



ARKHOS *powered by IBM i2*
Advanced Forensic Analysis Appliance

ARKHOS® *powered by IBM i2* Predict, preempt and disrupt criminal activities

ARKHOS is the state-of-the-art forensic case management solution for Special Investigation Unit. The ARKHOS rapid-deployment framework is built on predictive and event-based alerts with decision management to automate triage and workflow. Analysts, Investigators and business leaders can gain insights from powerful visual and geospatial capabilities including automated identity resolution, unstructured content analytics, social network intelligence, TLOxp, NICB* alerting, and DHHS alerting. All of this in a seamlessly integrated platform.

Discover hidden patterns and relationships in data with advanced forensic analytics, at speed and scale

ARKHOS integrates advanced entity analytics with sophisticated recognition algorithms optimized to help predict and preempt criminal activity at near real time

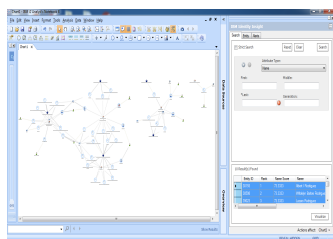
ARKHOS leverages advanced algorithms specifically optimized to recognize nefarious individuals and organizations in spite of their sophisticated attempts to mask their identities, their unscrupulous relationships, and their activities. By examining relevant individuals, their relationships and their actions, ARKHOS enables a comprehensive picture of who a person is, who the person knows, and what the person does

Who is Who – Identity Resolution - By accumulating identity context over time, ARKHOS uses various enterprise sources of information to determine whether individuals really are who they say they are. Entity resolution technology looks at these attributes across time to help ensure the most accurate identity, and determines if a previous assumption should be corrected based on new facts.

Who knows Who – Relationship Resolution - Once accurate identity is established, complex relationships can be uncovered. ARKHOS processes resolved identity data to determine whether people are, or ever have been, related in any way.

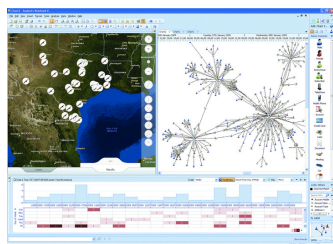
Who does What – Complex Event Processing - Having the knowledge of "who is who" and "who knows who" well established, ARKHOS then applies complex event processing to evaluate all transactions of the entity, and optionally, of associated entities. This sophistication allows ARKHOS to discover well-concealed fraudulent and criminal activities. This process is designed to mine the overall information landscape in real time, bringing to light all of the associations and occurrences involving the same person or a group. If a questionable situation or pattern is detected, the system proactively generates alerts.

ARKHOS enables analysts and investigators to detect and disrupt criminal activities through advanced discovery and forensic investigation mechanisms, where all analysts can share and collaborate actionable intelligence in near real time



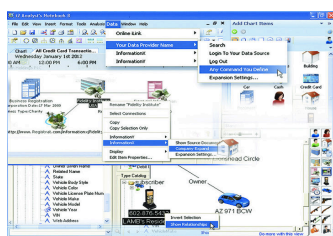
Identity Resolution

Developed and engineered with over 20 years of analyst input, Identity Insights delivers a powerful multidimensional visual analysis environment that helps users simplify complex networks, and detect non-obvious relationships and patterns. It also features a powerful recommendation engine that provides “assisted analysis” by reconciling duplicate entities masked by aliases and enabling users to set alerts to proactively track new and critical information — all 24x7.



Geospatial Capabilities

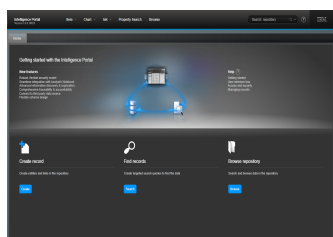
ARKHOS adds geospatial analysis to the capabilities of IBM i2 Analyst's Notebook by integrating with ESRI's ArcGIS Server geospatial functionalities. It enables users to perform association, temporal and geospatial analysis in a single work environment and build a detailed and robust analysis picture more quickly. IBM i2 Analyst's Notebook Connector for ESRI improves the timely delivery of rich, actionable intelligence, including critical “who, what, why, when and where” analysis.



NICB* & DHHS Ready

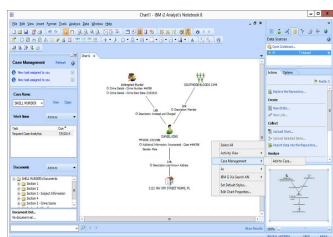
ARKHOS is ready for NICB* and DHHS data ingestion through its built-in data federation framework. It works in near real time with Identity resolution in order to provide analysts with actionable insights on counter fraud events. ARKHOS also uses NICB and DHHS alerts to proactively identify data matches across multiple data sources such as SIU, claims and policies.

