



i2 Enterprise Insight Analysis (EIA)

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Who is i2 Intelligence

i2 Strategic Focus

Helping organizations generate actionable intelligence for 27+ years

Used By:

- All branches of US DoD
- 30 of the top 35 defense organizations worldwide
- 40 of the 43 coalition countries operating in Afghanistan
- 25 of the 28 NATO member countries
- All national security, intelligence and federal agencies in the USA
- 18 of the top 20 national security agencies worldwide

National Security



Counter Terrorism
Counter
Intelligence
Intelligence
Analysis

Border Security
Cyber Warfare
Insider Threat

Defense



Contingency
Operations
Counter Insurgency
Counter Intelligence
Intelligence Analysis
Target Analysis
Peacekeeping
Force Protection

Law Enforcement



Major
Investigations
Organized Crime
Public Order/Major
Event Management
Volume Crime
Fusion Centers

Private Sector



Fraud investigations
Security Investigations
Risk & Compliance
Executive protection
Brand protection
Insider threat
Fusion centers

Government



Industry Oversight & Compliance Cyber Threat Securities Investigations Fraud investigations

What is i2 Intelligence

Analyst Workbench

"Front End"

Network & Link Analysis



Analytical Tools



Transactional Timelines



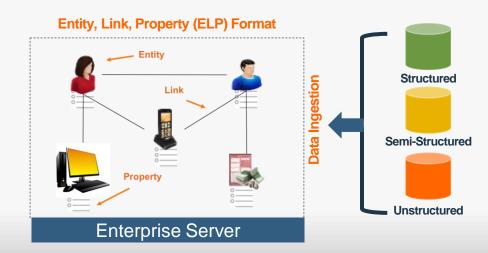
Geospatial Integration



- Out-of-the-box analytics & visualization that help find and track adversaries in both the government and private sector
- Intuitive UI design used by 1,000's of analysts for over 27+ years which greatly speeds up investigation with efficiency
- Create products for decision making or to provide evidence of criminal behavior or as visual aids during an investigation

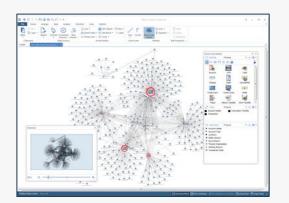
Enterprise Server

"Back End"



- Combine all internal & external data sources into a single object model in order to understand multi-dimensional data
- Advanced searching to quickly expand on an investigation by allowing the analyst to "pivot" a search on any variable
- Deep server-side analytics that allow presentation of non-obvious relationships and data patterns to the analyst

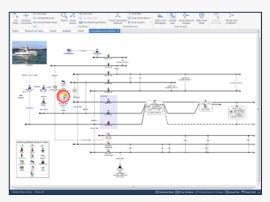
IBM i2 is a set of multi dimensional & visual analysis tools



