CASE STUDY

Enhancing Web Security in the Aviation Industry

COMPANY OVERVIEW

The company is a large enterprise that fulfils a key role in developing, operating and managing a broad range of services and facilities in the aviation industry.

CHALLENGE

As a prominent firm in the aviation industry, various customers, suppliers, and even national image are highly dependent on its smooth and continued operation. They must ensure that their web applications and websites are well protected, to prevent any reputational damage or loss of customer trust due to data breaches, defacements, or other cyber attacks.

Over the years, the firm has layered various security tools to achieve comprehensive web security. However, this approach resulted in having to work with multiple vendors to manage several tools, increasing operational complexity.

COMMON WEB APPLICATION ATTACKS

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

SELECTING WEBORION®

As the firm evaluated possible solutions in the market, WebOrion® stood out from the competition due to its unique offering as a complete security stack that delivers comprehensive web application security.

▶ WebOrion® Protector

An industry-leading Web Application Firewall (WAF) built for modern web applications, WebOrion® Protector serves as the first line of defence. Leveraging advice from the world's leading experts in web application security stemming from Cloudsine's good relationship with the global OWASP community, WebOrion® Protector was designed to be the best WAF for delivering the OWASP Core Rule Set ("CRS") and more.

▶ WebOrion® Monitor

A web anti-defacement monitoring solution based on Cloudsine's very own patented technologies, WebOrion® Monitor provides a unique set of counter measures against web hacking. Using the combined capabilities of six different analytics engines, WebOrion® Monitor is compatible with both static and dynamic websites and can detect a wide range of attacks including defacements, drive-by downloading, and Blackhat SEOs.

▶ WebOrion® Restorer

A solution that enables swift response and recovery of web presence in the event of a defacement. WebOrion® Restorer is designed to be integrated with WebOrion® Monitor 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.

SEAMLESS DEPLOYMENT AND OPERATION

WebOrion® was seamlessly integrated into the cybersecurity infrastructure of this client. With the ongoing support of our experts, we continuously help them ensure proactive management and swift response to evolving threats.

RESULTS

Comprehensive security against the OWASP Top 10 Web App Security Risks

The combination of WebOrion® Protector, Monitor and Restorer gives our client the assurance that their defence against the most common and critical web application attacks has no gaps, allowing the IT team to focus their attention where it is truly needed.

Long-term incident-free record

Since its deployment in 2019, WebOrion® Protector has blocked thousands of malicious requests, keeping the client's website free from downtime caused by web application attacks.