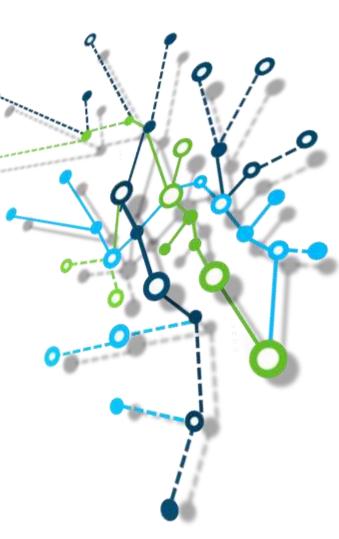
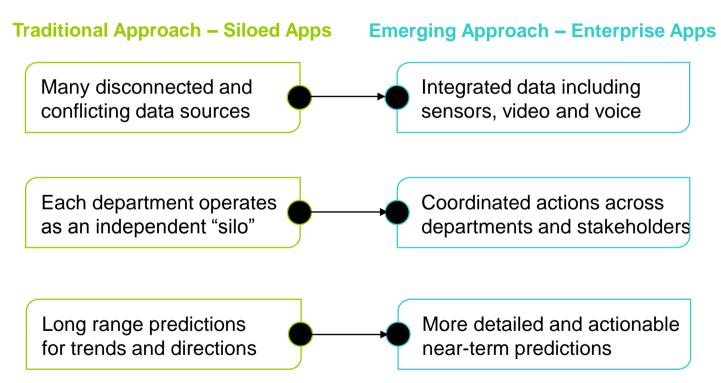
Knowledge Discovery Solutions for Defence Intelligence Organisations

Col Pradeep Bhat (Retd)
Associate Director, Govt Industry Solutions
IBM India Pvt Ltd



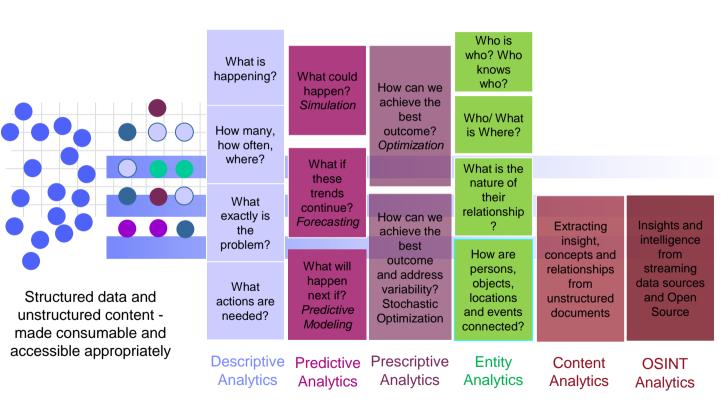
Intelligence agencies are moving along a spectrum of improvement





Analytics for Defence Intelligence





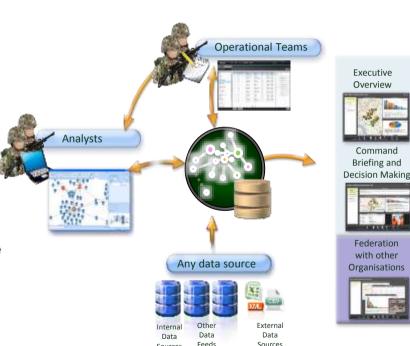
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IBM i2 Enterprise Insight Analysis for Defence Intelligence



Supports the entire Intelligence Lifecycle, from Data Ingestion to Search, **Analysis & Reporting**

- ☐ Improve current intelligence picture by processing all available data, from structured and unstructured sources
- □ Exploit shared intelligence and support collaborative working
- ☐ Reduce operational intelligence gaps for rotating units to ensure mission continuity through a common repository

