THALES

# payShield Manager
## Reduce operating costs by managing payShield HSMs remotely

### payShield Manager

- Reduces operating costs by eliminating the need to manage HSMs inside data centers
- Provides 24 x 7 management even when local physical access to HSMs is not available
- Scales easily to support a large estate of HSMs deployed across multiple locations
- Adapts rapidly to evolving organizational needs through management of a white list for device access

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payShield Manager from Thales eSecurity is a remote management solution designed specifically for both payShield 10K and payShield 9000 HSMs. It enables remote operation of HSMs via a standard browser interface, leveraging smart card access control to establish secure connections with HSMs. payShield Manager enables key management, security configuration and software and license updates to be carried out remotely.

## User interface

- Standard browser – identical interface for both local and remote modes of operation
- Rapid navigation via intuitive menu system using web-based accordion presentation style and simple parameter selection
- Virtual Console provides support for customer-specific Console commands

## System configuration

- Factory Warranting process to establish trust model for HSMs and smart cards
- Customer Commissioning process to facilitate secure initialization
- Creation and management of separate HSM domains
- Management of security personnel (administrators and operators) incorporating personalized smart cards for secure access
- Allocation of security personnel to individual HSMs and selected operations

## Local and remote device management

- Online, offline, secure and authorized state operations with smart cards used as substitutes for physical keys during local and remote operations
- Local master key (LMK) management – generation, installation and migration
- Interface management – host, alarm, management and printer port settings
- Security configuration settings
- Loading of firmware and licenses via HTTPS session
- Audit trail and error log management
- Diagnostic information – including utilization statistics, configuration settings and health check data

## Virtual console

- Generate keys
- Import keys
- Export keys
- Access to all non-smart card-based Console commands
- Access to custom Console commands

## Security

- Strong mutual authentication for establishment of remote session
- Data encryption to protect all data between user smart card and HSM
- AES 256-bit session keys, ECC 521-bit certificates
- GlobalPlatform compliant smart cards with Thales applet – secure distribution from approved source, not available on open market

## Solution components

- PC or laptop (to be supplied by the user) to be used for the local or remote workstation supporting an Internet Explorer, Chrome or Firefox web browser running on any operating system
- USB-connected or built-in standard PC/SC smart card reader
- Thales Warranted smart cards for remote access
- Remote Management software license for each HSM is required to operate in the remote mode of payShield Manager

## HSM compatibility

- payShield 10K – software built on base V1.0 or later
- payShield 9000 – software built on base V3.0 or later

## About Thales eSecurity

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 amount 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.