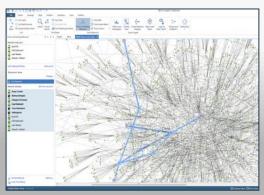
Complex network analysis



Hotspots of activity



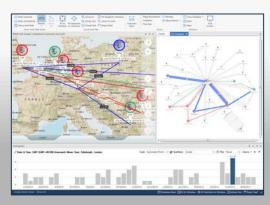
Events over time



Control networks within networks

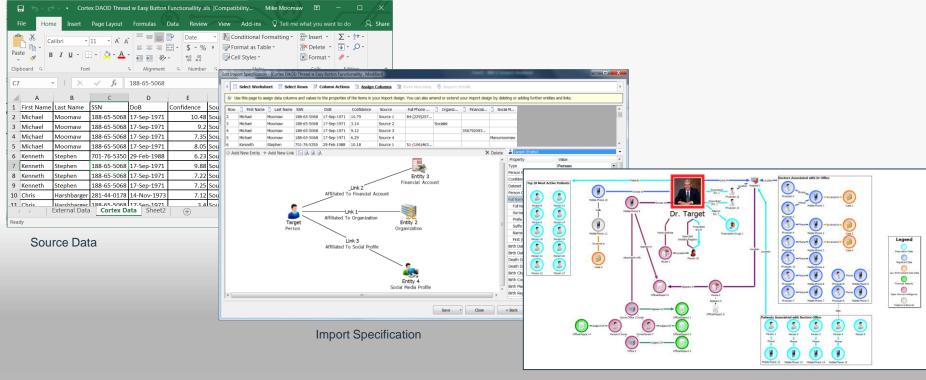


Patterns of behavior



Geospatial Analysis

Analyst's can ingest "Ad Hoc" data quickly – without an "IT Support"



Add to Analysis

Link Analysis's DNA is Entity Link Property (ELP)



We all have a digital footprint that defines us

Link Analysis's DNA is Entity Link Property (ELP)



Name (M)	: Richardo Gomes
Name (M)	: Richard Gomez
Address (H)	: 11035 Burns Ave., Westchester, IL 60153
Address (H)	: 11035 Burns Dr, Westchester, IL 60153
CUST#	: 796
CUST#	: 857
ACCT#	: D2712151385121742
ACCT#	: V97859240062
Phone	: 064-413-9611
Phone	: 069-906-1853
Phone	: 028-891-0646
SSN	: 034-58-5720
DL	: H160-65-120A9 FL
Date Of Birth	: 1976-08-05
Activity Time	:13.26
Activity Date	:04/10/2017
Airline	:xxxx

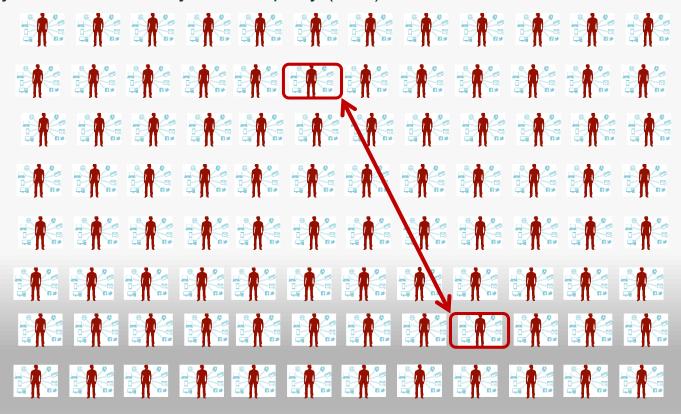


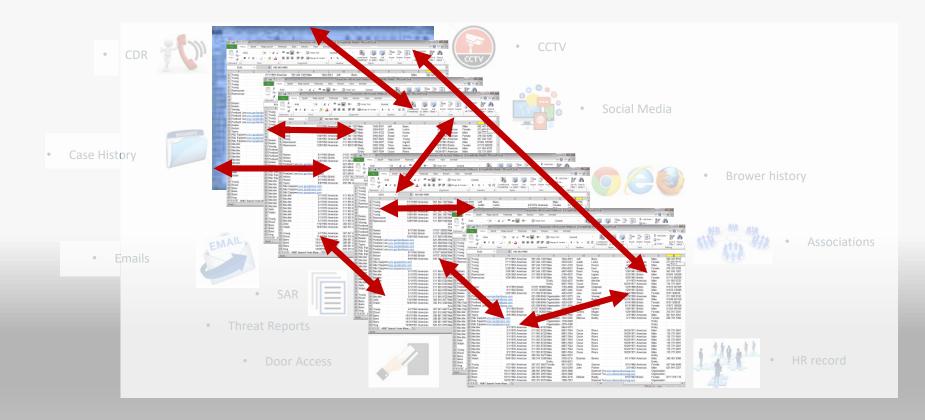
Identities & Entities have attributes (properties)

