

Who We Are

Canfield CyberDefense Group assists government and commercial clients in managing and mitigating cybersecurity insider threat detection and prevention, and risk management software product solution, configuration compliance, and real time network threat alerts while preserving critical networks and data for sustained business operations. This software integrates artificial intelligence (AI), reasoning and machine learning technology.

Cybersecurity Software Offerings



CanSecure: Systematically manage enterprise risk through active penetration and vulnerability testing, forced configuration compliance, and operational enterprise awareness to make best informed security decisions.

- Guarantees network system non-vulnerability through the use of open-source and closed-source applications
- Employs "White Hat" methods such as DAST, SAST, and eLearning across entire software SDLC lifecycle
- Identifies gaps between the original baseline or Point-in-Time (PIT) with the desired baseline
- Understand the actual state of IT assets through management reports and custom dashboards



Cogniscenti: Enterprise-wide, heterogeneous environment, continuous monitoring diagnostic and mitigation software solution protecting mission-critical enterprise assets, IT enterprise infrastructures and valued business data.

- Continuously evaluates a broad spectrum of IT assets by tracking and monitoring configurations and security changes
- Inspects heterogeneous environments on Cisco, Unix, Windows, VMware, MacOS, KVM, Linux and storage systems
- Evaluates current-system-state with Delta Time comparative analysis ensuring security and real-time breach response
- Surveils networks through autonomous remote sensors when the network is active, down, or disconnected



NeTERS: Network Traffic Exposure & Surveyor tool broadcasts network traffic weather patterns and reports anomalies

- Quickly collects and instantaneously identifies new devices plugged into the Wide and Local Area Network structures
- Vigilantly monitors network traffic using a wide variety of industry available tools such as NETFLOW and NTOP
- Detects any out-of-profile traffic patterns and generates network traffic data for an easy-to-read GUI-based dashboard.
- Offers advanced network protection providing an inside-out approach going beyond current perimeter defense models.



SMART LogAnalyzer (SLA): Delivers vulnerability assessments and insights to support Information Assurance assessments

- Collects and processes device logs using HDFS cloud storage system (Cloudera) to reduce cost to start and grow data
- Delivers a comprehensive repository of system and device logs permitting innumerable source log correlations
- Presents complete insight into user movements to give awareness to guard and protect key information assets
- Add-on Threat Analyzer Module hunts for dataset relationships to identify strengths, weaknesses and vulnerabilities

Innovative, Integrated Cybersecurity Solution



Phen: An artificial human intelligence that offers knowledge representation, inductive reasoning and security action with supervised and unsupervised learning capabilities to detect intrusions in a real time, continuous monitoring and alerting network system.

- Goes beyond machine learning by integrating entire suite of software products for strong artificial network intelligence
- Provides cognitive analytics, continual diagnostics and attack mitigation for independent, rapid and accurate decisions
- Employs inductive reasoning to create facts about the data environment and proactively alerts on risk probabilities
- Significant performance gains by reducing breach discovery from a 220 day industry average to just under 15 minutes

Current Clients

- Department of State
- National Archives
- Census Bureau
- General Service Administration
- U.S. Army
- Defense Information Systems Agency
- Nuclear Risk Reduction Center
- U.S. Intelligence Community
- The Joint Pathology Center

Contact

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