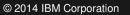
BusinessConnect

A New Era of Smart 5/28/2014

The Modern Intelligence Platform



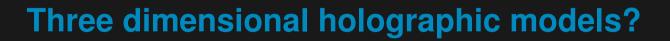
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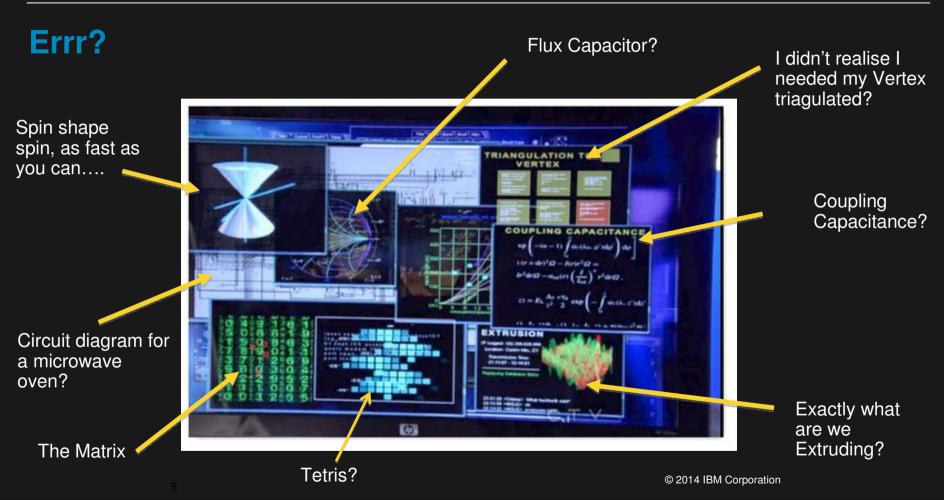
What would you expect?

Lots of arm waving?









And then back to pen, paper and a whiteboard to understand it all.....



Imagine the Challenges

Vast Amounts of Information



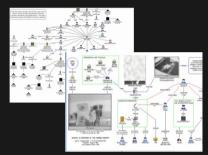
- Siloed Repositories
- Structured and Unstructured Data
- Security Restrictions
- Social Media
- Biometric
- Big Data

Multiple Applications



- Web Based
- Thick Clients
- Multiple Searches
- Manual Data Entry
- Data Duplication

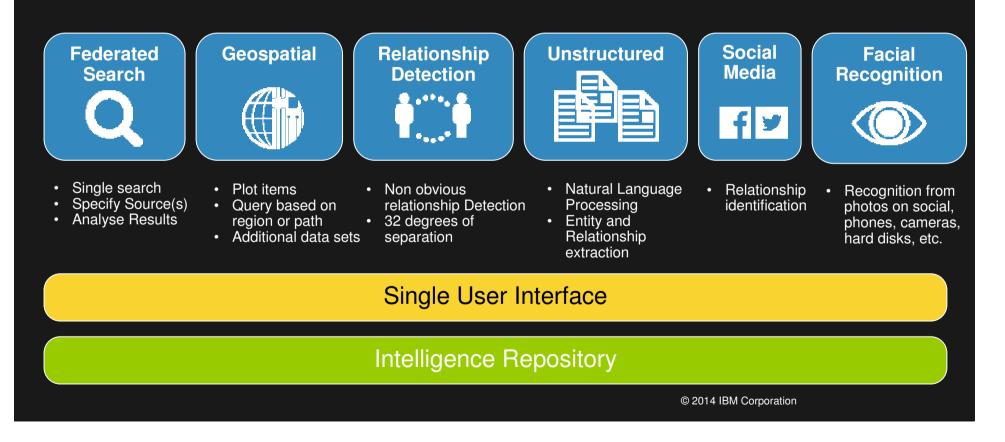
Intelligence Asset Creation



- · Entities and Relationships
- Provenance
- Temporal Analysis
- Social Network Analysis
- Geospatial
- Relationship Detection



Now Imagine the solution



Capabilities Are Used by Clients In Multiple Sectors



National Security Counter Terrorism Counter Intelligence Intelligence Analysis Border Security Cyber Risk