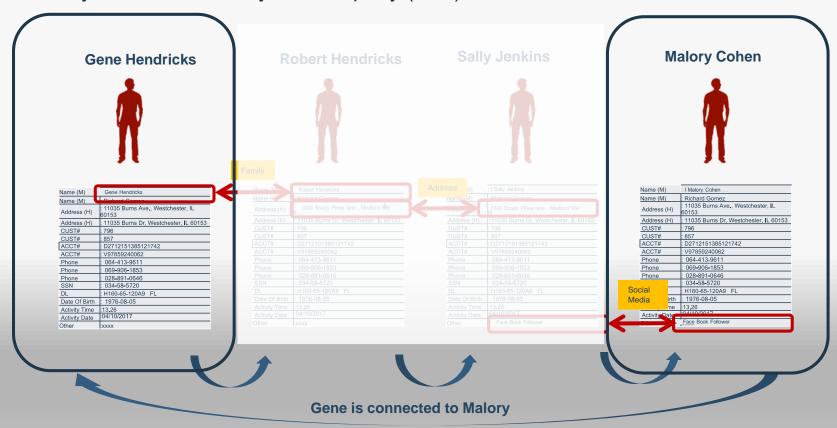
Which connect us to other Identities & Entities

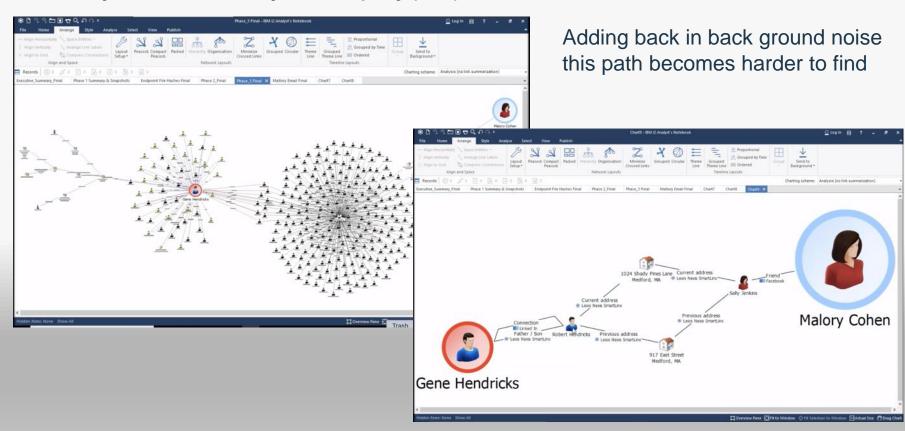
Permanent or temporary connections





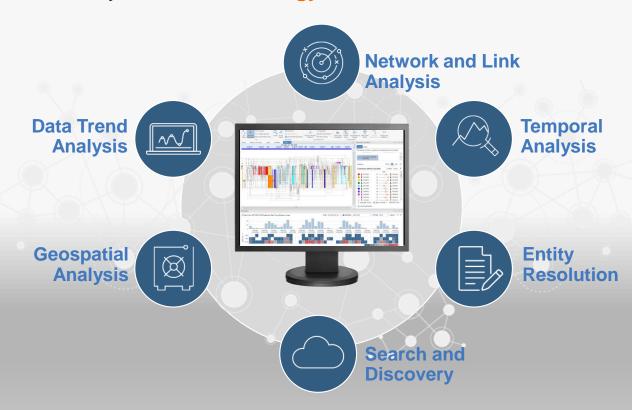






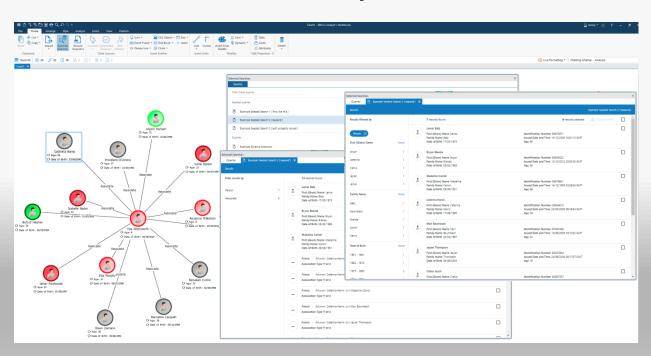
Why - IBM i2 Enterprise Insight Analysis (EIA) solution

IBM i2 focuses on the **analyst** doing **analysis** (**their job**) at **speed**, efficiently and effectively – where **technology enables them**, does not hinder them

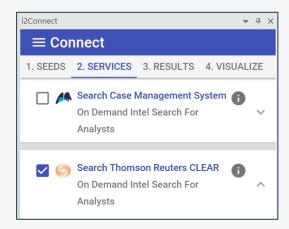


Exciting addition to i2 Portfolio – a new product offering!

