In collaboration with **Pento** SECURITY

Boosting AWS WAF Management Experience with Cloudbric WMS.



Providing Stable Service Operation and Customer Data Security

Cloudbric WMS is a managed service provided by Penta Security that increases efficiency in the use of AWS WAF. Cloudbric WMS maintains a stable level of security by providing an optimized WAF security rule in accordance with the unique environment of the user.



Why is a Managed Service necessary

Operating and managing Web Application Firewalls (WAF) can be quite challenging for those without security expertise. Cloudbric WMS utilizes Penta Security's security rules to provide systematic management of WAF and effective measures against the latest web hacking threats to save time and resource for the user.

Benefits



Secure and Convenient Management

- Optimized Security Policies by Experts
- Automatic Log Analysis System



Enhanced Service Reliability

- Rule Set with High Detection Rates
- Systematic Risk Detection and Response
- Resolve Fundamental Causes Through Log-Based Responses



Cost Saving in Operations

- Reduced Human Resources for Security Policy Operation
- Minimized Unnecessary Costs Through the Hacking Prevention

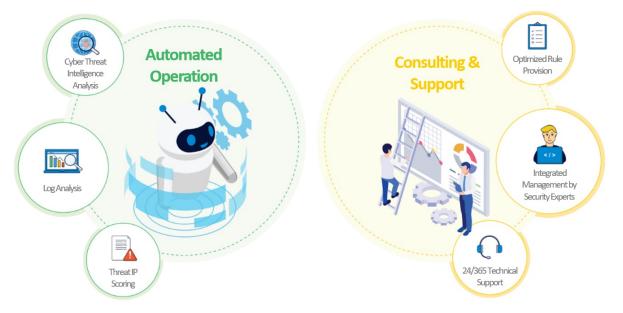


Improved Company Image

- Smooth Operations via Cybersecurity Preparedness
- Increased Customer Trust via Secure
 User Information Management

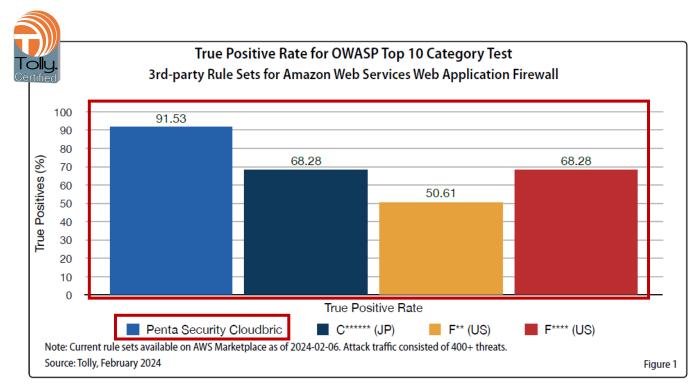
Automated Security Rules Operation and Management

Based on the analysis on the user's AWS WAF logs and the latest cyber threat Intelligence, the Web Security Experts of Penta Security provides consulting to the users to optimize and manage the security rules to the unique environment of the user and provide 24/365 technical support when needed.



Equipped with Cloudbric Rule Set with a High True Positive Rate

Cloudbric WMS is equipped with a series of Cloudbric Rule Sets with a true positive rate of 91.53%, which can also be subscribed separately via AWS Marketplace. Cloudbric Rule Sets can effectively respond to various web vulnerability threats as well as Malicious IPs.



Customer Case Study

[The Challenge] Company O is a B2B big data platform company that provides consumer data collected through surveys with various types of response logic. The consumer data collected and managed by Company O is a highly valuable data as it can be utilized in various aspects such as analyzing the market, target, and product preferability in accordance with the specific needs of Company O's clients. Due to its highly valuable data, the Company O required a solution that could not only provide security against data leak-related attacks, but also stable maintenance of the platform. Company O decided to adopt AWS WAF to detect threats and implement appropriate response against the detected threats using the systematic security rules, but because Company O did not have a security personnel who can optimize the security rules of AWS WAF to the specific needs of the company, the company was having difficulties in fully utilizing its security measures. Moreover, as it was guite common for a user or a company to request a large mass of data or share an IP within the network environment when operating a B2B business, it was difficult to determine if the abnormal amount of traffic was in fact an actual threat. To resolve this issue, Company O would have had to invest excessive resources to analyze the AWS WAF logs, evaluate individual IPs, and write a corresponding rule for each IPs to assign appropriate responses.

[The Solution] To address these difficulties of Company O, Penta Security proposed Cloudbric WMS (WAF Managed Service). Cloudbric WMS is a CSP (Cloud Service Provider) WAF management service created by the security experts with over 20 years of experience in the field which enables a more efficient utilization and maximized effect of security rules of AWS WAF even if the customer does not have any security expertise. Additionally, Cloudbric WMS provides an optimized management service with a console that allows the users to review their security through detailed logs and reports. The experts at Penta Security minimizes false positives and negatives by optimizing the security rules of the users by analyzing the users' traffic logs. Cloudbric WMS also provides a Malicious IP Reputation feature that automatically updates threat IPs collected over the past 30 days to detect IPs with abnormally high request volumes and distinguishes the actual threats from legitimate requests. The legitimate requests are then provided with appropriate response, and the threat IPs are effectively blocked.

[The Result] After implementing Cloudbric WMS and completing the optimization of security rules, Company O was very satisfied with the seamless service operations and robust security rules. As a B2B big data platform, Company O required security rules optimized to a unique situation and environment. Through optimized security policies, Company O could securely protect high-value data assets while distinguishing IPs with high request volumes without inconveniences. Company O was able to gain increased credibility for its services by maintaining the security stability through Cloudbric WMS.

How Cloudbric WMS and AWS WAF benefit your business

AWS WAF is trusted by many customers due to its robust security features. However, users need to continuously manage and maintain AWS WAF to utilize its advanced security features to its full potential. Many companies and organizations either lack the resources to hire security experts or are unaware of the necessity. Relying solely on human resources to manage security poses significant risks, considering that security management requires not only stability, but also continuity. Cloudbric WMS configures and manages optimized security rules for customers, reducing costs associated with security while enhancing service stability. It also offers 24/7 sustainable customer support, maximizing the usability of AWS WAF.

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Penta Security is an official partner of AWS, and the technical validity of all Cloudbric products provided through AWS and AWS Marketplace have been evaluated and approved by the Foundational Technical Review.