



# CASE STUDY



## SEQUOIA RETAIL SYSTEMS ACHIEVES PCI 6.6 COMPLIANCE USING BREACH SECURITY'S WEBDEFEND®

### ABOUT BREACH SECURITY

Breach Security, Inc. is the leading provider of real-time, continuous web application integrity, security and compliance that protects sensitive web-based information. Breach Security's products protect web applications from hacking attacks and data leakage and ensure applications operate as intended. The company's products are trusted by thousands of organizations around the world, including leaders in finance, healthcare, ecommerce, travel and government.

*"We selected Breach Security's WebDefend because it provides the best, most comprehensive insight into the behavior of our web applications on a continuous, real-time basis."*

— **Jeremy Bowers**  
Security Manager  
Sequoia Retail Systems

### ABOUT SEQUOIA RETAIL SYSTEMS

Sequoia Retail Systems, Inc. is the leading independent provider of comprehensive point-of-sale, inventory control, ecommerce and textbook management systems to colleges and universities throughout the nation. With a sole focus on technology and a staff that includes many industry veterans, Sequoia has grown with its customers over the last 20 years.

*WebDefend web application firewall provides insight into the behavior of web applications on a continuous, real-time basis*

Sequoia Retail Systems, Inc. is the leading independent provider of comprehensive point-of-sale, inventory control, ecommerce and textbook management systems to colleges and universities throughout the U.S. Prestigious educational institutions, including Duke University, University of Texas, Syracuse University and the Naval Academy, use Sequoia's products and services.

Hosting e-commerce systems and transactions for its clients, Sequoia needed to meet the latest Payment Card Industry (PCI) Data Security Standard (DSS) Requirement 6.6, which is designed to reduce compromises on web-facing applications that result in breaches of cardholder data using a web application firewall, external code review or vulnerability scan. The company decided to research web application firewalls given the June 30, 2008 deadline, rather than attempting to integrate external code review into its development cycle.

"We selected Breach Security's WebDefend because it provides the best, most comprehensive insight into the behavior of our web applications on a continuous, real-time basis," said Jeremy Bowers, security manager for Sequoia Retail Systems. "WebDefend goes beyond vulnerability scanning efforts, secure coding initiatives and network security solutions to immediately let us know about approaching threats and specifically alert us to what may be attacking the system. The device serves as a stop-gap measure to prevent threats from affecting our college and university clients, or the cardholder data of their users."

Sequoia is using WebDefend to protect all e-commerce web sites hosted for its clients. In addition to immediate compliance with PCI Requirement 6.6, the company found WebDefend's intuitive interface easy to use, and was able to implement and deploy the device in less than a day. WebDefend is able to detect credit card information and mask the data it captures. The appliance's straightforward maintenance and unique out-of-line deployment also proved to be important factors in Sequoia's decision. WebDefend's position provides access to all inbound and outbound data with no impact on Sequoia's website performance, which helps ensure that ecommerce customers experience no latency.

WebDefend uniquely identifies and reports on application defects that impact the security, functionality and availability of web applications. Defects include programming mistakes, application errors or failures, and unsecured code. As a company that hosts ecommerce sites and transactional systems, it was imperative that Sequoia protect clients against any threats or application defects that could negatively impact a user's ecommerce experience.

"WebDefend's proactive security measures, such as the ability to learn the normal behavior of our web applications, were what mattered most to Sequoia during the selection process," said Bowers. "The intuitive interface, ease of use, rapid deployment and straightforward maintenance were additional benefits that made our decision even more clear."