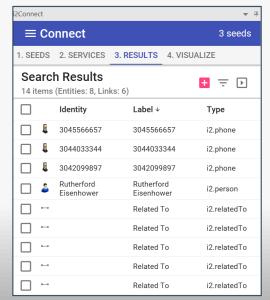
IBM i2 Connect combines seamless connection to data sources with powerful, multi-dimensional visual analysis



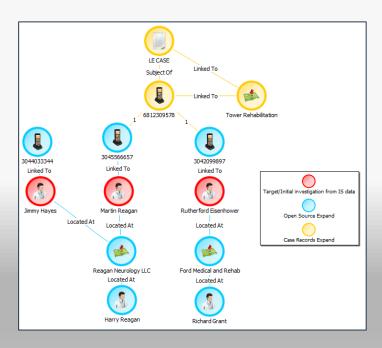
i2 Connect - On demand access to external and legacy data sources



Pick an external source

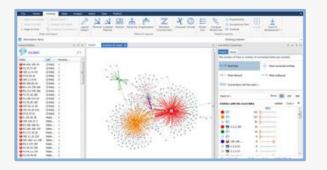


View Results



Add to analysis

Adding value by using i2 Connect







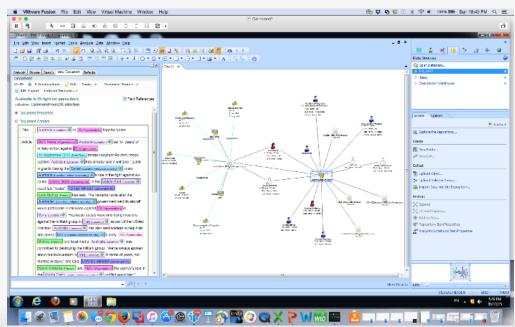
- Improve data insights, easily connect to data
- Harness the power of multiple, disparate data sources to help detect vulnerabilities and disrupt threats, both cyber and physical

- Reduce cost and complexity of investigation
- With minimal technical investment, use or create data connectors to allow rapid access to any data source or API for analysis

- Save time: get actionable insights quicker
- Reduce time required to derive rich, actionable intelligence from complex data sets using powerful advanced analytics

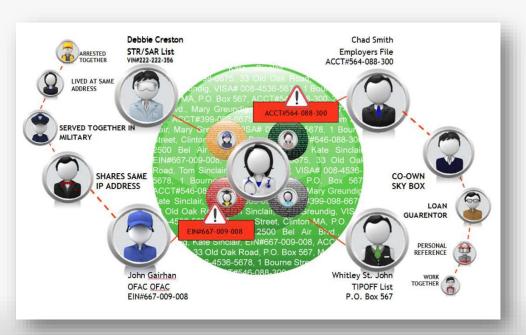
Unstructured Text Analytics

- Sources of Unstructured Text:
 - Suspicious Activity Reports
 - Intelligence Reports
 - Interrogation Reports
 - Open Source Websites
 - Messaging and Social media
- Extract entities (people, places, events) and the relationships between them.