** NICB Ready feature is only available for Insurance SIU members of NICB. Please contact ARKHOS team for more information*



Intelligence Analysis Portal

ARKHOS Intelligence Portal is an enterprise intelligence analysis environment that facilitates information sharing and intelligence production with the flexibility of both web-based and rich desktop clients. It accelerates analysis of large volumes of data through an extensible, service-oriented environment designed to integrate into your existing enterprise infrastructure. It supports operational analysis and improves situational awareness by providing faster, more informed decision making across and inside organizations.

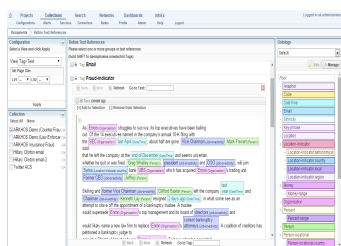


Case Manager for Investigators

ARKHOS Case Manager for Investigations leverages the capabilities of analytics to deliver timely and actionable investigative results for any type of environment, including mobile. It is ideal for law enforcement, public safety and intelligence scenarios. Case Manager for Investigators is also used to address internal investigations, mergers and acquisitions, as well as risk assessment. With the ability to access to a wide range of information and analytic data, this solution ensures that investigations are completed efficiently and on a timely basis while adhering to corporate policies, regulations and industry standards.

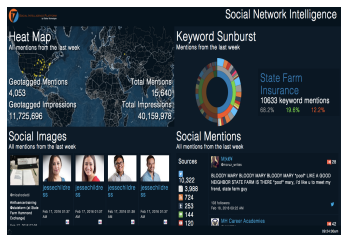
Cost-effective solution that supports actionable intelligence

Entity resolution and analysis platform for fighting fraud threats both tactical and strategic



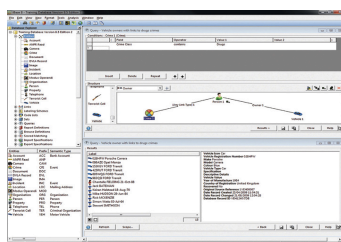
Unstructured Data Analysis

ARKHOS Content Analytics is a powerful analytics solution that helps organizations extract, aggregate, analyze and visualize massive amounts of information to expose unique insights. ARKHOS unstructured data analytics component automates difficult information capture by providing information extraction, entity extraction, relationship extraction, contextual geotagging, cluster detection, document normalization across multiple data sources, delivering actionable intelligence for criminal investigations. It integrates OCR (optical character recognition) and supports more the 1300 file types in multilingual content.



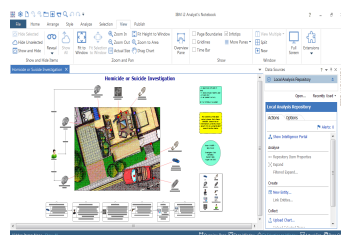
Social Intelligence

ARKHOS Social Intelligence monitors and collects social networks data across the globe in 53 languages providing your organization the ability to hear, investigate and react. Our Adaptive Listening Engine not only lets you create rules that trigger events within ARKHOS, but track sentiment analysis based on the contextual keywords. The investigative feature allows an investigator to discover connections of individuals network associations with multiple degrees of separation on Facebook, Twitter and Instagram.



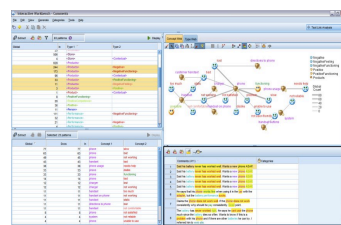
Comprehensive Data Repository

ARKHOS iBase is an intuitive intelligence data management application that enables collaborative teams of analysts to capture, control and analyze multisource data in security-rich workgroup environments. It addresses the analyst's daily challenge of discovering and uncovering networks, patterns and trends in today's increasing volumes of complex structured and unstructured data. It provides a multiuser data sharing environment that combines rich analysis and visualization capabilities with dissemination tools.



Advanced Link Analysis

ARKHOS Link Analysis is a rich, data-centric visual analysis environment designed for analysts and investigators. It combines analysis tools, visualization and dissemination capabilities. It helps analysts and investigators overcome the multitiered challenge of discovering networks, patterns and trends within increasing volumes of structured and unstructured data. It provides modern centric user experience across ARKHOS features and components.

