THALES

It's Time to Migrate to Thales Luna HSM 7

As a Thales valued customer, you've realized the benefits that Luna Hardware Security Modules (HSMs) bring to your business, securing your devices, identities and transactions as you digitally transform, and helping you meet compliance mandates.

Since the release of Luna HSM 7, we've enhanced the security and performance of our HSMs to meet evolving customer needs, providing confidentiality, integrity and availability for traditional use cases such as PKI, SSL/TLS, code signing, database encryption and cloud protection as well emerging technologies such as IoT, blockchain and 5G.

Our goal is to ensure that our technology brings tangible benefits to your business today, as well as into the future regardless of the applications and environments you play in. Building on the proven strengths of Luna HSM 5/6, Luna HSM 7 is designed with customer requirements in mind, providing the foundation of digital trust to secure your digital transformation with the following necessary features and benefits:

Security and Compliance

- **Choose the Luna HSM form factor that best suits your needs** – Network, PCIe or USB HSMs
- **Easily and cost-effectively meet your compliance requirements** from GDPR and eIDAS to PCI-DSS and CCPA
- **Meet and exceed security standards** with up-to-date certifications including FIPS 140-2 Level 3 and Common Criteria (PP 419 221-5 EAL4+)
- **Establish trust and integrity** for your data with on-by-default side channel attack protection
- **Ensure a high integrity supply chain** with high-assurance delivery in secure transport mode
- **Benefit from high quality keys** with strong internal entropy or through external Quantum RNG seeding

Scalability

- **Meet the SLAs of demanding high throughput applications** with over 20,000 ECC and 10,000 RSA operations per second and low latency
- **Secure more applications with a single HSM** by separating the HSM into up to 100 cryptographically separate partitions, each acting as an independent virtual HSM

Ease of Use and Reduced Costs

- **Easily and quickly provision, manage and monitor your HSMs** with Thales Crypto Command Center
- **Reduce total cost of ownership** with remote HSM management
- **Automate enterprise systems** to manage HSMs via REST API
- **Efficiently deploy containerized applications** using Luna Client that is forwards and backwards compatible
- **Install in modern data centers** with IPV6, optional 10G fiber connectivity, and low power consumption

Keep Up To Date with New and Existing Integrations

- **Simplify integration and development** with a wide variety of APIs, and stay up to date with hundreds of out-of-the-box technology partner integrations
- **Future proof your organization** by implementing quantum safe algorithms
- **Meet your key management, compliance and audit needs** with flexible partition policies such as key export
- **Extend native HSM functionality** by developing and deploying custom code within the secure confines of the HSM via a functionality module

Hybrid / Multi-Cloud HSM

- **Ensure your infrastructure, applications and users are secure** no matter where they are (on-premises, cloud, hybrid - and multi-cloud)
- **Leverage the same integrations, APIs and mechanisms and the same levels of security** across our on-premises and cloud-based HSM via a Universal Client
- **Securely migrate keys between form factors, or backup and duplicate keys in hardware with Luna Backup HSM** or to the cloud with Luna Cloud HSM from Data Protection on Demand for redundancy, reliability and disaster recovery

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Benefit from market-leading performance and the highest levels of high-assurance security and compliance. Luna HSM 7 has several models available that are differentiated by authentication type, performance, key capacity and number of partitions. This makes it easy to determine what model best suits your needs.

The Luna HSM 5/6 end of support date is September 1, 2022. Even though Luna HSM 7 is backwards compatible with Luna HSM 5/6, ensure you leave enough time for testing, procurement, and key migration.

Contact us to learn more about the full benefits of Luna HSM 7 and how we can help simplify your migration efforts.

About Thales

The people you rely on to protect your privacy rely on Thales to protect their data. When it comes to data security, organizations are faced with an increasing number of decisive moments. Whether the moment is building an encryption strategy, moving to the cloud, or meeting compliance mandates, you can rely on Thales to secure your digital transformation.

Decisive technology for decisive moments.