Defensive Cyberspace Operations
Cyber and Information Solutions

SECURITY MONITORING INFRASTRUCTURE SYSTEM (SMIS)

Protect and Defend the Network. In cyberspace operations, accurate data and timely situational awareness are critical. Effective strategic planning, operational decision-making and executing the right tasks at the right time depend on it.

Traditionally, cyberspace defenders spend the majority of their time locating the data they need, leaving little time for analysis and decision-making. Time is short and the stakes are high.

Now, the Boeing Security Monitoring Infrastructure System (SMIS) can integrate up-to-the-minute, security situational data easily, resulting in better situational awareness in less time.

SMIS has the ability to manage the highly dynamic, real-time security of an extensive worldwide infrastructure. It is an end-to-end solution that provides the right data when you need it most, a state-of-the-art cybersecurity defense system.

Comprehensive Network Security Tool Suite
SMIS provides a comprehensive, pre-integrated security monitoring solution, encompassing network sensors, data collection, correlation, data and event storage, incident handling and report generation, that is ready for large, diverse network deployment.

- Fully integrated, continuous data capture of all packets on a network
- Passive monitoring, inspection and recording of all IPv4 and IPv6 network traffic
- Seamless integration of data into security handling workflow
- Integrated network traffic analysis and search capabilities
- Unique alerting capability due to comprehensive, real-time, multi-input data correlation
- Real-time and post-event deep-packet inspection, analysis and forensic capabilities
- Extensive data collection and storage capability for historical data trending
- Passive detection and assessment of all nodes and activity on the network
- Automatic behavior anomaly detection and an algorithmic correlation engine
- Single graphical user interface (GUI) to monitor and analyze all security-related events
- Secure web browser access to all functions/features
- Thin-client architecture requires no client software

Secure the Network
The SMIS tool suite benefits users by allowing them to effectively monitor a network, immediately detect anomalies and outright attacks, quickly analyze and pinpoint threats, and take steps to neutralize them. Users will be able to:

- Increase critical awareness of threats to networks
- View the security health of the network in real-time
- Quickly aggregate security-specific network monitoring data
- With just a few clicks, access event-triggering raw packets
- Detect, correlate, alert, analyze and respond to zero-day attacks in real-time without additional rule writing or software updates
- Automatically analyze and correlate event data to generate security alerts
- Prosecute security events without manually scouring event lists, log files and packet traces
- Track an attacker through the network in real-time
- Save time and money, and protect the network

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