



# MYHSM FULLY MANAGED SERVICE

MYHSM is the global provider of Payment Hardware Security Modules (HSM) as a Service. Utilising Thales payShield, the world's most widely deployed Payment HSM, MYHSM offers a suite of managed services as an alternative to operating your own estate of Payment HSMs in your own data centres.

Hosted and managed by MYHSM in world-class data centres such as Cyxtera and Platform Equinix, home to the world's largest ecosystem of interconnected partners and providers, Payment HSM as a Service removes the need for customers to invest in hardware, secure facilities, and management resources, and reduces the onus of PCI compliance, audit and support.

## A better way to use Payment HSMs

**Reduced costs** — MYHSM offers you a monthly subscription service to access the Payment HSM capability you need without having to buy on-premise devices. And it minimises the costs for the staff, infrastructure and skills needed to deploy, manage, design, and operate your Payment HSM infrastructure and to maintain its PCI certification.

**Convert capex to opex** — by using the MYHSM service, you can replace significant capital expenditure with a predictable, monthly subscription based on your usage.

**Focus on your core business** — you can focus your energies on your core business and on getting new products and services to market more quickly rather than diverting attention and resources to your own estate of Payment HSMs.

## The MYHSM Service

MYHSM's primary offering is providing fully managed Thales payShield HSMs as a Service which customers can access globally. This is in partnership with and promoted by Thales, an organisation recognised as the leader in its field and whose payShield HSMs protect 80 percent of all card transactions across the world.

Customers access the MYHSM service using industry-standard internet technology, with the levels of protection needed to ensure the security of payment transactions.

MYHSM payShield HSMs are housed in multiple secure, high-performance, PCI-certified data centres, such as Cyxtera and Platform Equinix, with the capacity to continually expand to meet global demand. The responsibilities for service monitoring and management, incident response, system

maintenance, capacity provision, and assurance of regulatory compliance are wholly owned by MYHSM in their data centres, Security Operations Centre, and Support Centre.

Users of the MYHSM service have access to a group of Payment HSMs which spread their workload and provide resilience against equipment failure, offering 99.999% availability.

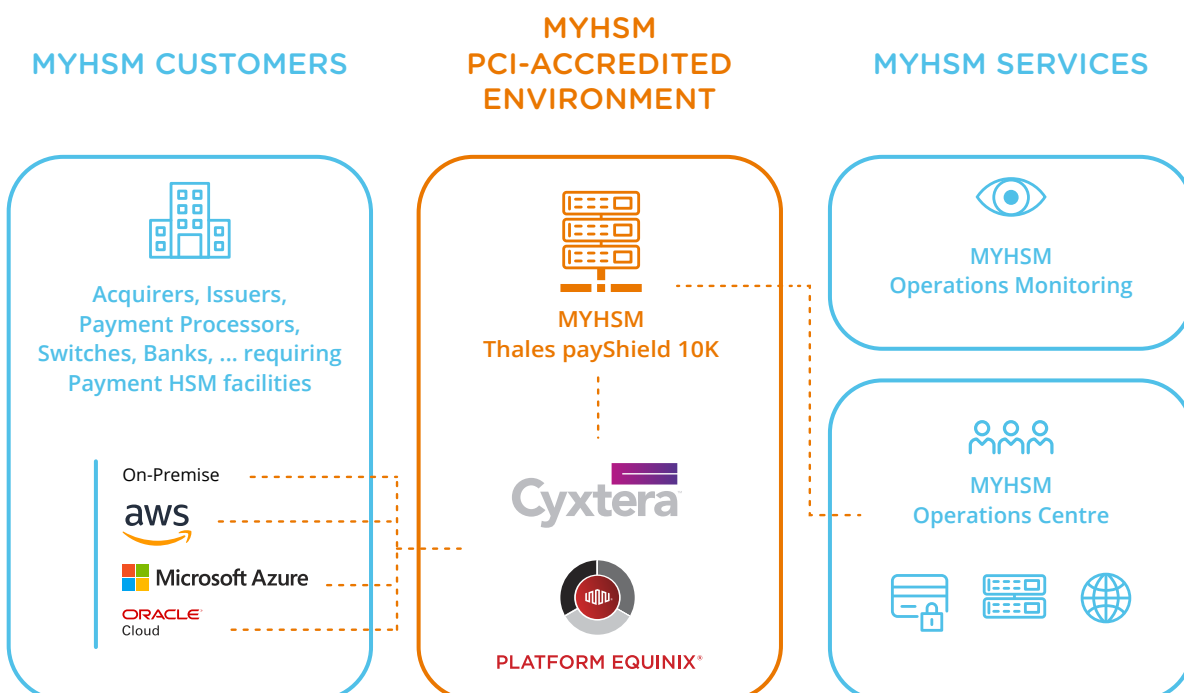
The Fully Managed Service is available for live, production work, and implements the PCI requirement for complete segregation between live and development/test systems. Users who require Payment HSM testing facilities should use the MYHSM Testing Service, and can migrate easily from this to the MYHSM Fully Managed Service when their applications go live. The Fully Managed Service has two options:

