IBM i2 Analyst's Notebook Premium

Manage a wide range of intelligence with powerful search and discovery capabilities more effectively

Highlights

- Speed up the intelligence analysis cycle with a rich, data-centric analysis environment

- Minimize the overhead of data management with optimized local analysis repository

- Improve the discovery potential of key information across all available data

- Generate multi-dimensional views of data faster with a single, comprehensive analysis environment

- Support detailed analysis of data through to intelligence product generation

- Obtain near immediate productivity gains with built-in components for rapid deployment

IBM® i2® Analyst's Notebook® Premium builds on the powerful visual analysis capabilities of IBM i2 Analyst's Notebook by providing a rich, data centric, single user analysis environment. It includes the key elements required to collate, manage, explore and analyze intelligence data. i2 Analyst's Notebook Premium is designed to help analysts and investigators discover information hidden in mass disparate data that is commonplace in the fight against modern day, sophisticated criminal and terrorist organizations.

At the core of i2 Analyst's Notebook Premium is a local analysis repository that is optimized for data management, information discovery and analysis. This repository enables users to more effectively manage a wide range of intelligence by collating it into a single source. For instance, the repository features a data management interface that is designed to enable rapid data entry and management and provides powerful search and discovery capabilities. These capabilities help users to quickly explore their collated data and identify key information within the local analysis repository. Data of interest can be exported in a commonly supported structured data format so information isquickly disseminated across organizations for inclusion in other tools or processes that may rely on it.

By incorporating data storage and search and discovery features with visual analysis capabilities, i2 Analyst's Notebook Premium offers an integrated environment. It empowers users to quickly build multi-dimensional views and hypotheses on data of interest. This ultimately helps to drive more timely and accurate operational decision making.

Overview

i2 Analyst's Notebook Premium is a powerful data-centric visual analysis environment, backed by an optimized local analysis repository. It offers users a comprehensive range of capabilities to identify actionable intelligence within disparate data sets.
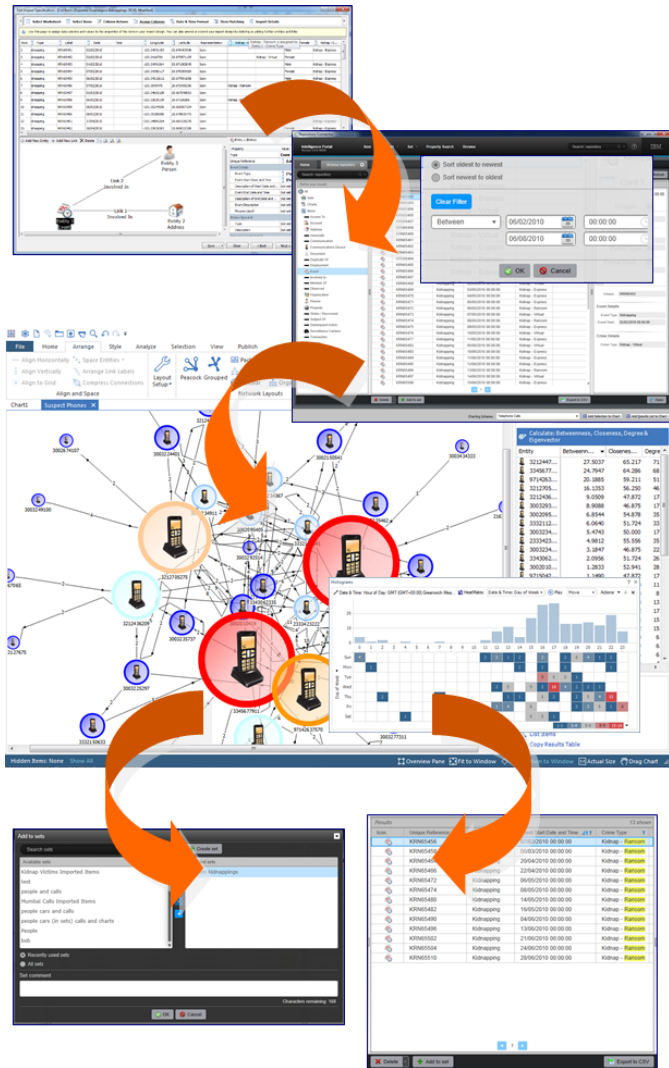

Figure 1: Analyst's Notebook Premium provides users with the ability to ingest, manage, visualize, analyze data and share key findings.

