IBM i2 iBase

Collaborative database application designed to support intelligence-led operations

Highlights

- Gather, structure and process disparate data into a single repository for improved management

- Discover hidden connections across structured and unstructured data with visual analysis tools

- Leverage the value of intelligence stored within IBM i2 Analyst's Notebook

- Collaborate and share knowledge and information across the analyst community

- Cost-effective deployment options and a flexible data model with robust security capabilities designed to meet evolving organizational needs

IBM® i2® iBase is an intuitive database application designed to help collaborative teams of analysts capture, control and analyze multi-source data in a security-rich, single working environment in order to address the daily challenge of discovering and understanding connections in volumes of complex structured and unstructured data.

Designed with input from analysts' real-world usage across national security, law enforcement, military intelligence and commercial organizations, IBM i2 iBase is not just another repository, it provides rich analysis and visualization capabilities to help identify cohesive networks, patterns and trends, together with dissemination tools to support faster and more informed decision making.

Analysts can maximize the value of stored information through tight integration with IBM® i2® Analyst's Notebook®, which offers advanced analysis tools for multi-dimensional analysis. In addition, IBM i2 iBase provides connectivity to leading Geographical Information Systems (GIS) through the optional licensed IBM® i2® iBase Geographical Information System Interfaces.

IBM i2 iBase comprises of a wide variety of data management and analysis capabilities which offer the following key benefits.

Flexible data acquisition and management

IBM i2 iBase offers highly flexible tools to map and transform information imported from structured and unstructured data sources into a centralized repository. Once information is modeled in a common format, users can capitalize on data management tools to identify duplication and commonality across previously unrelated sources.

Automated and task driven analysis

IBM i2 iBase users have access to a wide range of analytical tools designed to uncover hidden connections faster, helping analysts to delivery timely and actionable results. These tools include the security-enhanced Search 360 which comprehensively searches intelligence stored in records, charts and documents through a straightforward internet-style search bar. Alternatively, powerful visual-based queries provide the ability to ask complex, focused questions without the need to learn complicated computational query languages, allowing analysts to more quickly and effectively interrogate the data rather than waste time trying to identify whether they have posed the question that they intended.

Managed collaboration and workflow support

Built-in collaboration tools such as folder objects, database sub-setting and alerting provide users with the means to more securely share information and knowledge across small workgroups or throughout the intelligence staff community. This, together with the ability to alert other users when key information becomes available, can increase the analyst's team's operational efficiency and awareness while reducing the chance of accidental oversight. In addition, IBM i2 iBase offers security-rich data access capabilities so that users can be confident that sensitive information is limited to those who need to know. Accountability and traceability features intrinsic to IBM i2 iBase promote user and data governance.
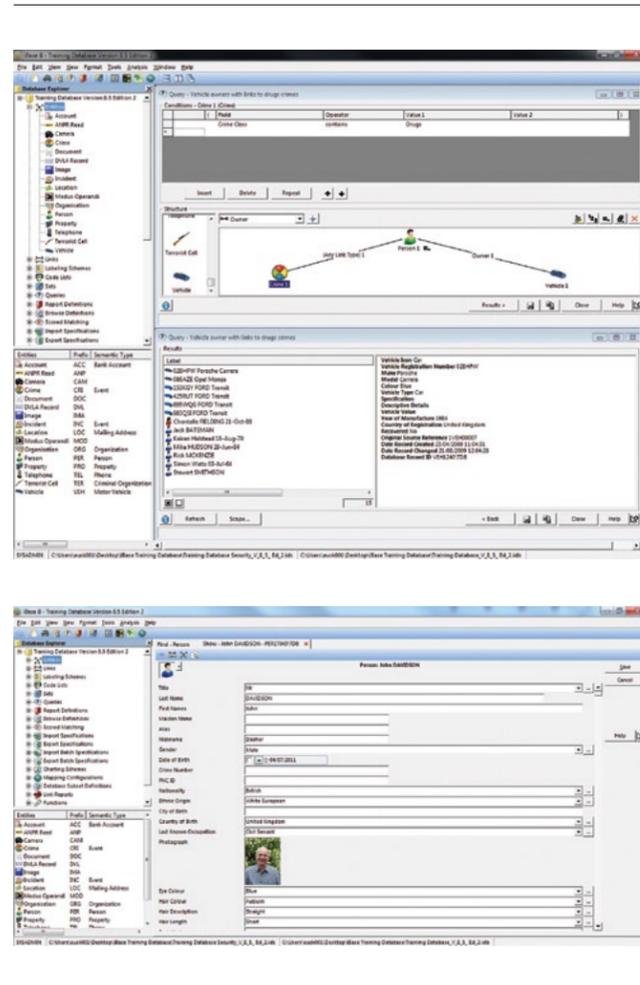