- Resolve the names (President Trump, Donald Trump, Mr. Trump, etc.)
- Provide links to the source text for validation

Entity Resolution



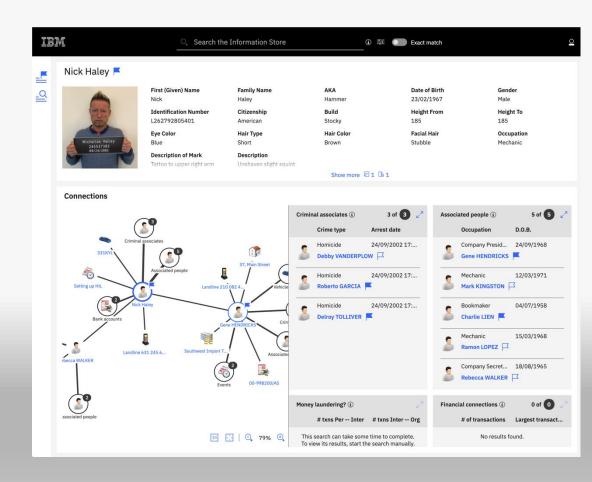
Robust Analytics Built Right In

Deep algorithms that become better over time in detecting non-obvious events

- Entity Resolution allows you to merge like objects and find out "Who is Who" and "Who knows who" – alerting you in real-time
- Recommendation Engine discover key patterns, events, and relationships that are nearly impossible to detect through manual analysis
- Social Network Analysis (SNA)
 ranks relationships between objects
 using multiple network analysis
 algorithms including K-Core,
 Eigenvector, Between-ness, Degree,
 etc.

i2 EIA Investigate Add On - 360 Views

- Major refresh this release
- Expand the i2 user community
- · Minimal training required
- Fast target investigation via a web browser
- Answer common questions quickly and easily



i2 Functionality – *Operational Support*

Geo-Spatial Analysis

Save time and effort, reuse valuable work Improved visualization for greater analytical capabilities

Mapping Schemes

- · Save drawings you have created
- Maintain snapshots of geo-spatial query results
- Easily recreate your map views and associate them with charts so they can be shared with other users.

Improved Chart Map Interactions

- Use a Histogram, Heat Matrix or Filter to select chart items on the map.
- Drawings or other shapes can be use to interactively select mapped chart items
- Display Icon frames and images

Drawing Tools & Layers

- Shapes drawn on the map can be edited to update their geometry.
- Individual shapes can be named and renamed.
- Reorder the display of buffer zones, drawings and chart items for improved map clarity







IBM i2 Offers Individual, Workgroup and Enterprise solutions



IBM i2 Analyst's Notebook

Powerful visual analysis tool for individual analyst (chart centric)



IBM i2 iBase with IBM i2 Analyst's Notebook

Workgroup oriented with repository for sharing and searching



IBM i2 Enterprise Insight Analysis

Enterprise wide intelligence analysis and sharing

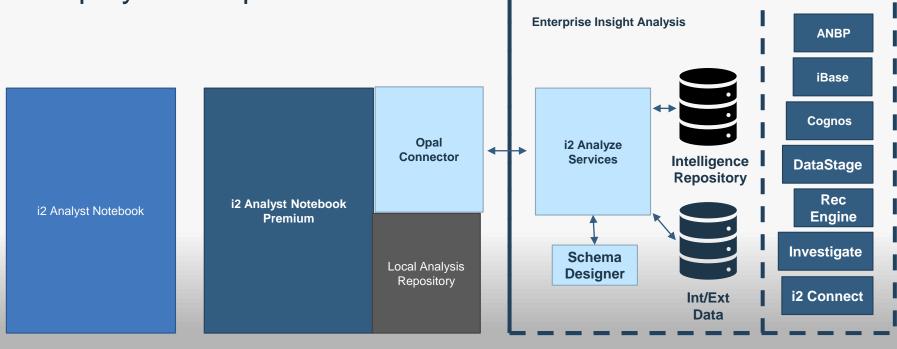
With IBM i2 Analyst's Notebook Premium includes a local repository (chart and data centric) for individual analyst

Helps an organization address:

- Overwhelming data
- An evolving user base
- Enterprise level needs

with scale, extensibility and core system improvements

i2 Deployment Options



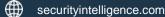
Basic Intermediate **Advanced**



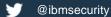
THANK YOU

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