

OmniCrypto

ATM, POS Remote Key Loading

SSL

Common Authentication Service

PIN and Password Management

HSM load balancing and meters

Interchange Key Exchange



Opsol is pleased to announce that it has acquired the ARM assets from the HP Atalla Group.

Common Security Services

OmniCrypto is a suite of security products for Application Security, securing data in motion and data at rest. Based on a modern, component-based design and an open, standards-based architecture, OmniCrypto product suite provides a secure solution - extending existing IT investment, while providing the highest levels of security and flexibility.

The product is SOA compliant and the services can be accessed from other computers using standard SOA Application Servers. This allows the organization to use OmniCrypto as the centralized authentication security service. The OmniCrypto signon service is flexible to support various types of signons and can be customized to accommodate additional methods.

- Signon using Login id + Password
- Signon using Account Number + PIN and/or SSN(9)
- Signon using Account Number + SSN(last 4)
- Signon using SSN(9) + PIN

OmniCrypto offloads encryption to Host Security Modules (HSM) such as HP Atalla and Thales. OmniCrypto communicates with these HSMs using a common interface and there are no changes to the customer application if the customer replaces or upgrades their HSMs.

Supported platforms

- HP NonStop Integrity
- HP NonStop Blades
- Windows
- UNIX and Linux

Supported application servers

- Apache Tomcat
- Apache Geronimo
- IBM Websphere
- Oracle WebLogic

Supported communication methods

- HP Serverclass send and \$Receive
- IBM Websphere MQ
- CORBA
- Oracle TUXEDO
- SOA
- TIBCO
- Native Sockets

HSM load distribution and meters

OmniCrypto is used to distribute load across multiple HSMs. OmniCrypto performs load-balancing to ensure optimal use of all Atalla devices. It also supports grouping of HSMs within a pool based on the master file key loaded in the devices.

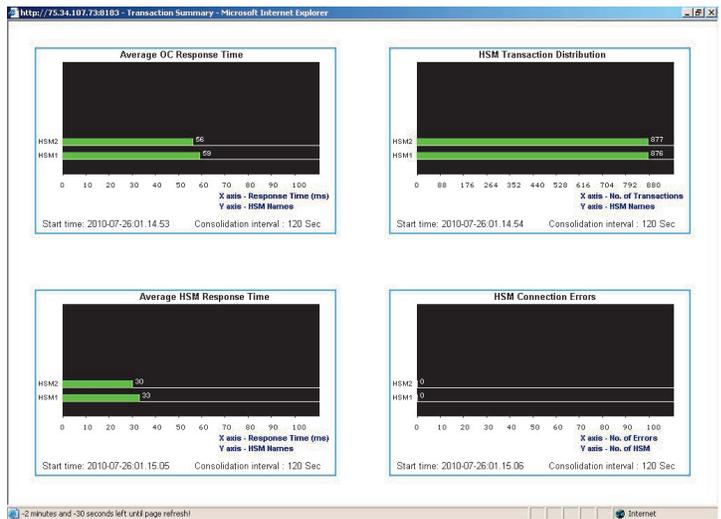
The HSM meters are used to determine the volume of transactions being sent to each device. No other tools provide this information and until now determining when to upgrade your HSMs has always been a mystery.

User Management with Access Control

Provides a complete solution for role and permissions based user authentication and authorization. User authentication and permissions specify who is allowed to use the system, what credentials they have to present, what actions they can take, and what data they are allowed to view and manipulate.

Key Management

- ANSI X9.8 (3DES)
- DUKPT Management (ANSI X9.24)
- Remote Key Loading
- Key exchanges with the switches



ATM PIN Management

- PIN Generation
- PIN Encryption
- PIN Translation
- Verifying PIN and CVV

About Opsol

Opsol Integrators, Inc. founded in 1995 has built software solutions for Telco and the Banking sectors. Our solutions deliver high-transaction throughput and leverage the reliability and scalability of HP NonStop servers to deliver an industry leading solution.

We offer a comprehensive set of services to replace an existing payments solution and to monitor your production application 24x7.

Our customers include Fortune 500 companies in Telco and Financial Services.

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