

# Sentinel Visualizer®

## Advanced Data 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.

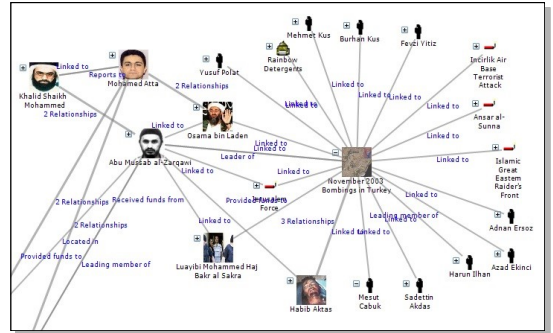
### Data Visualization

With Sentinel Visualizer visualization tools you can:

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

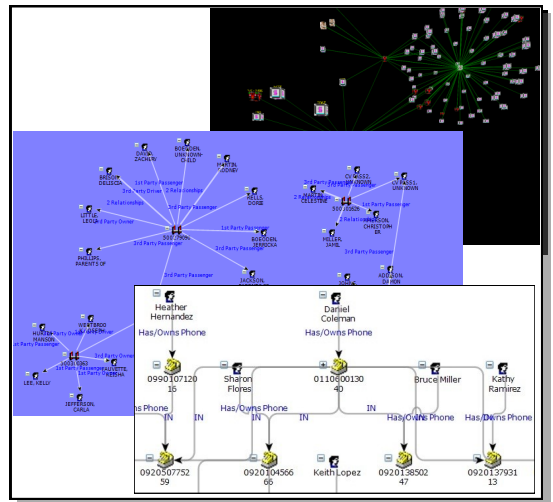
### Advanced Link Analysis Charts

Sentinel Visualizer provides 2D and 3D network link analysis. 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. Set styles to control the appearance of images, colors, fonts, and line styles. Easily pan, zoom, and perform ad-hoc data analysis.



### Direct Knowledgebase Integration

Since the visualization surfaces are connected to your database, you have immediate access to comprehensive information about any object in the network with multiuser sharing. 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

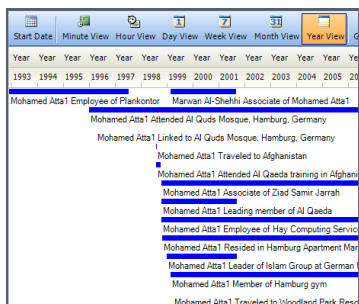
With Sentinel Visualizer Automated Analysis you can:

- 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	1	0.7071	0	0.7071
Abdallah Al-Halabi	Person	1	0	0.560606...	0.0049	0	0
Abu Mussaab 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.



## Flexible Data Access

The Sentinel Visualizer Knowledgebase makes it easy to store and manage any type of data. Manage people, places, organizations, email addresses—virtually any data type. You can also add your own metadata types to the system for complete flexibility. Search options make it easy to find the data you need.

## Data Management and Search

Sentinel Visualizer makes it easy for your entire team:

- Organize and store a rich array of data types
- Import data from a variety of data sources
- Name disambiguation and advanced search features
- Find text inside embedded documents like Word, Excel, PDF, text, etc.
- Save and combine searches to find common entities across locations and time

## Geospatial Analysis

With Sentinel Geospatial Tools you can:

- Visualize entities and relationships on a map
- Use online maps and zoom to any part of the world
- Support offline maps and ESRI shape files
- Perform geo-query operations to find data by region
- Filter visualization data by area
- Store and manage geospatial data

## Reports and Sharing

The system is multi-user capable and allows you to build reports and presentations. Data sharing is automatic—users have access to information through a secure logon environment. Track changes by users, and make personal copies of analysis and visualization data.

Sharing data with non-Sentinel users is also easy. A free Sentinel Visualizer Reader Edition is available to distribute your work. You can also export data in a variety of formats, including Microsoft Word, Excel, PDF and web pages.

## System Specifications

### Open Database Standards

Sentinel Visualizer stores its data in Microsoft SQL. This open architecture ensures you can always get to your data, conforms to your security standards, and can be combined with other sources. Data, graphics, videos and other documents can be stored internally or as links to their sources.

### Support Connected and Disconnected Environments

Sentinel Visualizer stores its data in Microsoft SQL Server which can be located locally, on a shared network server, and in the cloud such as SQL Azure. Run Sentinel Visualizer on a network or disconnected mode on a standard laptop with a local database when analysis is needed in the field.

## Get Started Today

- Visit [fmsasg.com](http://fmsasg.com) for product information, whitepapers, product tour, and customer testimonials
- Contact us for a free evaluation copy

