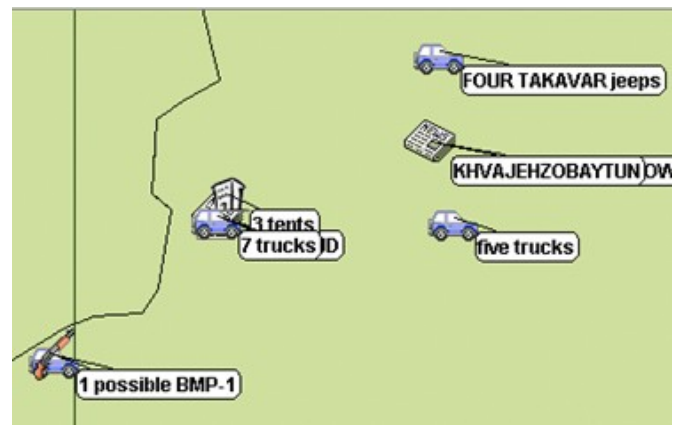
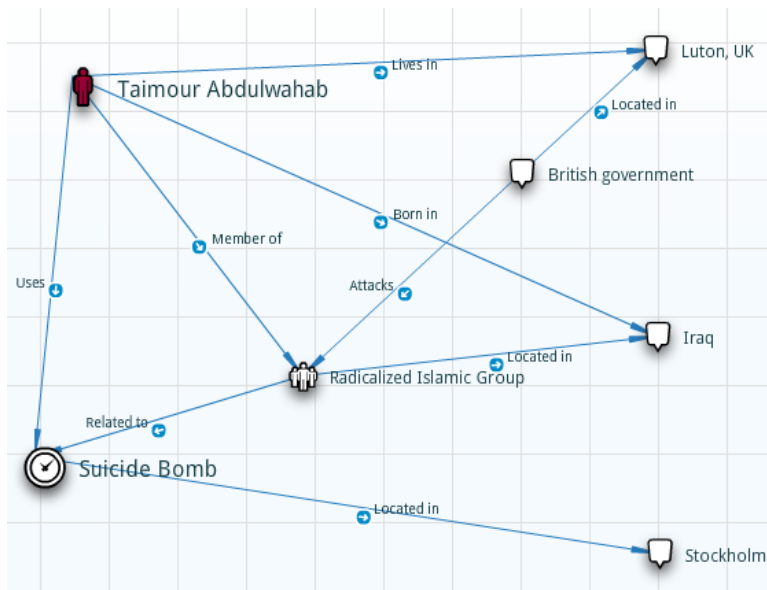


Janya Semantex™ provides key capabilities including location normalization and geotagging to power geospatial analysis tools and environments. Its consolidation of entity, event, location, temporal and relationship information from a variety of unstructured data sources provides rich data to analysts and allows them to make more effective use of their analytical environments and data analysis applications.

Janya Semantex™ has historically powered enterprise applications for defense and intelligence analysis ranging from multilingual social media monitoring to collaborative knowledge modeling, information operations, and automatic metadata extraction from scientific journal articles.

Janya Semantex™ is flexible enough to support a range of unstructured and semistructured data sources and formats from OSINT news feeds to USMTF formats, SIGACTs reports, etc.



Geospatial visualization shown in the ISS WebTAS® application from USMTF data, powered by Janya Semantex™

The Thetus Savanna solution powered by Janya Semantex™ entity, location, and relationship extraction

Location normalization

- Built on the solid foundation of Janya Semantex™ named and nominal entity extraction, and coreference detection.
- Disambiguates locations based on contextual information and heuristic rules. e.g., 'London' as London, UK from a candidate list including other Londons in Ontario, Belize, Finland, etc.

Geotagging

- Leverages an offline integrated copy of the GeoNames gazetteer, including over 10 million geographical names along with information such as population.
- Latitude, longitude coordinate information for locations identified in the text are added to enrich location profile records in Janya Semantex™ output.

Powering geospatial analysis environments

- Janya Semantex™ provides output in XML, RDBMS, and RDF formats via a web services SOAP interface for easy integration into geospatial analysis environments.



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