

High Speed Fiber Traffic Analysis

Vehere IntelliWorker IM is a High speed fiber solution that Capture, index, record and analyze terabit-rate data-streams to identify & track nation/state adversaries.

As governments and business increasingly rely on communications technology on all fronts, there is a growing dependence on the communications industry to deliver cyber solutions that can generate intelligence and increase security across a widening array of network architectures. And, with traffic volume skyrocketing with no end in sight over intercontinental submarine networks and emerging 5G mobile networks, the task of finding advanced threats is the cyber equivalent to searching for a needle in a haystack.

IntelliWorker IM works on advanced automation technique for accessing big data carried over large scale optical transport networks. A unique blend of network survey and intelligent traffic intercept functions with high performance all optical switching technology to produce instant access to thousands of individual fibers for monitoring and analysis.

IntelliWorker IM can provide comprehensive optical network analytics, both real-time and historical, using metadata extracted across the entire transport network. These analytics can be combined with analysis of individual IP flows to form a threat detection algorithm that accesses a much wider and deeper set of information for finding network anomalies and enables more intelligent network security decisions.

KEY BENEFITS

Integrated all-in-one tactical and petabyte scale strategic solution with intelligent content management

Seamless interface for full life-cycle investigative support, in-built case management

Uses Artificial Intelligence to discover hidden inferences in IP data

Derive Actionable Intelligence

Efficient investigation Management

KEY HIGHLIGHTS

- Real-time traffic classification for over four-thousand protocols, applications and their service types such as communication, data or, file-transfer
 - Automates scanning of communications cables to generate network information across hundreds to thousands of optical fibers.
 - Adapts to user workflows with integrated case-management for accumulation, classification and, dissemination of insights to working groups.
 - Detection of devices behind routers using NAT
- including smartphones using mobile tethering. Advanced fingerprinting techniques to identify entities in high-speed communication.
- With solutions from integration partners, buyers can now cycle through hundreds, or even thousands, of optical fibers to survey the network effectively identifying key signaling attributes and enabling faster decision for surveillance.
 - Scale where needed benefiting from the modular nature of the architecture to preserve continuity and assist with expansion when needed.

DIFFERENTIATORS

Leverage our world-class Engineering Services to deal with unknown protocols/applications by consuming SLA driven delivery.

Targeted or mass monitoring with control over the information you need to build relevant insights and use-cases leveraging RBAC, customized dashboards and, workflow.

Augment human efforts by leveraging automation to deliver predictable outcome to investigations.

ABOUT VEHERE

Vehere builds intelligent and active solutions for real time Cyber Situational Awareness which forms the core component of Enterprise Cyber Defense and Homeland Security. Harnessing the power of advanced Big data Analytics, Artificial Intelligence (AI) and Machine Learning (ML), Vehere's Cyber Situational Awareness solutions have acquired a high level of efficiency, to effectively reduce the risk of a breach and to proactively defend against threats.

Book a Demo of IntelliWorker IM

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