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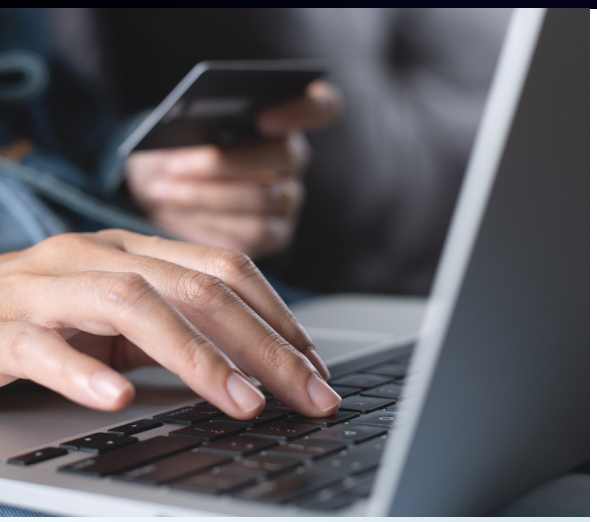
CASE STUDY

Enterprise E-Commerce Merchant Meets and Maintains PCI Compliance



INDUSTRY
Retail/E-commerce

LOCATION
Global

EMPLOYEE COUNT
2,000+

SOLUTION
CimTrak Integrity Suite

CUSTOMER SINCE 2010

At the customer's request, identifying information has been withheld to protect details of their cybersecurity environment. This case study represents a verified CimTrak deployment and actual operational outcomes.

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The Payment Card Industry Data Security Standard (PCI DSS) is a set of requirements designed to help businesses that store, process, or transmit payment card information protect sensitive data from theft, misuse, and breaches.

As a major direct merchant and a leading player in both e-commerce and catalog retail, this organization operates at a scale that demands strict adherence to these standards to safeguard its customers and maintain trust

THE PROBLEM

With more than 2,000 employees across multiple global locations, this organization needed to ensure that PCI compliance would not only have a seamless implementation, but that it would also be easy to manage. The need to achieve and maintain **Level 1 PCI DSS v4.0 compliance** was a high priority, as the organization's commitment to data security was a top priority for their clients.

THE SOLUTION

The solution to help with this organization's goal of achieving and maintaining PCI level 1 compliance was to implement CimTrak file integrity monitoring software. CimTrak automatically checked critical configurations on Windows systems against baseline security standards. This replaced the manual checking of the registry keys and security policies previously in place, saving large increments of time for information security personnel.

Complete reporting also allowed infosec personnel to "see at a glance" if system settings were compliant. Report details provided insight into what the compliant settings should be to remediate any non-compliant settings should they occur.

For example, to help monitor additional PCI requirements, such as **10.3.4**, which ensures that existing log data cannot be changed without generating alerts, and **11.5.2**, which requires change detection to identify unauthorized modifications to critical files, the CimTrak PCI configuration module automatically mapped system registry keys and security policies and compared those values to the PCI DSS requirements.

KEY BUSINESS OUTCOMES

- Met PCI Data Security Standards by implementing an industry-leading file integrity monitoring solution.
- Satisfied PCI DSS requirements (**PCI 10.3.4** and **PCI 11.5.2**) through automated change detection and validation, ensuring continuous compliance.
- Streamlined PCI compliance management without disrupting business operations, maintaining productivity during implementation.
- Increased operational efficiency by automating compliance reporting and eliminating manual configuration checks, freeing information security staff to focus on higher-value initiatives.
- Gained complete visibility and control through real-time alerts and centralized monitoring, enabling faster response to unauthorized system changes.

THE OUTCOME

CimTrak was implemented in this organization to assist with real-time file integrity monitoring (FIM) across multiple locations, globally. This implementation allowed the company to receive reports on changes while meeting **PCI DSS v4.0** requirements. As the company continues with its growth trajectory, the implementation of PCI DSS v4.0 compliance was not only a requirement but a necessity.

Utilizing file integrity monitoring and log file monitoring ensured that existing log data could not be changed without generating alerts (**PCI DSS v4.0, Requirement 10.3.4**).

CimTrak provided real-time file integrity monitoring without taxing system resources for the company. By deploying CimTrak, analysts and information security managers were able to receive alerts when an unauthorized modification of critical system files, configuration files, and content files occurred. The software was also configured to perform critical comparisons at least weekly (**PCI DSS v4.0, Requirement 11.5.2**).

> *"What I like about CimTrak is that it is so easy to set up. Within a half-hour, we were up and running. With Tripwire®, which I've worked in within past organizations, it was pretty intense to set up. We looked at a few others, including Tripwire®. Many of the others didn't offer the same benefits. They are nothing like CimTrak."*

Mark
Security Analyst

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Cimcor develops innovative, next-generation, file integrity monitoring software. The CimTrak Integrity Suite monitors and protects a wide range of physical, network, cloud, and virtual IT assets in real-time, while providing detailed forensic information about all changes. Securing your infrastructure with CimTrak helps you get compliant and stay that way.

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