

MYHSM®

# MYHSM TESTING 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 testing facilities as an alternative to operating your own estate of Payment HSMs in your own data centres for testing and development work.

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.

## A better way to use Payment HSMs

**Reduced costs** — MYHSM offers you a monthly subscription service to access the Payment HSM capability you need for testing 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 own Payment HSM infrastructure.

**Convert capex to opex** — by using the MYHSM service, you can replace significant capital expenditure with a predictable subscription based on your usage and lasting for just as long as you need the service.

**Rapid deployment** — you can focus your energies on getting new products and services to market more quickly rather than spending time and resources on building your own Payment HSM test facilities.

## The MYHSM Service

MYHSM's primary offering is providing fully managed Thales payShield HSMs as a Service which customers can access globally. This family of Payment HSMs uses the API which is most widely adopted by payment applications. This service 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 Testing service using industry-standard internet technology, with the levels of protection needed to ensure the security of payment transactions. This allows users of the service to develop and test their payment applications and run proofs of concept using Thales payShield HSMs, or to understand how their systems will work when migrating to the live MYHSM service.

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.

The Testing Service allows users to meet PCI standards and security best practise by having complete physical and logical separation between test and live environments. Once system development and testing are complete, applications can be easily migrated to their live environment, such as using the MYHSM Fully Managed service. The Testing Service has three options:

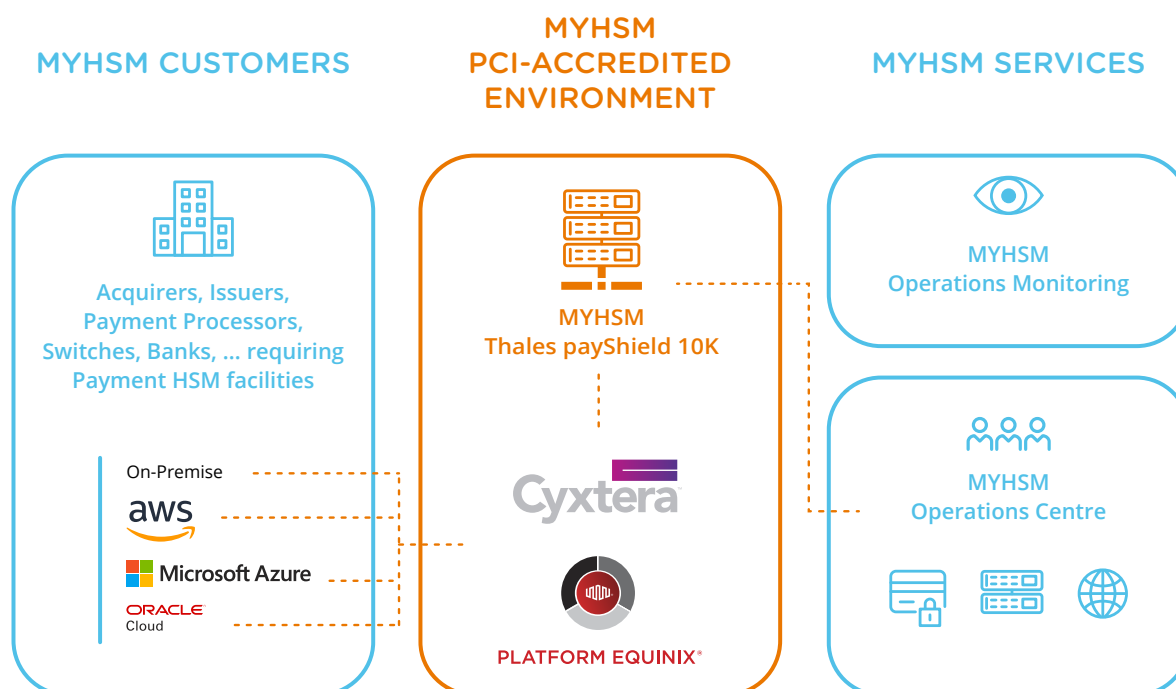
**Standard Test** — the HSM group is shared by multiple users delivering maximum advantage of economies of scale. This service will appeal to users where the configuration designed by MYHSM is appropriate, and its performance will meet the capacity demands of most.

**Dedicated Test** — 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.

**Beta Test** — similar to the Standard Test service, but providing the next release of Payment HSM hardware, software, and configurations which are scheduled to become the standard live MYHSM service. This allows MYHSM Service Users to validate these changes in advance of their being deployed by MYHSM.

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
- 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 datacentre and its equipment
- Provision and Maintenance of Host TLS certificates for secure communications.
- Maintenance and recording of audit logs
- Flexible subscription model to suit the Service User's needs in terms of capacity and timescales.



## BENEFITS FOR THE USER



### Reduced total cost of ownership

Reduce your costs around Payment HSM and networking hardware acquisition and maintenance, staffing, and infrastructure costs



### Predictable budgeting

Replace capex with a simple, predictable monthly service cost that dynamically scales to your own level of usage. Contract periods can be as low as one week



### 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



### 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

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



### Fully backed

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



### Easing the pressure on resources

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



### Keeping up with PCI requirements

When you move from test to live operations, MYHSM will 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



### 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

## 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)