

Sentinel Visualizer®

The Next Generation in Visualization and Analysis

Sentinel Visualizer provides a powerful new generation of visualization and analysis capabilities. With a wide variety of tools, Sentinel Visualizer allows you to find new insight, patterns, and trends hidden in existing data leading to accurate and actionable intelligence.

Data Visualization

With Sentinel Visualizer visualization tools you can:

- Find hidden relationships
- Quickly identify clusters and patterns
- Perform ad-hoc analysis
- Organize complex networks

Flexible Visualizations

Sentinel Visualizer provides 2D and 3D network link charts. Automatically build network charts with complete control over layout and appearance. Query the knowledgebase for entities and relationships, and the system automatically organizes the data into a coherent and visually clear network. With Visual Styles, you have complete control over every aspect of appearance, including images, colors, fonts, and line styles. Full support is also included for panning, zooming, and ad-hoc data analysis.

Direct Knowledgebase Integration

Since the visualization surfaces are connected to your knowledgebase, you have immediate access to comprehensive information about any object in the network. Click on an entity and display all its narrative, metadata and linked content. The Details pane provides quick access to the key data points for entities and relationships.

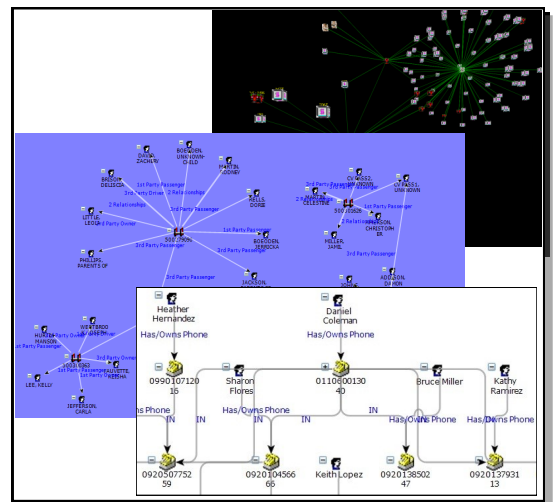
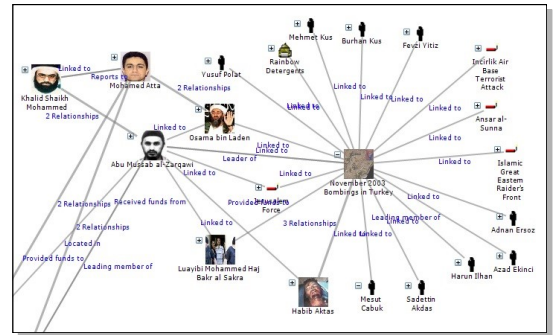
Automated Analysis

With Sentinel Visualizer Automated Analysis you can:

- Automatically identify central players
- Use Social Network Analysis (SNA)

Network Metrics

Sentinel Visualizer includes Network Metrics—our advanced technology for identifying, grouping, and ranking complex inter-related data. With a foundation in Social Network Analysis, our system provides the ability to rank centrality, importance, and other key metrics even within large complex datasets so you can identify hidden relationships.



Name	Type	Degree	Betweenness	Closeness	Eigenvalue	Hub	Authority
Osama bin Laden	Person	44	1	0.7071	0	0.7071	0
Abdallah Al-Halabi	Person	1	0	0.560606	0.0049	0	0
Abu Mussab al-Zarqawi	Person	3	0	0.632478	0.0049	0.7071	0
Al Qaeda	Terrorist Organiz.	1	0	0.560606	0.1254	0	0.2887
Ayman Al-Zawahiri	Person	1	0	0.560606	0.0049	0	0
Enaam Arnaout	Person	1	0	0.560606	0.0049	0	0
Imad Eddin Barakat Yarbas	Person	1	0	0.560606	0.0049	0	0

Temporal Analysis

Sentinel Visualizer provides a powerful Time Range interface that hides or shows data based on a time slider control. Temporal Analysis makes it easy to see how networks form, change, and interact with each other over time. This capability allows you to spot patterns and predict actions and behaviors.