Defense

Establishing Civilian Structures Counter Intelligence Intelligence Analysis Target Analysis and Defense Peacekeeping Force Protection Pattern of Life Analysis Human Terrain Mapping



Law Enforcement

Tactical Lead Generation Counter Terrorism Major Investigations Organized Crime Neighborhood/ Community Policing Public Order/Major Event Management Volume Crime Fusion Centers



Private Sector

Security Investigations Industry Oversight & Compliance Cybercrime

Risk Management

Anti-Money Laundering Fraud



Government

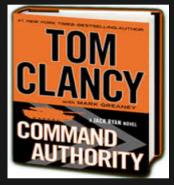
Industry Oversight & Compliance

Cybercrime

Securities Investigations

Anti-Money Laundering Fraud





He (Jack) soldiered on, and through his work on the theft of Galbraith's company he discovered that Gazprom had purchased the pieces of the Scottish-owned gas firm from a series of small foreign companies that sprang up out of nowhere to bid in the auction...To unravel it all, Ryan had a few weapons he could call on...Another tool Jack made use of was **IBM i2 Analyst's Notebook**. It was a data analysis tool that allowed him to put in all manner of different data sets, and then generate quick visual representations via graphs and charts that he could manipulate to track trends, see relationships between people in a target network, and allow himself a more dynamic way of interpreting whichever environment he was studying...Jack knew good data organized effectively was the most important commodity for any analyst.

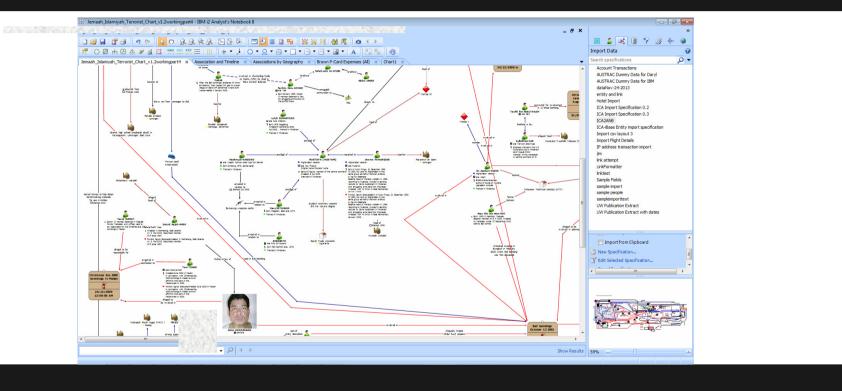
Example Scenario

- Bomb detonated damaging a main rail network
- Need to identify and capture individuals responsible
- A group has claimed responsibility





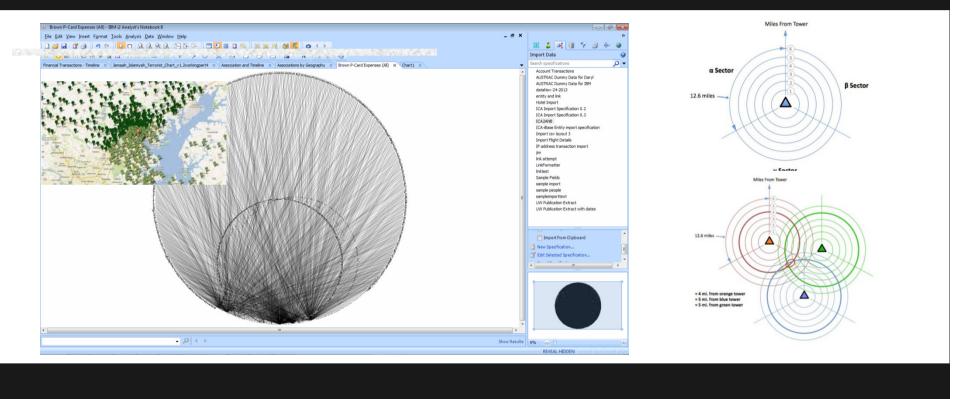




What do we know about the scene – Read through the location reports – other reports