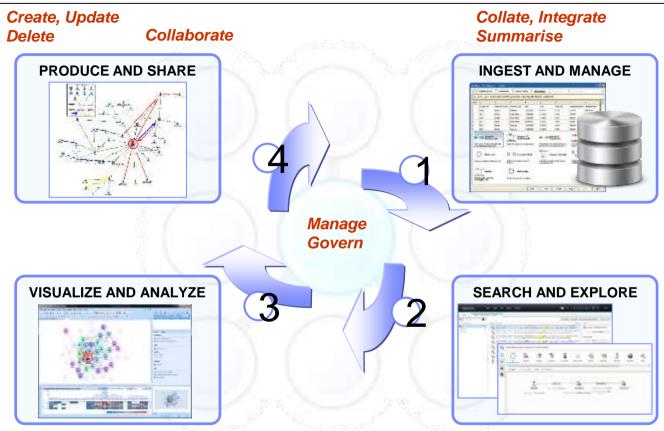


Sources

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IBM i2 EIA Platform - Key Capabilities



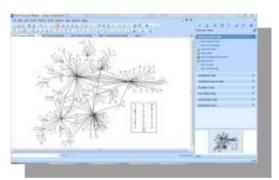


Visualise Analyse Search & Query

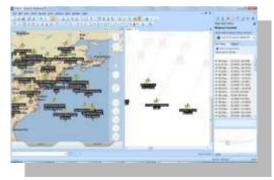
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i2 EIA - Multi-dimensional Visualisations

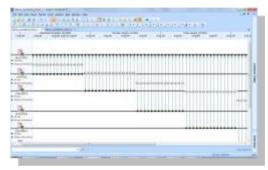




Link & Social Network Analysis



Geo-location



Transaction timelines



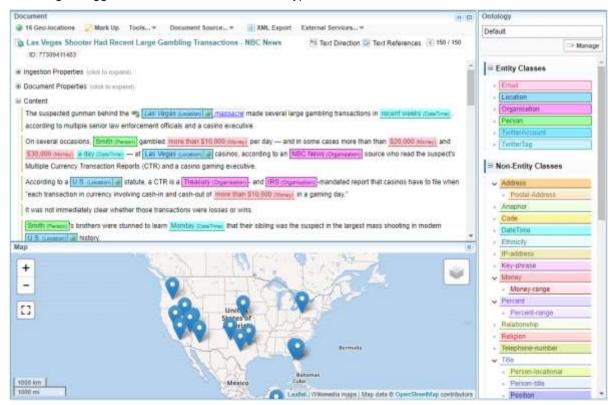
Statistical / Filtering, Histograms & Heat maps

Sintelix ANB Plugin for IBM i2 Analyst Notebook



Sintelix adds the ability to ingest and analyze unstructured data from a range of sources

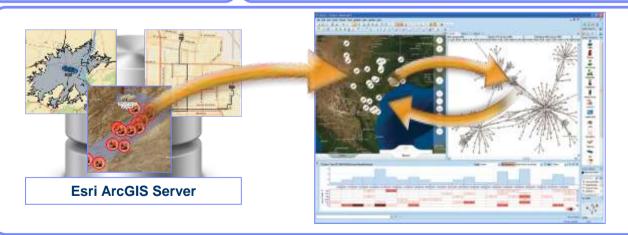
Sintelix extracts entities, relationships and properties from any text. The built-in configuration identifies people, organisations, geo-tagged locations and 24 other data types





Combining Esri ArcGIS
geospatial tools with
the intelligence
analysis tools of IBM i2
Analyst's Notebook

- IBM i2 Analyst's Notebook Connector for Esri is a plug-in to IBM i2 Analyst's Notebook
- It integrates available supported Esri ArcGIS Server services and capabilities directly in to the IBM i2 Analyst's Notebook environment
- It provides a two-way integration that allows i2 Analyst's Notebook chart data to be mapped as well as Esri stored data to be combined with chart data for further analysis





- IBM i2 Analyst's Notebook Connector for Esri integrates Esri's ArcGIS Server geospatial functionalities to the visualization capabilities of IBM i2 Analyst's Notebook.
- Enables users to perform association, temporal and geospatial analysis in a single work environment and build a detailed and robust analysis picture more quickly.





