



## High Assurance HSM

### SafeNet Luna SA



- Provides encryption, signing, authentication services to security sensitive applications
- Multi level access control
- Enables multiple partitioning
- CC EAL 4+ validation
- Includes central management console for easy set up and remote administration (Luna SX)
- Network-Attached
- For apps where security performance and high availability are the priority
- Backup and disaster recovery
- Eliminates cryptographic bottlenecks that slow down business processes and sensitive business applications.
- More: [www.safenet-inc.com/PKI](http://www.safenet-inc.com/PKI)

## Proof Points

### Performance and Scalability

- Over twice as fast as nearest competitor
- Up to 4000 transactions per second
- Accelerate sensitive cryptographic operations
- Up to 20 unique partitions

### Most Secure

- Keys in Hardware
- Multiple Administrative Roles
- FIPS 140-2 level-3 validated
- Multi-level access control
- CC EAL 4+ validation (Dec. 2008)

### Easy to Integrate and Deploy

- Ethernet attached for easy deployment
- Simplified remote administration via Secure Command Line Interface
- Compatible with: PKI/PKCS#11, Open SSL, JCE/JCA (Java), MS Crypto API, MS CNG APIs

### Sample Applications

- PKI key generation and storage
- PKI Root key protection
- Database encryption
- Certificate validations
- Smart card issuance
- Document signing
- SSL Acceleration

## Common Objections

**“Will I be able to manage this HSM through a browser session?”**

→ Yes, the Luna SX is our browser based management console.

**“Does this product have a remote Administration?”**

→ Yes, it features a remote PED Administration

**“Does this support signing and key export in different partitions?”**

→ The Luna SA 4.4 will feature a PKI Bundle, which facilitates this type of operational request



## Handling the Competition

### Customer do-it-yourself in software

- Less secure because keys are not in hardware; software is easy to hack.
- Certification is impossible

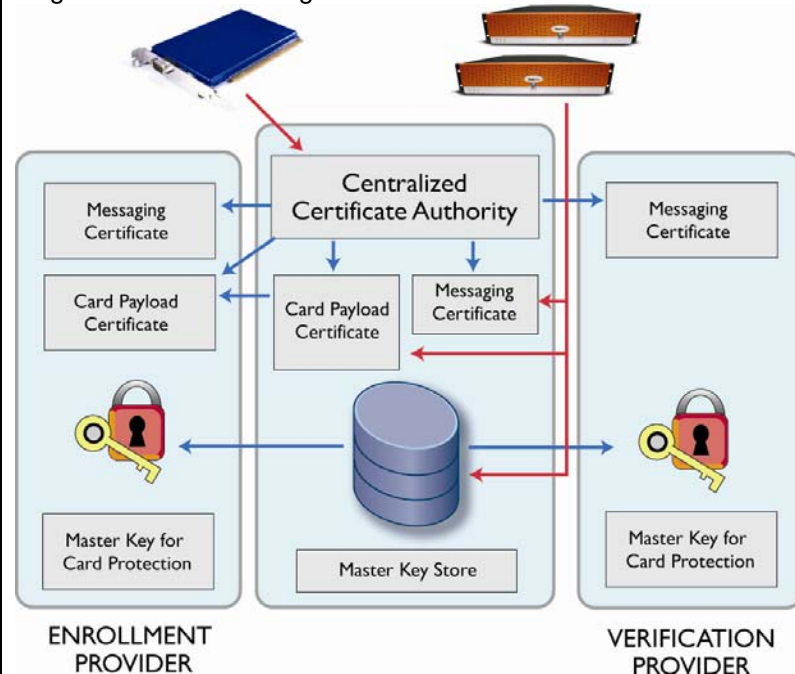
### nCipher Net HSM

- Only handles up to 2000 TPS
- Fewer enterprise grade features

Awards		Sales Strategies	
	<b>Winner!</b> Network Product Guide 2008 Best Products and Services Best in PKI <a href="http://www.networkproductsguide.com/best/">http://www.networkproductsguide.com/best/</a>	<b>Sales Nuggets</b>	<b>Buyer Personas</b>
		<ul style="list-style-type: none"> <li>VeriSign only uses SafeNet HSMs</li> <li>This is an Out of the Box solution</li> <li>We offer FIPS, CC, and platform compliance</li> <li>Includes a pin entry device (PED) for remote admin</li> <li>Can address the highest performance speed requirements (high availability and load balancing)</li> <li>Includes multiple partitions</li> <li>Good for backup of data</li> <li>Broad Interoperability</li> </ul>	<p><b>CSO / Security Administrator</b>            “My new applications require next generation PKI support as well as authentication signing and encryption services”</p> <p><b>CIO / IT Manager</b>            “I need to know my PKI Root keys are protected by the best solution available on the market.”</p>
	<b>Winner!</b> SC Magazine 2004 Best SSL Accelerator <a href="http://www.safenet-inc.com/news/reviews/files/SCMag_Best2004LunaSA.pdf">http://www.safenet-inc.com/news/reviews/files/SCMag_Best2004LunaSA.pdf</a>		

## Customer Success: Security Biometric Clearing Network

### Registered Traveler Program Architecture



Security Biometric Clearing Network: Fast, low cost deployment of a multi-tiered CA

**Challenge** – Protect cryptographic keys for authentication, verifying of identification cards and to ensure enrolling of travelers, (manage personal information) for Transportation Security Administration's (TSA) registered traveler program (RTP).

**Solution** – Certificates are safe and information is managed securely by protecting the root key at all times with FIPS validated hardware. Identities of travelers are checked at border control

#### Benefits

- Strict security requirements were met
- Reduced time for validation of travelers enrolled in the TSA's RTP
- Reduced maintenance and admin costs
- Easy upgrade capability