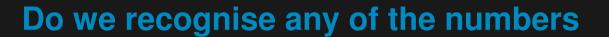
Gain information from local cell towers

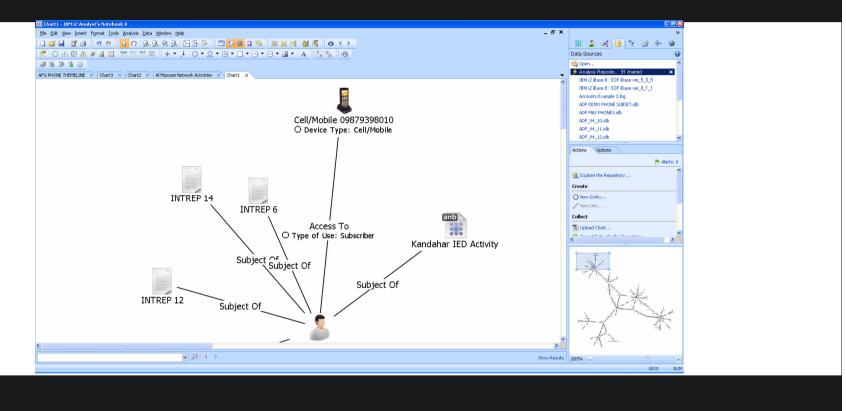




Narrow down phones in the area around the time of the explosion – Geospatial Analysis

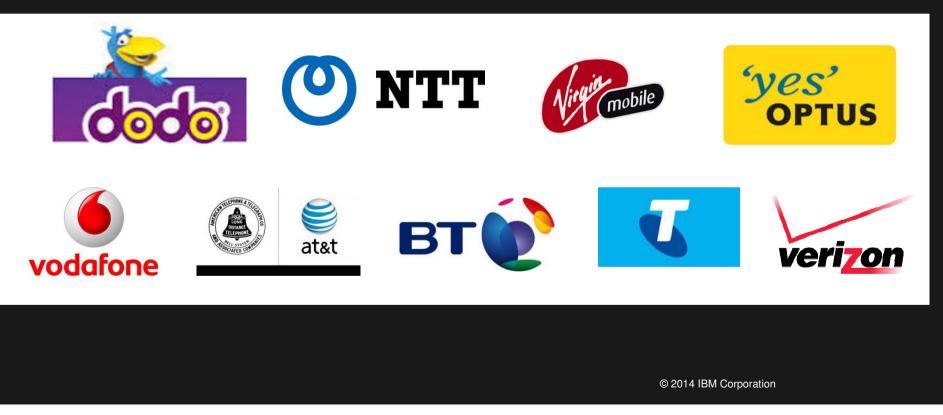
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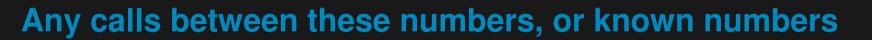


