



Billion SG-Central

Cyber Security Management System

The Billion SG-Central cyber security management system provides centralized real-time collection, monitoring, analysis, and report generation for cyber security events and logs from the systems in a utility's network. It is designed specifically for utilities to centrally manage cyber security solutions in local and remote areas. Utilizing a web-based user interface, cyber security personnel and control system administrators can access various cyber security logs, perform analyses, and generate custom reports for critical cyber security decisions. Notably, SG-Central's NERC CIP compliance report generation tool can assist in compliance with NERC CIP 002 – 009.

The SG-Central is based on the HP ProLiant ML350 server hardware platform, with up to 8TB of storage capacity, enabling system and network administrators to manage and retain cyber security data with ease. The SG-Central can serve as a centralized repository for cyber security logs for those local or remote cyber security appliances or systems in the network that report via Syslog and SNMP. In particular, SG-Central can be used to monitor Billion SG-Platform Unified Threat Management appliances, as well as Windows-based systems via the lightweight SG-Client Windows agent. The monitoring and reporting features of SG-Central, together with the strong cyber security enforcement features of SG-Platform, provide a strong foundation for cyber security management and NERC CIP compliance.

The SG-Central can be deployed to support a single organization, or partitioned for use with multiple entities such as co-operatives. Managed services (ASP services) using SG-Central are also available.

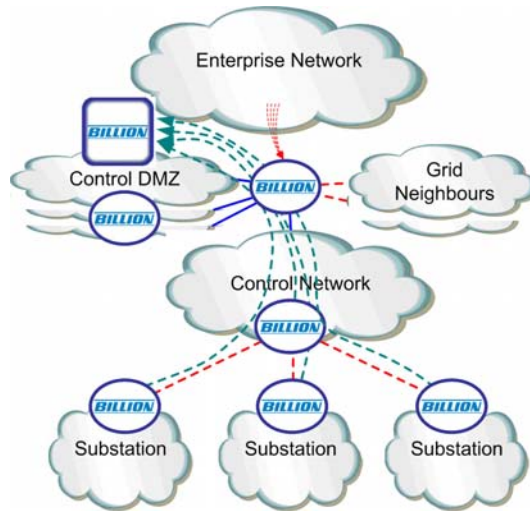
Key Features:

- Access Log Management to meet NERC CIP requirements¹
- NERC-CIP information depository and archive
- NERC-CIP Compliance Management and Reporting
- Centralized monitoring of *SG-Platforms* and other systems with SNMP capability
- Secured remote collection of cyber security data from multiple nodes
- Cyber security data analysis and generate custom reports
- Cyber security data feeds to external monitoring servers
- Supports ASP model whereby multiple companies can be centrally managed with segregation of information from one company to the other. Individual company access can be provided that allows each company to use its own NERC CIP reporting tool, and to view its own information²
- In-depth Data Analysis using the Advance Query feature to provide reports with thorough data analysis

- Centralized monitoring of security status
- Secure remote collection of cyber security data
- Management of multiple locations
- Cyber security data analysis
- Customizable cyber security reports
- Generation of NERC-CIP reports
- Integrates with other monitoring solutions
- All managed from a user-friendly web-based graphical user interface

Segregate Networks and Safeguard

Billion's SG-Platform Unified Threat Management (UTM) appliances provide a comprehensive portfolio of network and security features that enable critical infrastructure organizations to implement strong security protection for critical control systems and networks in control centers, generation plants, and environmentally challenging substations. These SG-Platform appliances are used to create security zones to protect critical cyber assets and establish electronic security perimeters to control access to these zones.



With comprehensive security provided by the SG-Platform UTM appliances, centralized management and collection of security data is critical to ensure a complete view of the entire network. An SG-Central cyber security management system is typically deployed in the Control DMZ where it can collect cyber security data from operational systems and enable access to this data throughout the utility enterprise.

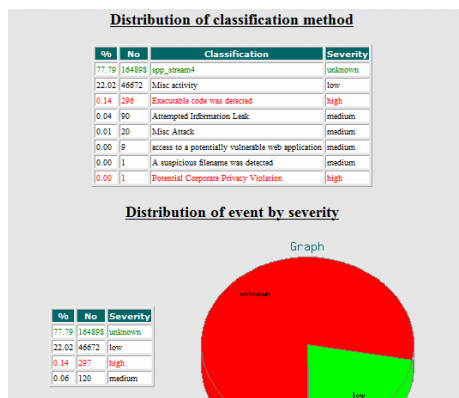
Monitoring



NERC CIP Reporting



IDS Reporting



Product Specifications

TECHNICAL SPECIFICATIONS

Model	HP ProLiant ML350 G6
Processors	Quad-Core Intel® Xeon® Processor X5560 (2.80GHz, 1333FSB)
Cache Memory	8MB (1 x 8MB) Level 3 cache
Chipset	Intel® 5520 Chipset
Memory	4GB (Upgradeable to 24GB)
Network Interface 1	Embedded NC326i Multifunction Gigabit Network Adapter with TCP/IP Offload Engine
Network Interface 2	HP NC112T PCI Express Gigabit Server Adapter
Network Interfaces 3/4/5/6	Addition network interfaces are available
Storage Controllers	HP Smart Array P410i/512 BBWC Controller (Supports RAID 0/1/1+0/5)
Storage	3TB (3 x 1TB) Hot Plug LFF (3.5") Serial ATA
Other Interfaces	Serial x 1, PS2 Mouse x 1, PS2 Keyboard x 1, Video x 1, USB x 6
Form Factor	19" Industrial Rack-mount, 5U
Power Supply	1200 Watt High Efficiency CE Mark Compliant Hot Plug Power Supply
System Fans	Dual Redundant Fans
Operating Temperature	10°C to 35°C (50°F to 95°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Hardware Warranty	3 Years Limited Worldwide (SATA Hard Drives have 1 Year Limited Warranty)

SOFTWARE OPTIONS

Single-Company or Multiple-Company Management License³

Software Annual Maintenance Subscription Available in one (1), two (2), or three (3) years
Support

³SG-Central can support up to 100 nodes regardless of the number of companies.

Note:

1. Custom log adaptors may have to be developed for non SG-Platform devices
2. Available on SG-Central with multiple company management license option
3. All the specifications are subject to change without prior notice.

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