

Solution Brief: DataAdapt Threat Detect

Optimize Threat Detection & Prevention

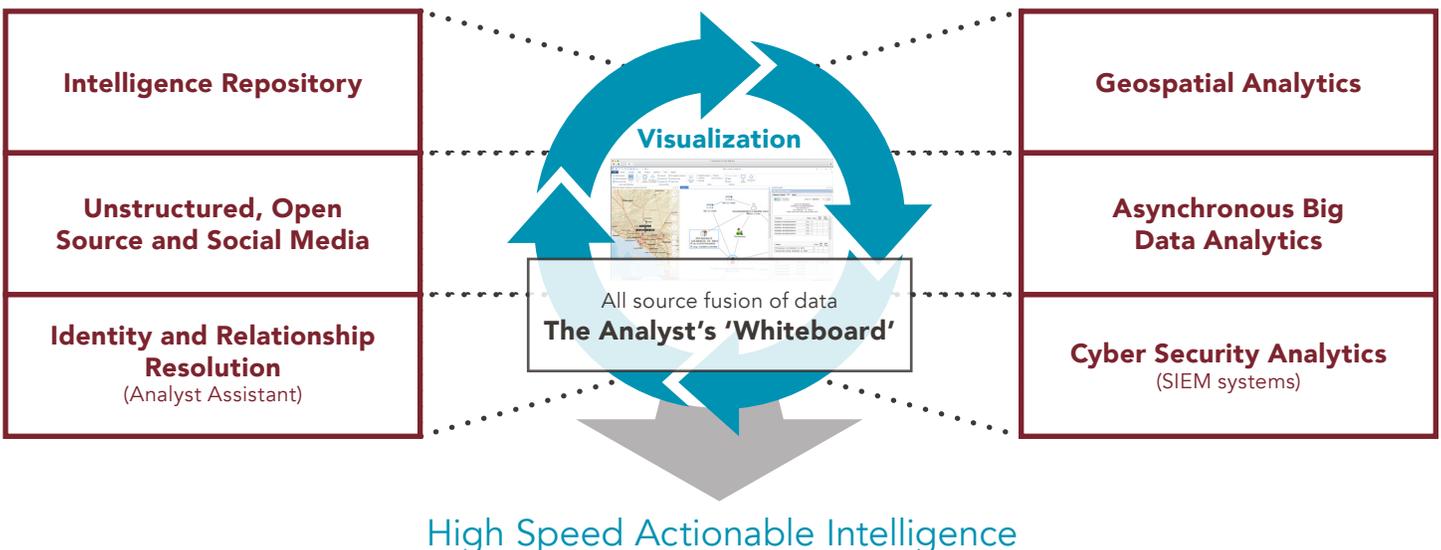
ViON has partnered with IBM to deliver the next generation of Intelligence and Insight Analysis solutions. The DataAdapt Threat Detect platform allows analysts to focus on analysis and spend less time gathering and searching for data. Threat Detect is a collection of advanced analytics applications that execute across the entire data set at speed, to manage big data and data silos while rapidly getting high-value target data and insights in front of the analyst. Data can be derived from numerous and disparate sources such as ISR platforms, ground and airborne sensors, national feeds, open source data sets, social media and other data sources. The DataAdapt Threat Detect platform provides speed-of-thought search, geospatial and temporal filtering, visualization, and advanced analytic capabilities on massive and diverse data sets containing trillions of records.

DataAdapt Threat Detect is an open standards platform built with a well-proven set of IBM software to ingest, store, analyze and visualize massive volumes of data and then intelligently send alerts based on user roles, interests, and responsibility. It is delivered fully tested and integrated onto a converged hardware platform.

Why DataAdapt Threat Detect?

- **Scalable** - Scale across the mission and operations spaces and grow with increasing data volume and sources to provide maximum mission flexibility and performance.
- **Interoperable** - Compatible with existing technology and across external agencies and coalition partners, promoting information sharing and collaboration.
- **Extensible** - Allows for the addition of complementary advanced analytics—supporting mission agility as threats and operational focus evolve.
- **Cost effective** - DataAdapt is a preconfigured, validated platform with mature market-proven components and is delivered with world class enablement, minimizing the need for onsite engineers.
- **Speed to Value** - Reduce deployment times from months to days to perform advanced analytics on big data volumes with speed.

Enterprise Insight Analysis (EIA) - Solution Overview



DataAdapt Threat Detect Capabilities

The DataAdapt platform accelerates the speed to value of big data analytics with a converged, pre-configured hardware and software stack that can be deployed as a solution or as-a-Service. We've invested the time and resources to create a fully validated, tested and ready-to-deploy data analytics platform, so you don't have to. DataAdapt Threat Detect provides the following intelligence and insight analysis capabilities:



FULL ATTRIBUTION: Achieve greater accuracy with an entity resolution and analytic engine that accumulates a history as opposed to a snapshot of each individual or company in the database over time.



RELATIONSHIP RESOLUTION: Identify and compare non-obvious relationships between addresses, phone numbers, e-mail addresses, and other characteristics discovered and linked across multiple individuals.



LINK ANALYSIS: Analyze, visualize, and extend these relationships - building complex structures, revealing the hierarchies and methods of operation employed by criminal, terrorist and fraudulent networks.



REAL-TIME CHANGES: Compare identity records to the database upon receipt to determine if they resolve an existing record, are new, or require updating an existing record.



SELF-HEALING AND SELF-CORRECTING: Automatically examine and update any entity in the repository that would be affected based on new observations.



AUTOMATIC REAL-TIME ALERTING: Automatically check against existing information and generate alerts, allowing for detailed analysis of involved parties as new data is ingested.



GLOBAL NAME RESOLUTION: Apply linguistic rules to find matches through cultural context via patented IBM technology.



BEHAVIORAL AND PATTERN ANALYSIS: Uncover coordinated activities and patterns that provide the capacity to anticipate a pending threat event via deep data mining and statistical analysis.

About ViON

Designing and implementing innovative solutions that meet dramatically changing IT requirements is ViON's mission. With over 37 years experience, we've grown from a small product reseller into a leading systems integrator. We focus on data management, so you can focus on your organization's success. We're on the leading edge of Information Security, Cyber Advanced Analytics and Cloud.



To learn more, go to www.vion.com/datadapt or email us at info@vion.com

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