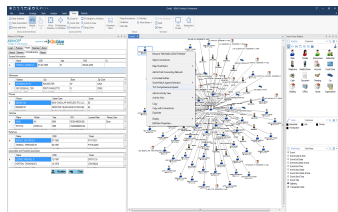


Predictive Analysis

With ARKHOS embedded predictive modeler you could get more sophisticated insights from your data and predict what will happen next. With predictive and advanced analytics, you can use statistical analysis, data and text mining, and predictive modeling to proactively find opportunities, improve efficiency and minimize risk. The SPSS predictive modeler enables you to efficiently analyze information and deliver comprehensive results from hidden relationships in your data and anticipate the outcomes of future interactions.

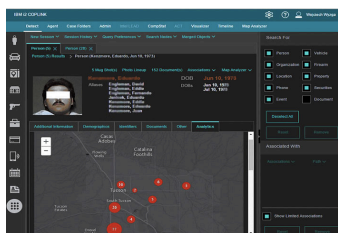
Supports unlimited number of internal and external data sources

ARKHOS strategic alliances brings unmatched value to the solution



TransUnion TLOxp Integration

ARKHOS TLOxp provides real time direct access to TransUnion TLOxp data base with a variety of features including generic and comprehensive searches for people and business as well as all related entity's assets, demographics, associates, properties, links, relationships with expansion to multiple degrees of separation and much more. This feature allows analysts and investigators to bring data directly to i2 Analyst's Notebook dashboard and apply all filters available as well as share, collaborate and store data to the Intelligence Repository and perform advanced searches using Identity Resolution.



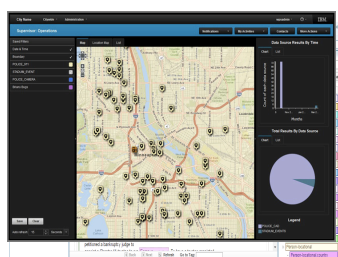
RMS and Crime Center Ready

ARKHOS is ready for RMS data ingestion through its built-in data federation framework. It works in near real time with Identity resolution in order to provide analysts and investigators with actionable insights. ARKHOS also uses public records and LEA records in order to generate alerts to proactively identify data matches across multiple data sources.



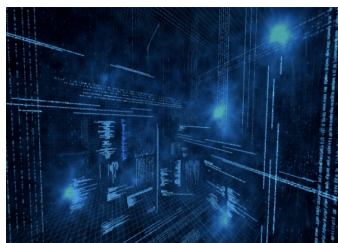
Cyber Security Intelligence

QRadar is a powerful platform consolidates log source event data from thousands of devices endpoints and applications distributed throughout a network. It performs immediate normalization and correlation activities on raw data to distinguish real threats from false positives. QRadar SIEM can also correlate system vulnerabilities with event and network data, helping to prioritize security incidents. Some of its critical components are: log management, SIEM, vulnerability manager, network activity collectors, risk manager and incident forensics.



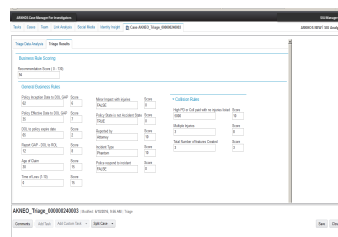
Intelligence Operation Center

ARKHOS Intelligent Operations Center helps government leaders manage complex city environments, incidents and emergencies with a city solution that delivers operational insights. It offers integrated data visualization, near real-time collaboration and deep analytics to help city agencies enhance the ongoing efficiency of city operations, plan for growth and coordinate and manage response efforts. ARKHOS Intelligent Operations Center provides integrated maps, online dashboards, customizable reports, multiple analytic algorithms, interactive standard operating procedures and other tools for improved city operations and incident or emergency response