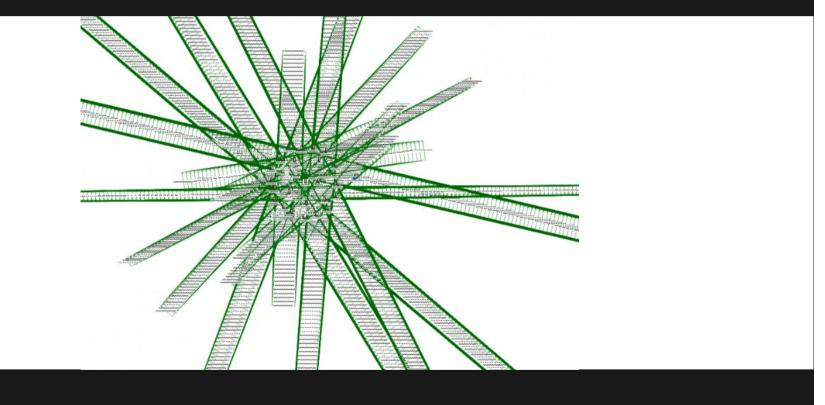




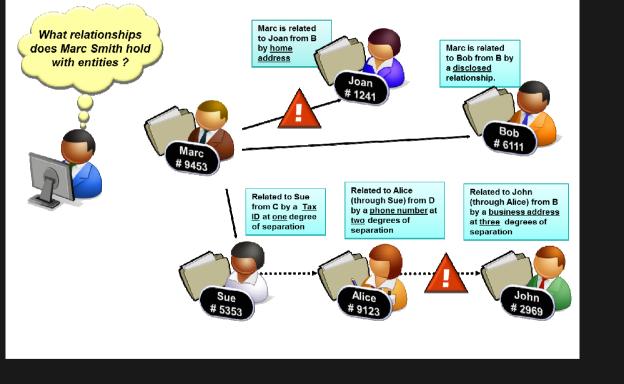
Request call logs for relevant numbers and owners from cell companies

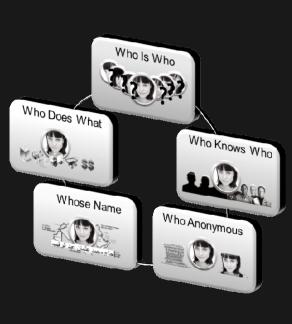






Non-obvious relationship detection

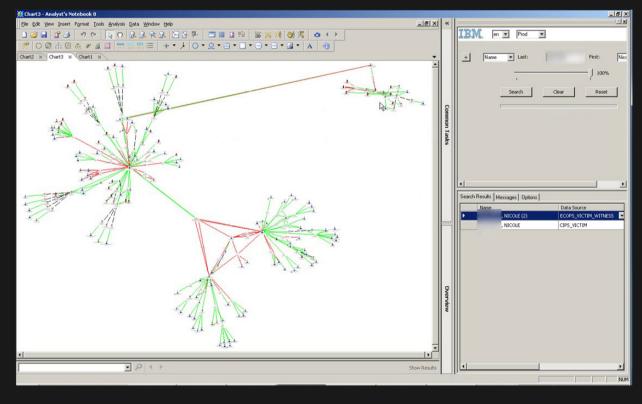








Non-obvious relationship detection





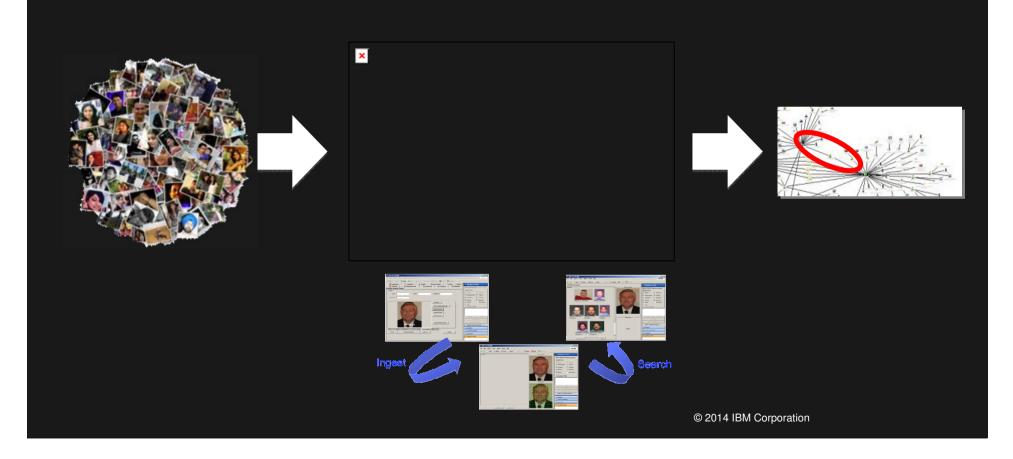
Pull in suspects – seize mobile phone – Rip off information and photographs



