

NETWORK MANAGEMENT



Central monitoring and administration of multi-vendor network environments requires individual network management tools. GuardStack Management provides a single operations console for complex, multi-vendor networks which enables operators to have a holistic view of their heterogeneous network. It also offers operators the opportunity to build Network Management Cyber Defense (NMCD) architectures to support Network Operation Center (NOC) and Security Operation Center (SOC), offered as a managed service for centralized and decentralized networks.

REAL-TIME SECURITY

Built upon 25 years of industry experience, GuardStack Management is a field-proven, trusted and widely deployed network monitoring system which meets all standards for highly effective network administration. It features a unique bundle of properties including Auto-Discovery which not only automatically detects and discovers individual manufacturers, but also specific models and their components. The system is capable of achieving a 100% detection success rate. Collected data can also be used for inventory & asset management.

The Class-Database (DB) offers a uniform menu structure for all the different components, which significantly simplifies network administration. Product Specific Modules (PSMs) enable live monitoring of all network components via SNMP. This gives the administrator visual access to the components in use and supports the user help desk with real-time network awareness during trouble-shooting. User authentication is encrypted and stored in the database and made available as and when required. Specific network groups can also be configured automatically by function with all information normalized for the end user. Information is displayed in the same form factor, independent of methods used to collect the information for the CMDB.

KEY FEATURES



Network Monitoring



Intelligent Hierarchy Mapping



Automation in Defined Groups



Advanced Alerting System



Real-Time Analysis with PSM Support



Normalization across Multivendor Environments



Intuitive & Responsive Web-UI



Manufacturer Independence due to Class-DB



NETWORK PERFORMANCE

Centrally managed policies (a threshold set for different network components) typically cannot be implemented in a heterogeneous network landscape. Thanks to its normalized data model, GuardStack Management is able to independently distribute centrally created policies (e.g. for port status, CPU, memory utilization or temperature ranges) to various network components by executing the uniform specifications in the background with the translated Class-DB.

In order to give customers quick and user-friendly access to recorded and evaluated data, GuardStack Management contains an intuitive and direct World Wide Web User Interface. This provides interoperability in various operating systems and current browsers. A user interface for smartphone operation is also supported.



TECHNICAL DETAILS

- Central console
- Monitoring and control of all network and system connections with SNMP support
- Protocols used: SNMP (v1, v2c, v3), TCP, HTTP, HTTPS, WMI
- Discovery and topology of the complete network landscape in the closed and logical structure, as well as VLAN information
- Signal path analysis enables a problem to be solved quickly (especially for VoIP applications)
- Monitoring and analysis of events and performance
- Availability and performance at network service level
- Availability and performance at system service level
- More than 500 preconfigured product-specific modules (PSM) for topology and mapping of device-specific properties
- Central configuration (provisioning) of network components of the various manufacturers
- Multi-user and multi-site capable for central, cross-location monitoring
- Drilldown visualization and monitoring of cascaded networks (NOC operation or managed service for service providers or large customers with reasonable branches)
- Freely configurable alarms
- Reporting of missing votes and frequency of errors
- Service level analysis of responses and performance assessments of configurable service level rules
- Integration into ITIL-compliant IT service management to follow the requirements of Configuration & Change Management according to ITIL
- Short implementation time or due repair work, faster ROI

ABOUT GUARDSTACK

GuardStack Software Suite has been specifically designed to address the most stringent communications and information-sharing requirements facing armed forces at the tactical edge. Providing a foundation of trusted middleware to enable mission critical communications, GuardStack Tactical Core ensures security, interoperability and network mobility using government open source code to meet national security standards.

GET IN CONTACT



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