

Analyzing Intelligence Data by Integration of SAP Text Analysis with Palantir



Applies to:

SAP Investigative Case Management for Public Sector (CRM 7.1)

Summary

Detailed investigations can lead to a vast amount of data. For drawing the right conclusions, it is crucial to find persons, objects, locations, events, and their connections in existing information, to get graphical overviews of complex networks, and to display the order of events in time and space. SAP Text Analysis extracts the involved entities in any unstructured text and provides them for the advanced analysis with the Palantir Analytic Platform, designed for the needs of the public security community.

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Created on: 25 February 2010

Author Bio

Nils Ehlert joined SAP in 1997 and is a solution expert for case management and public security. Prior to his current position he was ten years in development for public services, being involved in projects in the areas of HCM (payroll) and CRM (e-government and social services).

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Using SAP Text Analysis for Investigation and Intelligence

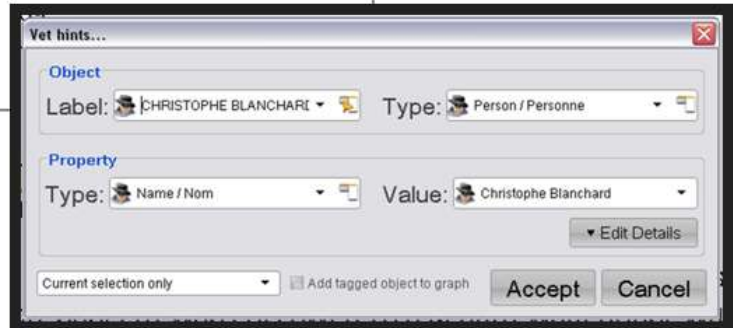
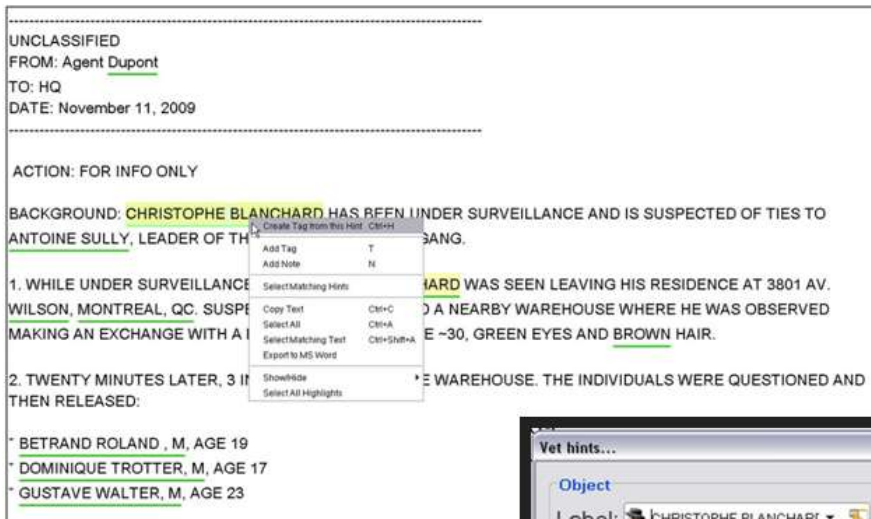
For the intelligence of criminal cases, it is not sufficient to have the proper information available. When the sheer mass of data is beyond the human capabilities of searching, reading and understanding, it is necessary to automate the task of finding the relevant detail.

The key capabilities of SAP Text Analysis are:

- Federated search and discovery – no need to index the world to search it.
- Real-time filtering and analysis of content.
 - Real-time summarization
 - Relevance ranking
 - Classification/categorization by predefined taxonomies
 - Automated clustering and filtering by relevant people, companies, locations and other entities contained within electronic text
- Automated tracking of topics and Web pages, with personalized alerts

Highlights of the SAP Text Analysis features:

- Sophisticated clustering and filtering of search results, powered by patented, industry-leading language understanding.
- Patent-pending methods to integrate new content sources rapidly using a visual tool, and monitor content sources for relevant changes.
- Unique security capabilities to preserve and leverage security models implemented in disparate content systems, including “deep Web” and subscription sources.



Getting the Full View

When information has reached a certain level of complexity it is crucial to have analytical tools that can aggregate and analyze data in a manner that leads to new insights. This includes a diagram of the relationships between persons, objects, locations, and events, a timeline showing the sequence of incidents, a geographical map marking addresses and crime scenes, and further tools. These possibilities are given by Palantir platform, an intuitive and easy-to-use application that can draw data from different sources and bring them together for reaching the next level of intelligence. You do not get only the “where,” “why,” and “what”, but also, and most importantly, the ability to make a predictive “where will”.

Palantir provides a full-featured, enterprise-grade analytic platform for Intelligence and Law Enforcement Communities out of the box providing

- a platform for analysis, driving through an attractive and intuitive user interface,
- tools to capture, extract, relate, and visualize complex data sets from internal/external sources
- features for data assurance, collaboration, security, and data integration from the outset
- a set of robust, scalable, open and maintainable components

The screenshot displays the Palantir Graph interface. The main window shows a network diagram with nodes representing entities and edges representing relationships. The nodes include 'Christophe Blanchard', 'Wilson, Montreal', and 'Antoine Sully'. A 'Suspicious Activity Report' document icon is also connected to the network. The interface includes a menu bar (Investigation, Edit, Select, Settings, Windows, Help), a toolbar with various actions (add, color, types, find, pin unpin, auto grid circle snap shot, o.r., select), and a search bar. The right-hand side features a detailed view of the selected entity, 'Wilson, Montreal', with sections for Properties, Related Entities, and Related Documents. The bottom of the interface shows a History and Timeline section with four thumbnails representing previous actions: 'Added Links', 'Added Docume...', 'Added Links', and 'Added Entity to ...'.

Connecting SAP Text Analysis with Palantir

SAP Text Analysis can be leveraged from within Palantir to extract people, companies, places, events and other key entities from unstructured documents. These documents can come from any source that Palantir is able to access.

The extracted entities are returned to the user as hints or suggestions. The user can decide which of them add value to the current investigation and transfer them into entities of the Palantir data model. Thus they are ready use in any of Palantir's analysis tools like visualizing the relationship network between persons or showing locations on a geographical map.

The data model of Palantir is extendable. Thus you cannot only define new attributes at given types of objects but also create new types and subtypes of entities necessary for your investigation.

Without the limitation of application borders, the source of data does not matter anymore. All gathered information is available wherever you need it.

To Learn More

For more information about integrating SAP Text Analysis with Palantir, please contact your SAP representative.

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