	Identity	Semantic Type	Representation	D V	Date	Time	Label Value	Location - City	New Attribute	^	OK
581633	011935001242581633	Telecoms	Theme Line				1.1935001242	Mazar e Sharif	Afghanistan		
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823750	011935001684823750	Telecoms	Theme Line				1.1935001684	Mazar e Sharif	Afghanistan	-	
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4247712	0119293201684247712	Telecoms	Theme Line				1.1929320168	Malakand	Pakistan		
657453	011935012323657453	Telecoms	Theme Line				1.1935012323	Mazar e Sharif	Afghanistan		
411243	011935001452411243	Telecoms	Theme Line				1.1935001452	Mazar e Sharif	Afghanistan		
382275	011935001452382275	Telecoms	Theme Line				1.1935001452	Mazar e Sharif	Afghanistan		
224477	011935001242224477	Telecoms	Theme Line				1.1935001242	Mazar e Sharif	Afghanistan		
381295	011935001452381295	Telecoms	Theme Line				1.1935001452	Mazar e Sharif	Afghanistan		
517210	011935001594517210	Telecoms	Theme Line				1.1935001594	Mazar e Sharif	Afghanistan		
300433	011935001452300433	Telecoms	Theme Line				1.1935001452	Mazar e Sharif	Afghanistan		
253108	011935001242253108	Telecoms	Theme Line				1.1935001242	Mazar e Sharif	Afghanistan		
299428	011935001684299428	Telecoms	Theme Line				1.1935001684	Mazar e Sharif	Afghanistan		
834726	011933007854834726	Telecoms	Theme Line				1.1933007854	Kandahar	Afghanistan		
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844880	011935001594844680	Telecoms	Theme Line				1.1935001594	Mazar e Sharif	Afghanistan		
522193	011935001452522193	Telecoms	Theme Line				1.1935001452	Mazar e Sharif	Afghanistan		
384323	011935001452384323	Telecoms	Theme Line				1.1935001452	Mazar e Sharif	Afghanistan		
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331181	011935001452331181	Telecoms	There Line				1.1935001452		Afghanistan		Filter
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IBM

Facial Recognition



Phone whereabouts – waypoint tracking





Pull in data from CCTV and run analysis



Motion Detection

Triggers on any motion that fits size/duration constraints





Triggers when object center passes over a virtual line



Directional Motion

Triggers when object moves in a certain of directions



Abandoned Object

Triggers when object appears in region, stops and remains still for period of time.

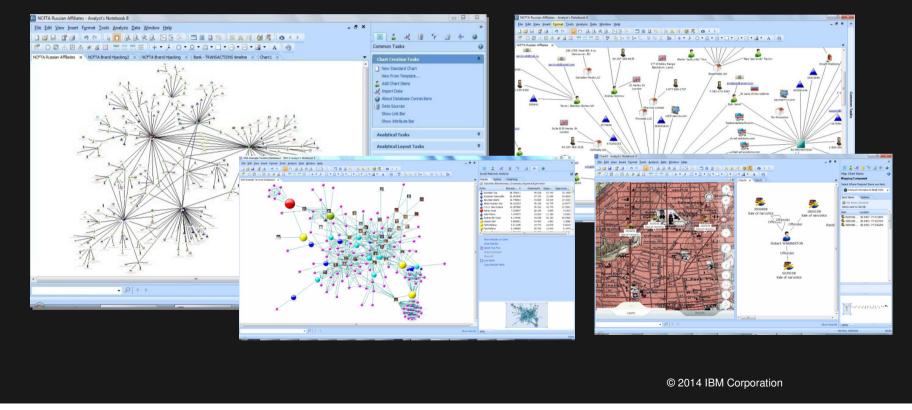


Object Removal

Triggers when object which has been still in image for long time starts to move.



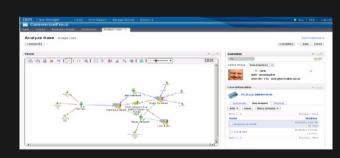
Identifies Individuals, Groups, Events, Locations, Commodities, Communications, etc. and build relationships

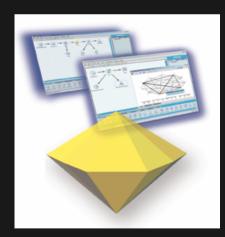




In Summary

- Accessing VAST amounts of information
- Improve productivity during investigations
- Quickly identifying non obvious relationships
- Turning Information into Intelligence
- Reduce the Analysis time cycle through to enforceable actions







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