

Upgrade Your Hardware Security Module (HSM) Skills
with Training from Encryption Consulting LLC

VIRTUAL & ONSITE HSM TRAINING

Class Audience > Beginners | Intermediate | Advanced



We take a vendor-agnostic approach to train you to set up, deploy, and monitor nCipher and Thales Luna Hardware Security Modules (HSMs)

Certificate of Completion

Every student who attends and completes the full training, scoring 70% in the General-purpose HSM exam, will receive a certificate of completion. The certificate will allow the student to qualify for ISC2 continuing education credit for annual CPE commitments. Every student who attends and completes the full training, scoring 70% in the HSM exam, will receive a certificate of completion. The certificate will allow students to qualify for ISC2 continuing education credit for annual CPE commitments.

Why Get Our HSM Training?

In-Depth Knowledge: Dive into the core concepts of HSMs and understand their role in securing sensitive data.

Hands-on Experience: Learn from seasoned professionals with 20+ years of consultation experience and leverage their hands-on expertise from various industries.

Vendor-Agnostic Approach: Our training helps to navigate diverse HSM systems, enhancing adaptability and market relevance.

Tailored Learning: We offer customizable training dates for groups of 3 or more attendees to ensure a personalized learning journey.

Course Breakdown

Day 01

Hardware Security Modules

- What is a Hardware Security Module (HSM)
- Benefits of using HSMs
- Key Theft Attacks
- Why we use HSMs
- Performance

HSM Use Cases

- PKI Use
- Web Servers
- Encryption
- Cloud Security (Bring your own Key)

HSM Software: Key Containers and Keys

- What stores and secures keys?
- Understand the K-of-N principle
- Storage of authorization secrets

Install HSM Software

- Installation on supported platforms
- Software Versions
- Default file locations
- **Practical Session #1:** Installing HSM Software on Windows and Linux

HSM Basic Configuration

- HSM initial configuration

Practical Session #2: HSM Basic Configuration

- Setting up HSM for your use case

HSM Clients: Practical Session #3: Enroll Clients

- Verify installation and Client/module enrollment.

Day 02

Introduction to Security World

- A brief word on FIPS
- Configuration options for Security World
- Changing HSM Modes
- Create a Security world
- **Practical Session #5:** Create a new Security World

Key creation and management

- Application Key Tokens
- Key Protection
- Keys
- **Practical Session #5:** Creating authorization secrets

Remote-Management

- Remote-Administration Overview
- Secure Channel Concept
- Deploying Remote Administration

Maintenance

- SNMP Traps and location of MIB for Monitoring
- Upgrade Firmware
- Upgrade software

Disaster Recovery

- Lost authorization secrets
- HSM hardware failure
- Forgotten passphrase
- **Practical Session #7:** Replacing authorization secrets

High availability

- Configuration options
- Cloning HSM data

Running code inside the HSM

- FIPS compliance
- Advantages of code within HSM

Customer Support

- Supported Products
- Support Locations and Contacts
- Support Portal
- Required Information
- Criticality Assessment
- Escalation Levels
- Support Contracts

Examination for nShield Certified Systems Engineer

Client Testimonial

"Professional, Knowledgeable, Responsive; A Pleasure To Work With"

Submitted Jan 30, 2024

5.0 ★★★★★ Overall User Rating

Product(s): [Encryption Advisory Services](#)

Overall Comment: "Representative and his team are a pleasure to work with, they respond quickly, they are knowledgeable and can easily communicate highly technical requirements into actions that are helping us mature our PKI posture. "

5 ●●●●● Evaluation & Contracting

5 ●●●●● Integration & Deployment

5 ●●●●● Service & Support

5 ●●●●● Product Capabilities

See it in action

Encryption Consulting LLC is a customer-focused cyber security consulting firm providing an array of services in all aspects of data protection.

[Contact Us](#)