

N CIPHER IS NOW **ENTRUST**



nCipher and HyTrust address
crypto key management needs
of multi-cloud deployments



HyTrust and nCipher technology partnership

- HyTrust DataControl secures multi-cloud workloads throughout their lifecycle using the KeyControl key management server to manage encryption keys for virtual machines and encrypted data stores.
- nShield HSMs secure the admin key and key encryption keys used to protect the HyTrust KeyControl key management server.





HyTrust KeyControl addresses the cryptographic key management needs of enterprise multi-cloud deployments

- Secure data across distributed environments
- Manage keys centrally across multi-clouds
- Provision keys at scale for encrypted workloads
- Support the industry API standard (KMIP)



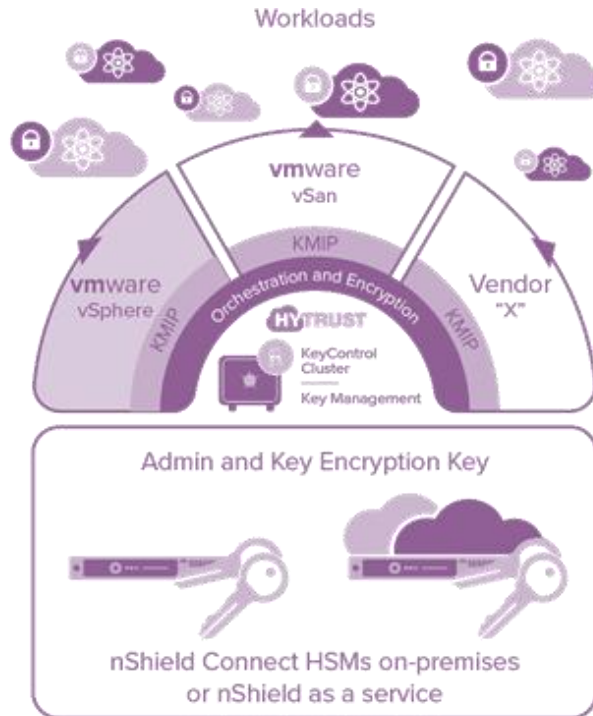
nCipher nShield hardware security modules protect and manage critical keys used by cryptographic applications

- Deliver hardware-based security
- Generate and manage admin and key encryption keys
- Enforce policy and access controls
- Comply with FIPS / Common Criteria

HyTrust and nCipher deliver universal key management for encrypted workloads

HARDWARE BASED SECURITY

Critical admin key and key encryption key are protected and managed within the secure confines of a FIPS 140-2 Level 3 and Common Criteria EAL4+ certified HSM, where they are isolated from physical and software attacks

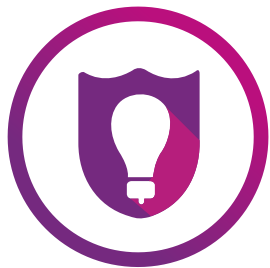


GLOBAL CUSTOMERS

Government and enterprise including banking, financial services, insurance, telecommunications, healthcare, and software development



nShield HSMs: A foundation of trust



Highest level of protection for encryption or signing keys



Implement and enforce customer-defined policy



“Harden” applications that use cryptography



Source of high quality random numbers for keys



HSMs are certified, trusted platforms for performing cryptographic operations and protecting keys

nShield HSM family of products

Cloud integration



nShield Solo

Server-embedded PCIe card

Remote monitoring



nShield Connect

Network attached, shared



nShield Edge

Low cost, portable

Developer packages



Time stamping package





Years of delivering trusted threat protection and enabling compliance



Deep expertise and track record in applied cryptography



HSM market leader with a long history of industry certifications and validation



Cloud
IoT
Blockchain
Payments

Solutions delivering trust for business critical applications and information

1000+



Organizations rely on nCipher to secure and support their applications and information

- **57 of the top** Global Fortune 100
- **10 of the top** 20 FTSE 100

(N) CIPHER IS NOW **ENTRUST**

Trusted by clients and partners worldwide



\$800M+
REVENUE



2,500+
EMPLOYEES

50
YEARS OF
INNOVATION



1,000+
TECHNOLOGY
AND CHANNEL
PARTNERS



Market leader in
the **4.7B**
annual financial
card and
government ID
issuance market

690K
websites
secured
globally

45K+
instant issuance
deployments
worldwide

24M+
SWIFT messages
encrypted &
secured daily

10M+
secure identity
& payment
credentials
issued daily

57
of Global
Fortune 100
companies
use our HSM

25
countries use
our PKI, as
well as the UN,
Interpol & NATO

95M+
protected
workforce and
consumer
identities

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