

## nShield Monitor

- Provides 24 x 7 visibility on all nShield hardware security modules (HSMs)
- Identifies performance bottlenecks to improve capacity planning
- Enables immediate response to potential issues through comprehensive alerts
- Eliminates the need to physically access HSMs to retrieve important data
- Integrates seamlessly with existing HSM hardware and software configurations



# nShield Monitor

*Consolidated monitoring of distributed HSMs*



# nShield Monitor

## Technical Specifications



*nShield Monitor is a comprehensive HSM monitoring platform that enables operations teams to gain 24x7 visibility into the status of all their nShield HSMs, including those residing across distributed data centers. With this solution, security teams can efficiently inspect HSMs and find out immediately if any potential security, configuration or utilization issue may compromise their mission-critical infrastructure.*

### CENTRAL MONITORING CAPABILITIES

- Refreshes utilization statistics for all HSMs on a per minute basis
- Provides series of warnings based on user-defined thresholds
- Delivers critical alerts based on independent user-defined thresholds
- Allows users to define the time period for in-depth analysis (last hour, 24 hours, 7 days, 30 days or custom)
- Delivers warnings and alarms via email, SNMP and remote syslog server

### HSM COMPATIBILITY

- nShield Edge, Solo, Solo+, Connect and Connect+ with Security World Software v11.72 and higher
- nShield Solo XC and Connect XC with Security World Software v12.40 and higher

### ROLE-BASED ACCESS CONTROL

- Supports three distinct roles – Administrator, Group Manager and Auditor
- Distinct set of tasks applicable to each role supporting clear separation of duties
- Enhances security in terms of configuration and administration for overall nShield Monitor system
- Administrator manages deployment
- Group Manager controls monitoring of HSMs
- Auditor views data and reports

### SOLUTION COMPONENTS

- DVD including nShield Monitor application as an Open Virtual Appliance (OVA)
- Download of VM image supported as alternative to DVD approach
- Web based management interface and command line interface (CLI)
- Firefox and Internet Explorer browser support
- Flexible endpoint licensing mechanism supporting up to 500 HSMs

### VIRTUAL APPLIANCE MIN SPECIFICATION

- 2 CPUs with 2 cores each
- 8 GB RAM
- Thin provisioned hard drives
- Compatible with VMware ESXi 5.1 and later (VM Version 9) and IBM PureApp Hypervisor version 2.2.3 or above

### SECURITY

- Web server certificate management providing client browser to nShield Monitor authentication as part of session establishment
- Secure segregation of roles and responsibilities for Administrators and Group Managers
- Strong password policy - control of expiry and auto-logout duration
- Choice of algorithms for authentication and privacy
- Uses SNMP v3 for nShield Monitor-to-HSM connectivity

### LEARN MORE

To find out more how nCipher Security can deliver trust, integrity and control to your business critical information and applications, visit [ncipher.com](http://ncipher.com)

Search: nCipherSecurity



©nCipher - April 2019 • PLB8184

[www.ncipher.com](http://www.ncipher.com)

