

nCipher Security

Remote HSM security starts here

Easier monitoring and maintenance
of distant nShield HSMs



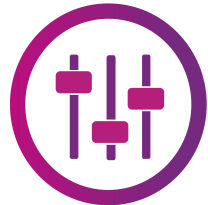
Remote HSM security starts here



Deploying, monitoring and maintaining HSMs in distant data centers is a challenge now more than ever



Ensure access to your critical applications and data remains intact



Reduce trips to the data center and simplify how you deploy and manage your HSMs remotely

Remote Configuration: Simple to deploy, zero touch onwards



Easier HSM deployment in lights-out datacenters – simple installation for data center staff



Zero physical touch after installation – no need to revisit the data center



Network configuration and front panel settings all done remotely



No more costly, time consuming travel to remote data centers to configure or re-deploy HSMs

Available on all nShield Connect XC models with serial console



nShield as a Service



Scalable, flexible subscription-based crypto service in the cloud



Uses **dedicated** FIPS 140-2 Level 3 & Common Criteria certified nShield HSMs



Cloud Service Provider agnostic, ideal for multi-cloud and hybrid cloud solutions



Available in fully-managed and self-managed options

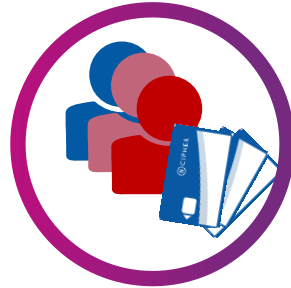
Maintain full control of key material across on-premises and cloud HSM estates at all times



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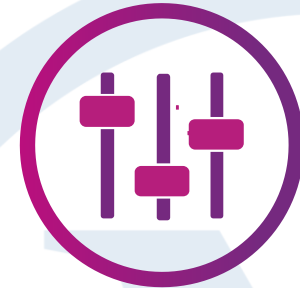
Enables the secure remote presentation of authorisation smart cards to remote HSMs



Quorum of card holders assemble in any location to present their authorisation cards

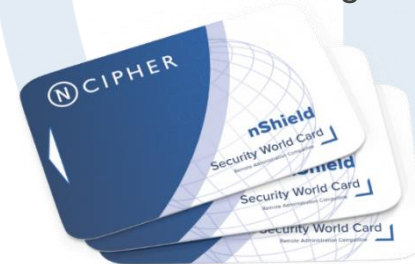


No more costly, time consuming travel to remote data centers to maintain HSMs



Execute maintenance tasks inc. firmware upgrades, enrolling new HSMs and re-assigning/reconfiguring existing HSMs

HSM Authorisation and Administration without the hassle



nShield Monitor: Remote monitoring



Provides a single dashboard of all your nShield HSMs



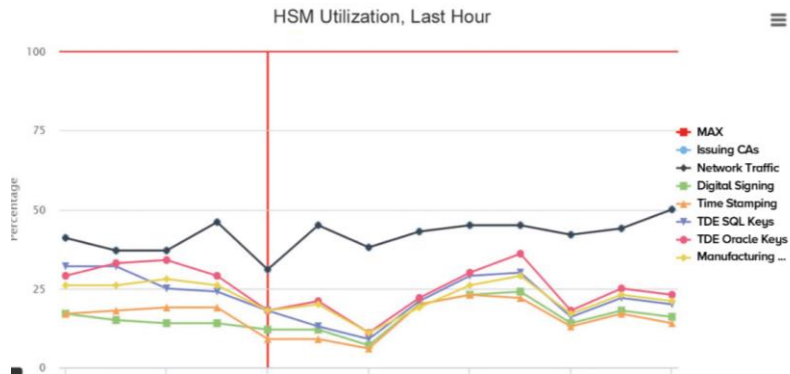
Helps you optimize operations, increase uptime, and improve security



Provides health monitoring, utilization statistics and Security World status



Delivered in Open Virtual Appliance (OVA) format to operate in VMWare virtualised environments



The HSM statistics you need on a single dashboard

nShield remote-friendly features – in summary

Simplify the **remote** deployment and maintenance of your HSM estate



nShield as a Service

- nShield HSMs in the cloud, subscription model
- Maintain control of your keys at all times
- Cloud Service Provider agnostic



Remote Configuration

- Based on latest model of Connect XC with serial console
- Easily commission/reassign HSMs
- Significantly reduce visits to the data centers



Remote Administration

- Remote authorization of HSMs by quorum of card holders
- Ideal for firmware updates and enrolling new HSMs



nShield Monitor

- A single dashboard to all your nShield HSMs
- Optimize operations, increase uptime, improve security

Remote solutions - summary at a glance

Product Name	Summary of benefit/ value	Hardware/ software?	Best for	Problem Solved for
Remote Configuration	Easy to commission/ reassign HSMs Reduce visits to data centers	Latest hardware version of network attached nShield Connect XC with serial console	New projects, replacing legacy nShield Connect deployments	Network, operations and data center staff, system architects
nShield as a Service	HSMs in cloud via subscription model Maintain control of your keys No Cloud Service Provider lock in	No HSM purchase required	New projects, moving applications to the cloud Extending existing on-premises deployments without adding hardware	Crypto team, system architects, CSO, operations team, finance team
Remote Administration	Authorization of HSMs by quorum of card holders for firmware updates and enrolling new HSMs	Includes smartcards and Trusted Verification Device card reader	New and existing deployments	Security officer, Admin card holders (typically senior members of crypto team and IT executives), operations staff
nShield Monitor	Dashboard of your nShield estate Optimize operations, increase uptime	Software only	New and existing deployments	Operations staff

Next Steps?

To find out more on how nCipher Security can deliver remote solution for your business critical information and applications, visit www.ncipher.com



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