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Reduce dependencies on specialist geographic information system (GIS) analysis teams for faster response times

- Enable intelligence analysts with authorized access to perform fundamental geospatial analysis without having to depend on specialist GIS analysis teams.
- Share workload and help specialist GIS analysis teams concentrate on in-depth geospatial analysis tasks



Specialist GIS Analysis Teams





Specialized GIS Analysis



Intel. Analysis Related GIS



Intelligence Analysis
Teams





Link Analysis

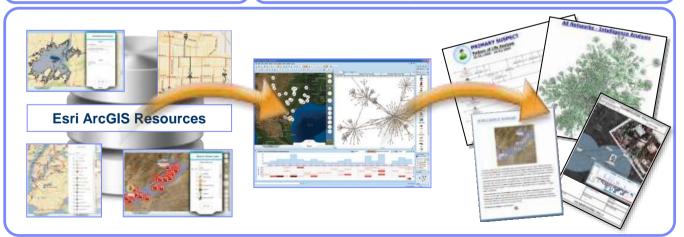


Temporal Analysis



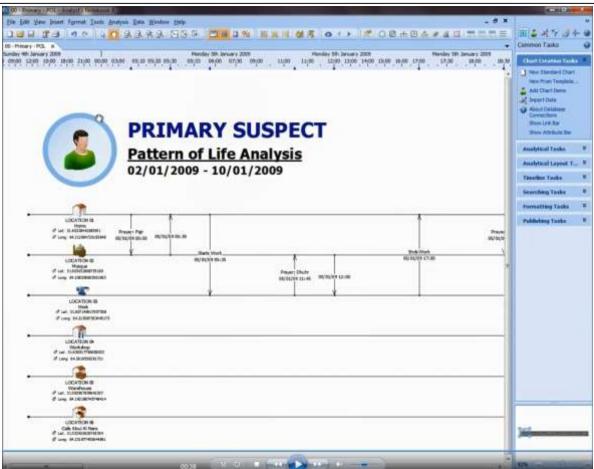
Optimize investments
made in intelligence
and geospatial
analysis capabilities
with rich GIS
capabilities

- Integrate geospatial analysis results and visualizations for more detailed intelligence products.
- Add a crucial layer of actionable information to intelligence products with geospatial intelligence.
- Add the ability to copy or save map views and insert visualizations into i2 charts, briefings and reports.
- Share geospatial analysis findings among users by saving work to mapping schemes and associating and distributing this information alongside IBM i2 charts



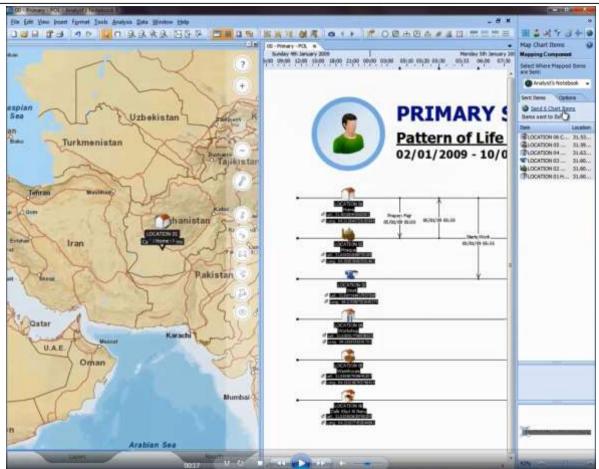
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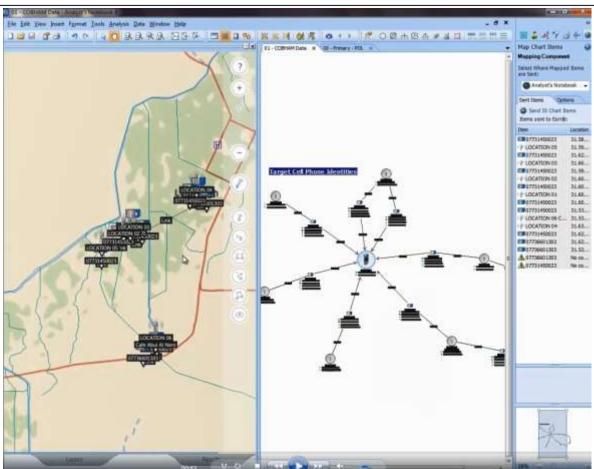
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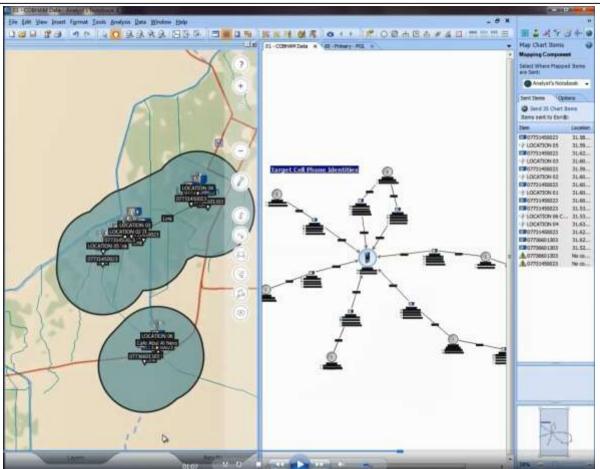


