



## Remote HSM Manager

Reducing operating costs for HSM 8000  
& Payshield 9000 management

### Key Benefits

- > Secure HSM management remote from the data center
- > Inclusion of HSM key and device management functions available locally
- > Management of multiple data centers from a single remote workstation
- > Comprehensive access control down to individual HSM level
- > Flexible administration to facilitate changes in both HSMs and security personnel
- > Compatible with HSM 8000 and payShield 9000 devices

The traditional method of managing hardware security modules (HSMs) directly inside a secure data centre is becoming more costly and does not provide the flexibility required of a modern business. The key and device management features supported by the latest breed of Thales HSMs are extensive and benefit from an intuitive graphical user interface (GUI) rather than the traditional 'dumb console'.

Organizations that are involved in payment card issuing and transaction processing often have HSMs located in multiple data centers, each with severely restricted access. Combined with the challenge of scheduling the visits of the security staff to the data centers for routine device management changes, the task of performing effective HSM key management soon becomes very challenging.

Remote HSM Manager is a comprehensive solution from Thales which enables security teams to perform all tasks linked to key and device management from a central remote location, avoiding the need to travel to the data centre. It delivers operational cost savings in addition to making the task of managing HSMs more flexible and on-demand.



# >> Remote HSM Manager

## Solution Overview

### User interface

- > Windows-style graphical user interface (GUI)
- > Rapid navigation via intuitive menu system
- > Radio buttons, check boxes and dropdown lists to simplify parameter selection

### System configuration

- > Personalization of HSMs with unique PKI credentials for use in remote management mode
- > Creation and management of logical groups of HSMs
- > Management of security personnel (administrators and operators) incorporating personalized smart cards
- > Allocation of security personnel to individual HSMs for remote management purposes

### Remote device management

- > Online, offline, secure and authorized state operations with smart cards replacing physical keys from local management mode
- > Local master key (LMK) management
- > Interface management
- > Security configuration settings
- > Loading of firmware and license files
- > Audit trail management
- > Status information

### Remote key management

- > Generate keys
- > Key import
- > Key export
- > Generate components
- > Encrypt components
- > Form key from components

### Security

- > Secure PC or laptop operating system environment
- > Strong mutual authentication for establishment of remote session
- > Data encryption to protect all data

### Solution components

- > PC or laptop (to be supplied by customer) to be used for remote workstation
- > Bootable CDRom containing Remote HSM Manager application
- > 3 USB-connected smart card readers with integral PIN-pad and LCD display
- > Administrator smart cards
- > Operator smart cards
- > Remote Management software license for each HSM to be supported

### HSM Compatibility

- > HSM 8000 with firmware version 3.1 or later
- > payShield 9000 with firmware version 1.0 or later



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