

Retailer of Religious Products Deploys PCI Compliant Solution that Leads to Core Switch Upgrade

With a short window to achieve Payment Card Industry (PCI)-compliant security, this retailer turned to Cisco and added intrusion detection and prevention and event management to the mix of solutions.

EXECUTIVE SUMMARY
RELIGIOUS PRODUCTS RETAILER <ul style="list-style-type: none"> • 140 stores in 24 states • 700+ employees
BUSINESS CHALLENGE <ul style="list-style-type: none"> • Achieve PCI Data Security Standard (DSS) compliance for all point-of-sale terminals • Enhance security and management of core infrastructure
NETWORK SOLUTION <ul style="list-style-type: none"> • Cisco PCI Solution for Retail
BUSINESS RESULTS <ul style="list-style-type: none"> • Heightened security at the point-of-sale and data center for transaction data with new Cisco switches with VPN and security features • Established better management of network resources with agent software running in the store and in the network data center and with Cisco MARS providing greater visibility into all network events

Business Challenge

This religious nonprofit organization is one of the world’s largest providers of religious products and services, including bibles, church literature, books, and music. The company owns and operates retail stores, an online store, and several conference centers.

As a Type 2 PCI vendor, the company’s point-of-sale infrastructure had to conform to the PCI Data Security Standard (DSS) by December 2007. During the same period, the company wanted to enhance the security and management environment within their network core infrastructure to guard against intrusions and ensure high availability. A solution was needed that wasn’t overly complex and time-consuming to manage on an ongoing basis, due to their small IT staff.

Network Solution

The Cisco account team discussed the PCI requirements with the customer and the account manager brought in a product sales specialist for security to map the PCI requirements to Cisco solutions.

“The company was already encrypting their data sent from stores to the data center, so the focus was on securing the data center and the network core,” recalls the account manager. “They purchased a Cisco Catalyst 6509 Series switch and a Cisco Catalyst 6513 for backup and disaster recovery.”

Additionally, the Cisco ASA 5520 Adaptive Security Appliance was deployed, with the integrated Cisco Advanced Inspection and Prevention Security Services Module (AIP-SSM). The Cisco ASA 5500 Series provides firewall and VPN services in a single, easy-to-deploy platform. The competitive switch solutions that the customer evaluated from Hewlett-Packard and 3COM did not have the versatility of Cisco switches, which allow for security, VPN, and management features to be added in modules. Competitive security solutions from RSA and Checkpoint did not cover the breadth of services available in one vendor solution and the customer did not want to have to manage a variety of different security platforms.

The company also purchased Cisco Security Agent software, which protects their 25-server server farm, desktops, and point-of-sale systems from targeted attacks, spyware, rootkits, and day-zero attacks. Cisco Security Agent provides coverage for nine of 12 requirement areas of the PCI DSS. The software also links endpoint security to the customer's core network security, utilizing intrusion prevention and firewall services to enhance detection and containment of threats. Cisco Security Monitoring, Analysis, and Response System (MARS) was also purchased by the customer for sophisticated network monitoring and reporting.

Business Results

"The customer chose Cisco because of our excellent reputation and because we demonstrated that we knew what we were talking about when it comes to security, both for the point-of-sale and for

the core network," says the Cisco account manager.

"They were very impressed by how they could leverage their core switch to add a variety of services."

The retailer is next looking to leverage their Cisco infrastructure to add wireless LANs in each store and unified communications, along with a future replacement of legacy Adtran routers in the stores with Cisco routers.

PRODUCT LIST
<p>Routing and Switching</p> <ul style="list-style-type: none"> • Cisco Catalyst 6513 and 6509 Series switches
<p>Security and VPN</p> <ul style="list-style-type: none"> • Cisco ASA 5520 Adaptive Security Appliance • Cisco AIP-SSM Module • Cisco Security Agent • Cisco Security Monitoring, Analysis, and Response System (MARS)

For More Information

To find out more about Cisco Solutions for Retail, go to:

<http://www.cisco.com/web/strategy/retail/index.html>



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