever more complicated threats. To be effective they have to be intelligent and efficient, which requires quickly detecting and responding correctly to the information that matters the most.

That's why it's important to equip key stakeholders with the means to access the signals from noisy data sources and content for critical insights about potential and imminent threats. Today's approach to defense and security must be precise and accurate to identify real threats and minimize false positives

However, sometimes the complex infrastructure created to defend against outside threats creates new barriers in the process. Emergent dynamics across multiple agencies with disparate data sources, complex procedures and diverse access control systems and permissions can complicate and weaken defense models.

Defense and security organizations require real-time information at their fingertips for quick analysis and prudent decisions. This means dealing with:

- Multiple data sources and a variety of formats including OSINT and social media outlets like Twitter, Facebook and Instagram.

- Content from hundreds of data types and the nuances of languages, dialects and cultures around the world.

- Varying access controls as different agencies share information across multiple databases and libraries.

Connect The Dots and Accelerate Threat Detection with Sinequa

Sinequa's Cognitive Search and Analytics platform enhances defense and security capabilities by connecting content along topical lines from dispersed sources and reconciling access controls for a clearer picture of threat assessments before it's too late.

Sinequa's more than 200 ready-to-use connectors enable rapid deployment across all common enterprise information assets including structured and unstructured data for the most comprehensive consideration across local, state and federal government agencies.

To make sense of a diverse world of data types, languages and cultures, Sinequa combines more than 350 data converters, deep natural language processing (NLP), rich semantic analysis, and advanced entity extraction, complemented with machine learning. By integrating these components in a cohesive platform, Sinequa provides an unparalleled ability to capture meaning to structure and organize content for subsequent use - for search, analytics and machine learning.

Sinequa's NLP covers more than 20 languages spoken by 95 percent of the world's population. Sinequa's analytics engine captures the core meaning of the words in the unstructured text, removing the noise and producing a clean and enriched corpus of information for more relevant search results, richer analytics, and more accurate and robust machine learning. Whether the information resides in a word document, PDF or SQL table, Sinequa can extract and analyze the content for insights to uncover potential threats.

The Sinequa platform enhances data security by limiting auto-suggestion and typeahead functionality to authorized users. This feature prevents unauthorized users from partially typing in a word to fulfill a data search. Users can only see suggestions from content to which they have access rights.

This is another way Sinequa's architecture applies role-based and content-based access control throughout the entire platform. Security is inherited from existing access control systems, or assigned to content and users by an administrator if permissions are not available from source systems.

Other key capabilities and features of the Sinequa platform include:

- **Extreme scalability, high performance and deep analytics** to cope with large volumes of structured and unstructured data while maintaining deep analytical capacities.

- **Support for multiple search indexes** that offer a different perspective or emphasis. Search support is included for a full-text index, structured index and semantic index.

- **Strong security controls** designed to support the complexities and multiple security layers of today's enterprises.

- **Contextual enrichment** to learn any vernacular within the context of an industry and terminology specific to the organization.

- **Relevance Feedback Model** automates relevance tuning by adjusting term weights for the original content based on user behavior, which then applies to the given query and all expanded versions of that query.

- **Intuitive presentation designs** provide an aesthetically pleasing and understandable user experience that adapts to the user's intuition. Sinequa knows good design.

One Solution to Defend Multiple Fronts

Counter Intelligence/Terrorism

Enormous pressure to identify terrorist threats across multiple data sources is increasing for the modern intelligence analyst. The Sinequa Cognitive Search and Analytics platform has been deployed by leading defense and intelligence agencies to profile high-level threats to enable the prediction of future threats.

Money Laundering / Terrorist Financing

Money laundering remains a key component of most organized crime today and a common financial source for terrorist networks. With Sinequa, agents can more quickly and easily pinpoint suspect money transfers, accounts and networks of individuals involved in sophisticated money laundering schemes through a highly dynamic approach to relationship mapping.

Law Enforcement

Law enforcement professionals need better crime analysis tools to easily reveal networks of criminal activity. The sophistication of criminal behavior has increased across virtually all areas, including cybercrime, identity theft, gang activity, fraud and narcotics. Sinequa provides the ability to search and analyze a wide range of sources of both structured and unstructured data to gain meaningful insights using connections between people, phone calls, license plates, addresses, properties or other forms of data.

Fraud Analysis/Cybersecurity

Investigators face the daunting task of accurately identifying fraud and cyber attacks across big data volumes within shrinking windows of time. On top of advanced search and natural language processing capabilities, Sinequa delivers dynamic relationship mapping to connect people, bank accounts, credit card numbers, financial transactions, and many other data "entities." Analysts uncover patterns in behavior using a combination of interactive charts, timeline analyses, tables and relationship maps.

> *"Our organization is dedicated to help prevent money laundering and counter terrorist financing. We have implemented Sinequa's platform to gain precious insight from millions of bank transactions and other sources to pinpoint fraud and suspicious activities."*

A European Financial Intelligence Unit Representative

Trusted and Built on Years of Success and Industry Recognition

Sinequa's expertise and innovation have been forged by years of experience with some of the world's defense and security agencies including:

- Airbus Defence & Space

- Airbus Helicopters

- European Commission

- French Ministry of Defence

- French Ministry of Finance

- French Ministry of the Interior

- MBDA

- Northrop Grumman Corporation

- SIPJ - French Police Information Service

- Other select Intelligence and Law Enforcement agencies

Sinequa, a recognized leader in the Gartner Magic Quadrant for Insight Engines 2018 and Forrester Wave for Cognitive Search and Knowledge Discovery 2017, continues to receive positive recognition from its customers, analysts and the press for its role in powering information-driven organizations that drive significant value for their customers.

About Sinequa

Sinequa is an independent software vendor providing a Cognitive Search and Analytics platform for Global 2000 companies and government agencies that connects people with the information, expertise and insights necessary for organizations to become information-driven. For Sinequa customers, this means actionable information presented in context to surface insights, inform decisions, and elevate productivity. The platform has been forged by experience in projects for large organizations in complex environments with large and diverse sets of data and content. Sinequa's unified platform is fully integrated and configurable to support current and future needs around becoming information-driven.

Sinequa develops its expertise and its business around the world with a broad network of technology and business partners. For more information, visit www.sinequa.com.

sinequa

Paris
12, rue d'Athènes
75009 Paris

London
20 Fitzroy Square
London W1T 6EJ

Frankfurt
Walter-Kolb-Str. 9-11
60594 Frankfurt/Main

New York
245 Fifth Avenue
New York 10016

San Francisco
555 California Street
San Francisco, CA 94104

www.sinequa.com   twitter.com/Sinequa   www.linkedin.com/company/sinequa