

# Case Study

## Combatant Command Responds to Rapidly Evolving Data

Understanding the rapidly changing dynamics of combat situations is one of the toughest intelligence challenges. The Special Operations Combatant Command constantly all kinds of networks – people, groups, governments, enemy organizations. Some are homogenous; many are not. Some are tightly located in close knit communities; some are dispersed in far-flung, transnational syndicates. Information about these networks can include strategic-level expertise, regardless of geographic location, or tactically oriented data about a location or sub-set of a network.

For combatant command analysts, the mission and networks are evolving constantly, often outpacing the time it takes to build network diagrams, disambiguate entities, and search multiple data sources to discover new links and patterns. The slow process of manually building network maps, disambiguating names and entities and searching disparate data sources to discover links and patterns hampered analysts' ability to respond quickly to fluid situations.

The Special Operations Combatant Command needed to expedite their current processes to deliver answers faster. They turned to MarkLogic and Rivium for a better analysis solution. MarkLogic's enterprise grade unstructured database helped the agency consolidate access to their diverse datasets. Rivium's smart data discovery platform makes it faster, and easier for analysts to search the data, identify network entities and keep up to date on the latest knowledge.

Now teams can query all their databases of interest and return results in any data formats in a customizable view that includes the identities of and links to other teams who have made similar searches. Object-based intelligence is easier since tags link people and places to other essential information, such as financial records, videos, and pictures that auto-populate in the structured summary product. The platform provides a near-real time picture of complex links between people, places, and things. The agency makes better use of its data and teams can collaborate more directly to save time and deliver better results.



### CLIENT

Special Operations Combatant Command

### CHALLENGE

Expedite network analysis processes to deliver answers about complex, evolving enemy developments faster.

### SOLUTION

Rivium and MarkLogic 8.0

### RESULTS

Easier access to databases of interest. Enhanced object-based intelligence metadata with near real-time views of complex links between people, places and things.



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KNOWLEDGE THROUGH DISCOVERY

[Rivium.io](https://rivium.io)