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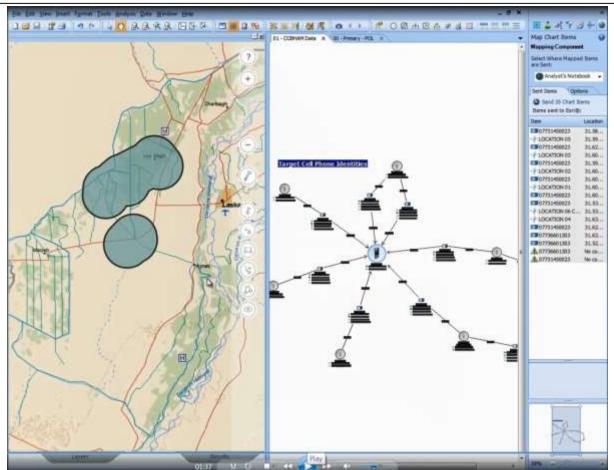






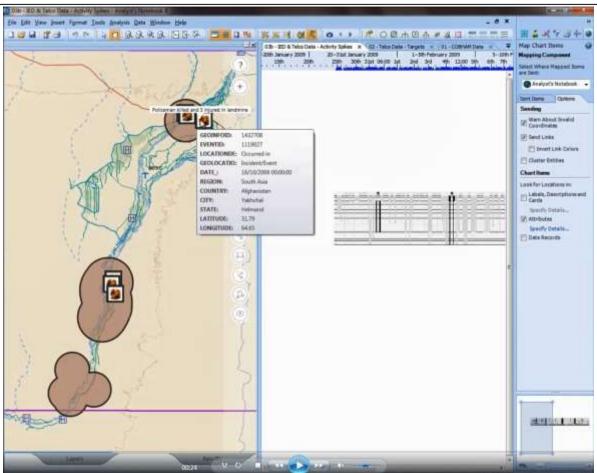






17





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Creating Actionable Intelligence



Informed

Decision Making

Çο

Intelligent Led

Operations

















Integrate everevolving data and content from many different sources

- Data Fusion
- Completeness
- Accuracy

Intelligence Lifecycle



Intelligence generation through iterative analysis and process.

- Adding Context
- Analysis
- Enrichment
- Leveraging Analytical Capability

Information

Transform data into useful, incontext information

- Searching
- Adding relevance
- Modelling
- Linking

Operational User

Operations Lifecycle

Actionable Intelligence

Dissemination

The right information, to the right people, at the right time

- Assumptions
- Cataloguing
- · Verifiable, traceable
- Provenance

VALUE

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Intelligent Operations Centre for Ops Rooms



The Situation

Predicted (Weather)

Instantaneous (explosion)

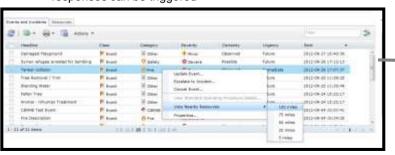


1. Information is captured and displayed by graphical and textual means to give an operational picture via the IOC



2. Integrated rules, KPIs and analytic engines can correlate events to ensure the most appropriate priorities are been managed

3. As events are captured by the IOC, automatic responses can be triggered



4. SOPs manage the situation via well trained and defined actions

Constitute 0



Thank You