Deep & Dark Web

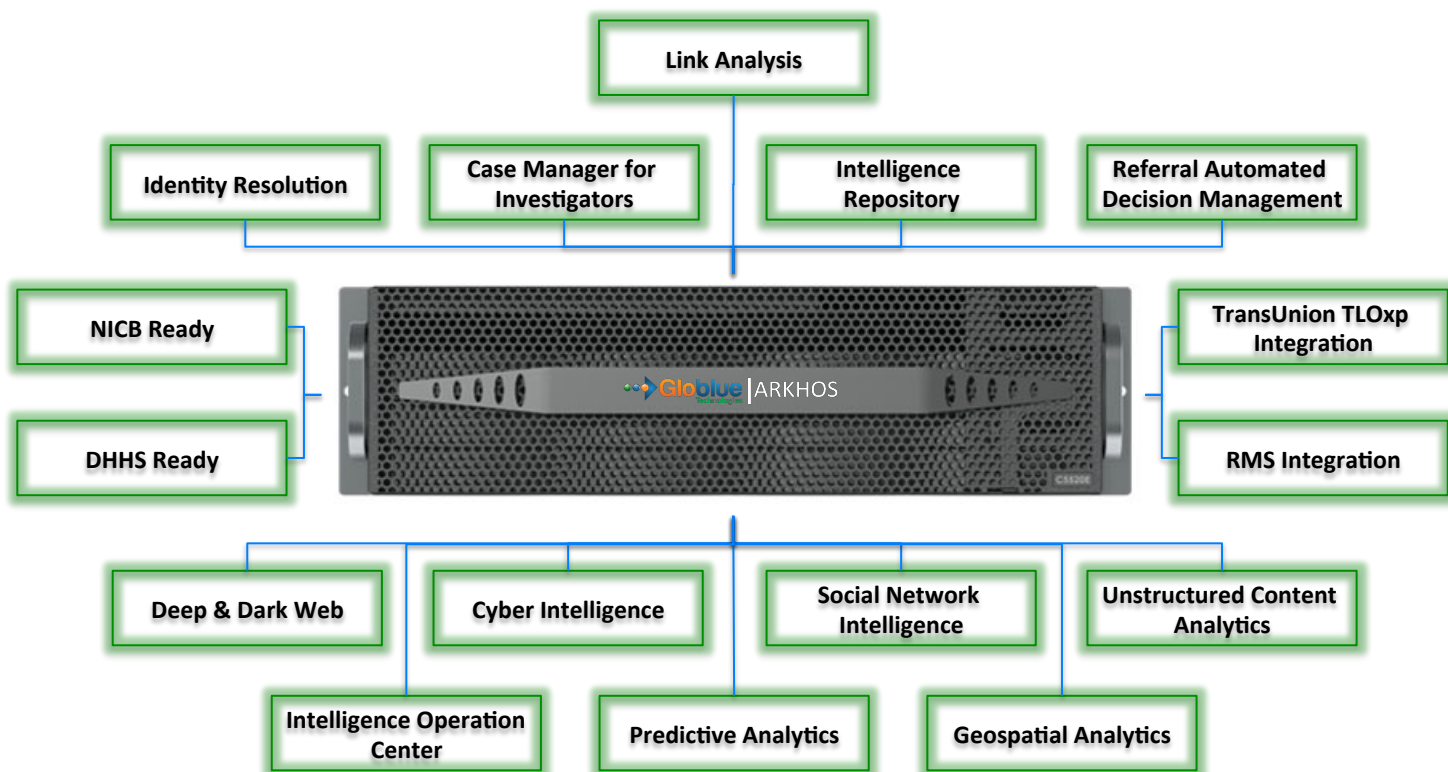
Deep & Dark Web monitoring and advanced searches are available on ARKHOS. With such unique data, our partner's subject matter experts produce a robust intelligence service focused on the online channels where malicious actors operate. With a combination of automated and eyes-on monitoring, this service provides tactical and strategic intelligence on threats, both potential and actualized, emanating from threatening online communities. Monitoring is performed in a variety of languages, including Arabic, Mandarin, Farsi, Turkish, Spanish, French, and Russian. English translations of relevant material are provided so that customers can make informed decisions based on primary source data, rather than mere summaries.



Referral Automation & Decision Management

ARKHOS referral automation engine provides superior performance for your intake unit by automatically applying business rules directly to the referral claim data, developing a triage score and providing an additional layer of review in near real time. This process empowers the end user to improve the decision process on claim referral acceptance while providing meaningful feedback to the referring adjuster. Overall referral automation improves efficiency and results of reviewing claim referral for potential investigation.