**Standard** — the HSM group is shared by multiple users delivering maximum advantage of economies of scale; securely and cryptographically segregated by MYHSM using PCI approved processes. This service will appeal to users where the configuration designed by MYHSM is appropriate, and its performance will meet the capacity demands of most.

**Dedicated** — providing an exclusive group of HSMs. This service is more appropriate for users with their own specific configuration needs or those with particularly high transaction volumes.

Regardless of which option is taken, MYHSM assures a best-in-class service by incorporating the following as standard:

- Provision of all Payment HSM and associated networking hardware and firmware in the data centre.
- Built-in redundancy and disaster recovery facilities.
- Continual monitoring of the health and utilisation levels of all MYHSM system components and rapid response to incidents.
- Maintenance of all MYHSM equipment, including configuration updates, installation of latest firmware, equipment replacement, and capacity management.
- Management of HSM Master Keys (LMKs) for customers.
- Generating, receiving, and forming master keys (such as ZMKs, BDKs) used by the customer to exchange keys with their partners.
- 24x7 monitoring and service support.
- Managing the security of the data centre and its equipment.
- Maintenance of relevant security and regulatory certifications, including PCI.
- Provision and Maintenance of Host TLS certificates for secure communications.
- Maintenance and recording of audit logs.



## BENEFITS FOR THE USER



### Reduced total cost of ownership

Reduce your costs around Payment HSM and networking hardware acquisition and maintenance, staffing, PCI re-audits, and infrastructure costs



### Predictable budgeting

Replace capex with a simple, predictable monthly service cost that dynamically scales to your own level of usage



### Speed to market

Leave the HSMs to MYHSM and focus on getting your products to market. New MYHSM clients can be onboarded quickly with a seamless rollout from test, to pilot, to live transactions



### Cloud agnostic

MYHSM can work with public or private cloud providers, maximising your business flexibility and taking full advantage of multi-cloud strategies



### Fully backed

Benefit from MYHSM's partnership with Thales eSecurity, the global provider of the Payment HSMs operated by MYHSM



### Keeping up with PCI requirements

Let MYHSM take on the burden of maintaining the PCI DSS and PCI PIN compliance of your Payment HSMs with full evidence available to your own auditors



### Future proof

Avoid the headache of capex, planning, and implementation when you have to replace your Payment HSMs, for example when their end-of-life is announced or you need to consolidate systems onto the latest models



### Disaster recovery

99.999% availability across world-class data centres protects you against unplanned outages



### Easing the pressure on resources

Minimise the need for specialist staff to install, manage, and operate Payment HSMs



### Automated updates

Always have the latest firmware, security updates, and hardware



### High quality support

Monitoring and service support from the MYHSM technical team with its leading experts in payment HSM technology



### Competitiveness

Have immediate access to enterprise-class technology and skills that might otherwise be unavailable to you



### Global reach

Have worldwide access to the MYHSM service without compromising on service levels and support

## POWERED BY THALES PAYSHIELD 10K

Designed specifically for payment applications, payShield from Thales eSecurity is a proven Hardware Security Module (HSM) that secures tasks such as PIN protection and validation, transaction processing, mobile and payment card issuance,

and key management. The payShield Payment HSM security solution delivers high assurance protection for automated teller machine (ATM) and point of sale (POS) credit and debit payment transactions.



# THALES

For more information please visit [www.myhsm.com](http://www.myhsm.com)