ACS
ADVANCED CENTRIC SYSTEMS B.V

Sea / Air/ Land

DSCKBO

DATA SEARCH CENTER FOR KNOWLEDGE-BASED ORGANIZATIONS

THE PROBLEM

Knowledge-based organizations such as research institutes, Knowledge-Intensive Business Services (KIBS) and intelligence agencies face significant challenges owing to the massive amounts of data stored in various databases throughout the organization.

The process of searching for information in different databases and through different access systems and search engines is time-consuming and ineffective. Combining different data sources in order to provide a comprehensive and detailed answer to a complex inquiry normally involves intensive manual processes and takes a long time to complete.

Knowledge-based organizations will benefit from an efficient information retrieval and processing capability that would allow them to promptly locate and access the information they require and process it effectively. In the case of intelligence agencies and other military, defense, HLS and law enforcement knowledge-based organizations, the overriding demand regarding this data searching and processing capability is that the information must be made available within a relevant timeframe.

THE SOLUTION

ACS presents ADSCKBO – Advanced Data Search Center for Knowledge-Based Organizations.

ADSCKBO is a state-of-the-art data search center designed to provide a centralized, single-point automated search & analysis mechanism for all of the data available within the organization.

ADSCKBO combines advanced language, phonetic, semantic and other search capabilities to locate any data, regardless of type or format, through a single search inquiry.

The system architecture of ADSCKBO enables it to integrate with the user organization's existing intelligence systems and databases. The system consists of three primary elements:

The user organization's existing systems & databases

A WebInt/ComInt collection element

A powerful data fusion center

ADSCKBO improves the efficiency of investigations, intelligence analysis activities and information sharing and helps the user organization gain more profound insights from the data available to it

KEY FEATURES & MAJOR ADVANTAGES

Key features:

- State-of-the-art search, analysis & data fusion mega-engine
- Single-point access to all of the data available within the organization
- Locate, identify, correlate & integrate any data, regardless of type or format
- Convert unstructured data into structured information
- Scalable, big-data ready platform
- Robust information security
- Primary capabilities:
- Semantic search
- Text analytics in various languages
- Morphological search

- Phonetic retrieval
- Fuzzy search
- Geographic search
- Field, data & numeric search
- Linked entity inquiry options
- Link analysis
- Periodic inquiry options
- System constitutes a source of data for analysis processes
- System architecture enables integration with existing intelligence systems & databases. Primary system elements:
- User's existing systems & databases
- A WebInt/ComInt collection element
- A data fusion center