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## WHY TANGO IS BETTER



**Intelligence Analysis.**

**Corporate Intelligence.**

**Fraud Investigations.**

**Uncover Connections.**

**Prevent and Disrupt Criminal and Fraudulent Activity.**

**Knowledge That Empowers Decision Making.**

## **Faster, more accurate investigative analysis**

Unique data processing copes with volume, velocity and variety; delivers rich associations of intelligence and investigative value faster and more accurately than chart building tools in the market.

## **Broader in-depth coverage from more data source types and formats**

Richer graph improves detection of hidden structure of organizations, related groups, fraudulent behavior, suspicious group activity, patterns of suspicious behavior and emerging threats.

## **Automatically Builds a Unique Semantic Web of Intelligence**

Users often refer to Tango as “The Facebook of Intelligence Analysis”. All activity on an entity (person, group, company, place, communication device, bank account, vehicle, etc.) is organized in web pages linked by semantic links. Each page has an image gallery to link multiple pictures associated with the entity. A timeline shows recent activity posted to the page and who entered it.

## **Native Support for Concurrent and Collaborative Analysis**

Task force groups can be quickly assembled to collaborate in the analysis of a case.

## **Dynamic Graph Visualization, Reporting and Alerting**

Web-based widgets enable to visualize and edit link charts. Visualization shows dynamics of networks over time with labeling controls, color by entity tag, link color and thickness by source reliability, granular entity, relations and temporal filters and searching capability. Selecting and Entity or Relationship highlights connected entities. Filter by network size. Iterative graph exploration allows for collapsing expanded entities. All icons are clickable enabling the user to go directly to the page associated with the entity.

Graph-based alerts support user-defined granular settings on designated graph nodes and specific attributes or network changes. Stay on top of relevant data collection associated with your targets and suspects

## **More Powerful and Scalable Analysis Platform**

Blazing fast enterprise search. Tango is built with Apache Solr platform, the same that powers the search and navigation features of many of the world's largest internet sites, and which provides Tango with powerful full-text search, hit highlighting, faceted search, near real-time indexing, dynamic clustering, database

integration, rich document (e.g., Word, PDF) handling, and geospatial search. Solr is highly reliable, scalable and fault tolerant, providing distributed indexing, replication and load-balanced querying, automated failover and recovery and centralized configuration.

## **Unique Analytical Workflow Filters Capability**

Advanced “Built-once Use-many” Analytical Workflow filters can be saved and shared with other analysts. Filters run with a “one-click” option, extract entities of interest and generate reports or export the results to Google Earth or Analyst Notebook. Filters can be set to run periodically and generate alerts based on the outcomes.

## **Unique Activity-Based Intelligence Capabilities**

The user Homepage is a situation Awareness dashboard that allows users to set a time frame and a region of interest and see Events and Activities of interest over space and time. Users can select various Visualize Search Layers of interest and see the results on a map.

## **Unique Automatic Email and Social Network Analysis Capabilities**

Rapidly understand the flow of information with automatic email and social network analysis.

## **Unique Similarity Search Capabilities**

Semantic similarity search allows for finding entities with similar attributes and network characteristics. This feature is used to resolve entities that are not initially recognized as being the same.

## **Modular & Expandable Functionality via Plug-In Apps.**

Tango Plug-in Apps include:

- Text Analytics and Topic Mapping
- Alerts
- Data Loaders including databases and other specialized datasets (e.g. Celebrite, Call Data Records, and Biometric Enrollment Records)
- Reports
- Geo-location data feeds (tracks)
- Surveillance video analytics and geo-fencing filters,
- Social media and web news feeds

- Web page importer
- e-mail input processor
- Message bus connector for transaction data
- API to develop custom apps that leverage Tango's semantic graph and expand and customize its functionality. For example, custom apps have been developed to detect patterns and anomalies in dynamic networks.
- Extensive library of data loading apps permit modifying an existing parsing template to process a new data format, faster and at substantial savings than with other products in the market.

## More Versatile Data Output

Export Tango data to XML to exchange data with other software. Export data to Analyst Notebook complementing those charts with information from a larger variety of data sources. Users can output geospatial intelligence dynamically as OGC Map Layers, which allows for displaying the information in Tango from geospatial tools that use the OGC standard.

Tango includes a REST API to provide search functionality to other Web Applications including mobile applications as well as Google Earth Integration via export to KML.

**Tango provides the market's most advanced semantic data processing and analysis capabilities at the most affordable cost. Tango license models and total cost of ownership results in substantial price/performance advantage.**

The Semandex Training Team delivers education services to help customers successfully deploy and integrate the Semandex products to their full potential. Courses are available at the customer's site and at Semandex facilities. A typical training course is 5 days.

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