ARKHOS® Enterprise Features



ARKHOS® Appliance Product Family

Private Sector Solutions

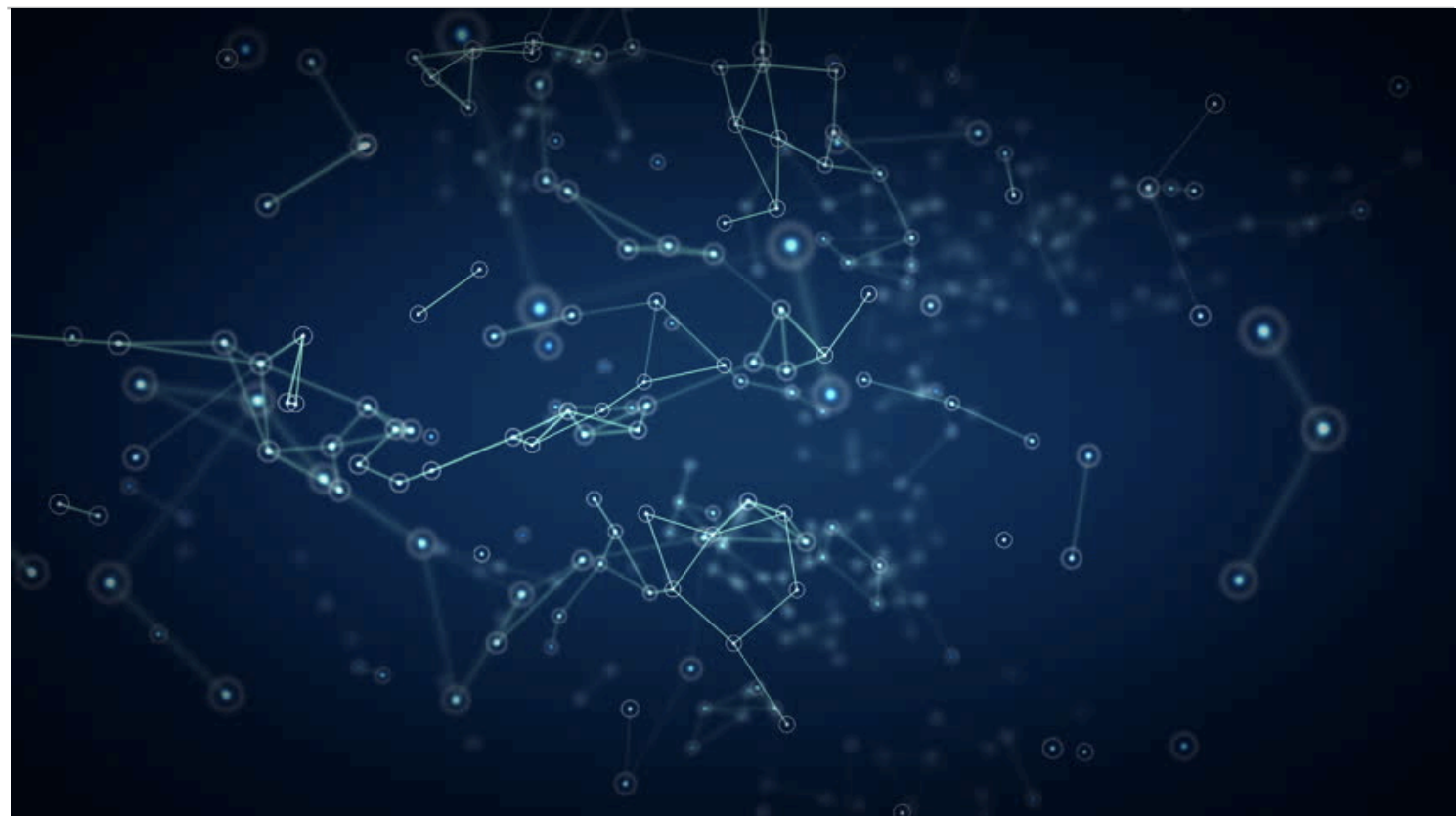
Insurance, Banks and Private Organizations

ARKHOS® Analyst Core
 ARKHOS® Analyst Advanced
 ARKHOS® Forensics Analysis
 ARKHOS® Enterprise Counter Fraud
 ARKHOS® Enterprise Cyber Security
 ARKHOS® SIU Consulting Services

Government Solutions

Law Enforcement, Intelligence, Defense & Cybersecurity

ARKHOS® Analyst Core
 ARKHOS® Analyst Advanced
 ARKHOS® Forensics Analysis
 ARKHOS® Enterprise Counter Fraud
 ARKHOS® Enterprise Cyber Intelligence
 ARKHOS® Enterprise for Counter Terrorism
 ARKHOS® Enterprise for Law Enforcement
 ARKHOS® Enterprise for National Defense
 ARKHOS® Enterprise for Intelligence
 ARKHOS® Fusion Center Platform



Globlue Technologies
Headquarter | Houston Texas | USA
(832) 460 6474



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