

CASE STUDY

Safeguarding Digital Integrity: Web Monitoring for a Major Financial Firm

COMPANY OVERVIEW

This financial firm in Singapore plays a significant role in managing substantial assets. Working alongside other key stakeholders, this firm operates with a long-term investment perspective, aiming to preserve and potentially grow the value of entrusted funds.

CHALLENGE

As a prominent firm in the FSI industry, they must protect their online web presence, to prevent any reputational damage or loss of customer trust due to defacements.

Over the years, the firm has layered various security tools such as a web application firewall. Still, while this approach reduced attackers' ability to deface websites, it missed emerging attack vectors. Thus, the firm needed an additional layer of protection against web defacement attacks.

COMMON CAUSES OF DEFACEMENT ATTACKS

- Unauthorized access
- SQL injection
- Cross-site scripting (XSS)
- DNS hijacking
- Malware infection

SELECTING WEBORION® MONITOR

As the firm evaluated possible solutions in the market, WebOrion® Monitor stood out from the competition due to its unique offerings.

► Comprehensive approach

WebOrion® Monitor can be integrated with WebOrion® Restorer to provide a one-click failover to a temporary secure replica of a company's website. Thus, in the event of a defacement attack, the firm's online web presence is preserved and its IT team has time to investigate and address the issue. Furthermore, the secure replica does not have the security vulnerabilities of the original website, preventing re-defacements.

► Ability to detect more defacement scenarios

WebOrion® Monitor is capable of identifying a diverse range of defacement scenarios, including drive-by downloads and partial defacement.

► Scalability

With the ability to monitor over 10,000 URLs, the firm could confidently deploy WebOrion® Monitor.

► Ability to cover all types of websites

Whether it is a corporate portal, a customer-facing application, or an internal platform, our solution is designed to cover all types of websites. In today's interconnected digital ecosystem, overlooking any facet of web presence can prove costly. With this ability, the financial firm is assured that every aspect of its online assets is monitored.

DEPLOYMENT WITH MSSP

WebOrion® Monitor was seamlessly integrated into the cybersecurity infrastructure of this financial firm, in collaboration with a MSSP. With the MSSP at the helm, they assume full responsibility for the deployed solution, ensuring proactive management and swift response to evolving threats.

RESULTS



Granular monitoring and near 100% catch rate

WebOrion® Monitor offers granular monitoring capabilities through its six engines, with a 99% catch rate for unauthorised changes.



87% decrease in false positives

Through meticulous fine-tuning and collaboration between our team and the MSSP, we achieved a reduction of over 87% in weekly false positives. This ensures our solution delivers actionable insights, allowing the IT team to focus their attention where it is truly needed.