Figure 1: IBM i2 iBase can boost productivity and empower collaboration
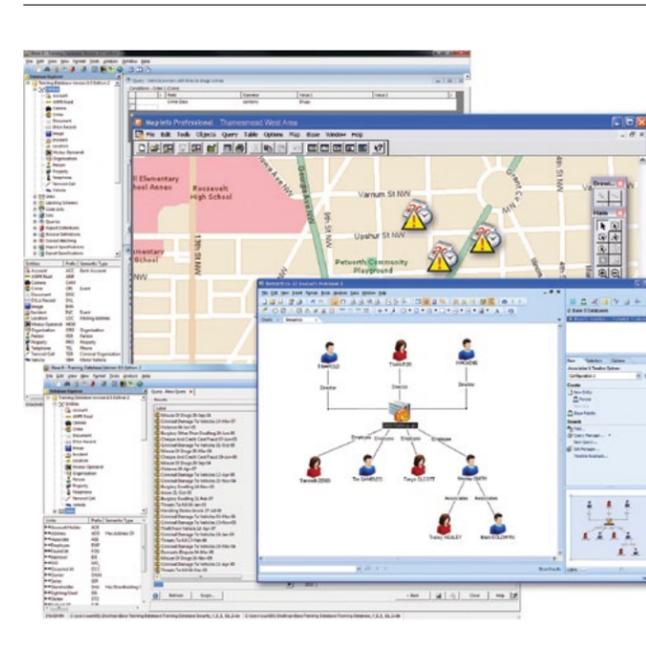

Figure 2: IBM i2 iBase is designed to improve the users' experience through tabbed records, an IBM i2 iBase task pane in Analyst's Notebook and bulk upload of coordinates

Configurable off-the-shelf application

IBM i2 iBase has a highly flexible and configurable data model and security layer that can be based upon either Microsoft® Access or Microsoft® SQL Server technologies. Users with little technical expertise can create and manage a schema dependant on their organization's needs through an intuitive designer interface.

Maximize benefit from existing IBM i2 investments

IBM i2 iBase can be tightly integrated with Analyst's Notebook for data entry, interactive information exploitation, searching and browsing and results dissemination in the form of visual charts. IBM i2 iBase offers the ability to store Analyst's Notebook charts, allowing individual chart items to be searched and retrieved for further analysis and visualization, in turn maximizing the value of legacy Analyst's Notebook charts in current operations.

IBM i2 iBase key features:

Increased user productivity
- Search 360
  - Sounds like, synonyms, spelled-like and mistyped words supported
  - Prioritization of results based on context of search
- Improved import and export
  - XML Support
  - File loader; bulk load documents, pictures and Analyst's Notebook charts
  - Bulk upload of coordinates
- Support for foreign characters
- Multi-hyperlink storage
- IBM i2 iBase Task Pane in Analyst's Notebook

Improved collaboration
- User notification via email or within IBM i2 iBase
  - When a record is modified or viewed
  - When a record in a query changes
  - When the contents of the query changes (records either added or removed from the query results)
- Database sub-setting
- Chart Viewer to view and search Analyst's Notebook charts
- Improved security and auditing
  - Stronger hashing/encryption algorithms
  - Single sign-on
  - Audit trail of records

For more information

To learn more about i2, please contact your IBM representative, or visit: **www.ibm.com**

To learn more about all of the IBM Smarter Cities solutions, visit: **ibm.com**/smartercities

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