These capabilities help organizations and their users achieve the following objectives:

- Build a single, cohesive intelligence picture more quickly by combining all available information in a one analysis repository
- Strengthen insight and understanding of complex criminal, terrorist and fraudulent activities and networks
- Increase the depth of end intelligence products for more effective resource utilization
- Clearly communicate analysis findings to drive informed and effective operational decision making

Reduce data management and analysis overheads by

The local analysis repository enables users to store structured, entity, link and property information as well as unstructured data, including i2 Analyst's Notebook charts. This storage system is optimized for larger volumes of data and analysis when compared to i2 Analyst's Notebook charts.

Enhanced data management features help ensure that the provenance of data is retained. User notes about an item's evolution over time also helps ensure that working knowledge is captured so it can be used to assist operations in more timely and accurate decision making.

Features of the local analysis repository:

- Store structured and unstructured data in an analysis-ready format within a single location
- Meet specific organization operational needs with a flexible data model and visualization environment
- Ease data input processes with intuitive and configurable manual data entry forms and structured data visual importer mechanisms
- Capture all source, item change history and user insights to ensure all working knowledge is retained

Increase potential information discovery across all available locally stored data

With a repository optimized for analysis as the foundation for i2 Analyst's Notebook Premium, a powerful range of search and discovery techniques can be employed across structured and unstructured data simultaneously. These tools help to accelerate information discovery and uncover intelligence that may have been missed. Additionally, as the analysis repository can store historic i2 Analyst's Notebook charts, key information from previous operations can be included in potential results so that virtually no information source is left untapped.

Data held in the analysis repository can then be located through the powerful search and discovery tools designed to enable users to quickly drill down and identify key information of interest.

Achieve the following benefits with i2 Analyst's Notebook Premium:

- Accelerate information discovery by employing exact and fuzzy searching techniques simultaneously across structured and unstructured data.

- Simplify the creation of complex questions on analysis repository data with human-led visual queries.

- Unlock the value of information and intelligence in existing charts with the ability to place individual chart items directly into the analysis repository.

Create a multi-dimensional view of key knowledge and information

The integration with the rich visual analysis environment enables users to visualize the same information of interest in various operational charts. For instance, this same information can be visually represented for network, temporal, statistical or geospatial analysis. This targeted and focused approach simplifies the analysis phase of operations, thus helping to reduce the time needed to create different hypotheses.

Take advantage of the features of a visual analysis environment:

- Reduce the time to identify the key elements of 'who, what, when, why and where' with multiple analysis views on a single store of data.
- Support the dynamic nature of analysis tasks and reduce the time needed to create different hypotheses.
- Quickly highlight key individuals and relationships and their connections to related events with core link analysis capabilities.
- Understand the critical timeline of events or patterns within criminal activities with powerful temporal analysis tools.
- Gain better insight and understanding of the structure, hierarchy and 'modus-operandi' of complex networks with integrated social network analysis tools.

Simple communication of complex data

While the discovery and development of intelligence is key, it is equally important that analysts are able to effectively share critical findings in a clear and concise manner. The effective dissemination of data is vital to aid operational decision makers in making rapid, accurate and informed decisions. i2 Analyst's Notebook Premium provides users with the following benefits:

- Communicate complex data with intuitive and easy-to-follow visual briefing charts
- Create detailed charts or visualizations to enhance other end intelligence products
- Easily share key information across an organization for inclusion in other tools or processes with export to a commonly supported structured data format
- Produce updated versions of charts to easily share the right level of information to others with differing security clearances
- Easily share charts with non-i2 Analyst's Notebook users with the freely available IBM i2 Chart Reader

Extensibility

i2 Analyst's Notebook Premium is a powerful stand-alone visual analysis environment that provides built-in components/default settings, offering offering near immediate productivity gains. However, there are an extensive range of options available to further extend i2 Analyst's Notebook Premium capabilities for even greater value to analysts and their organization.

Extensibility options are available for:

- **Data acquisition**—IBM i2 iBridge, IBM i2 Information Exchange for Analysis Search
- **Geospatial analysis**—IBM i2 Analyst's Notebook Connector for Esri
- **Unstructured data analysis**—IBM i2 Text Chart, IBM i2 Text Chart Auto Mark
- **Collaboration**—IBM i2 Analyze, IBM i2 iBase
- **Extensibility**—IBM i2 Analyst's Notebook SDK

For more information

To learn more about IBM i2 Analyst's Notebook Premium, please contact your IBM representative, or visit: ibm.biz/i2-anbp

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