



Traceable AI + AWS Web Application Firewall

Enhancing Web Application and API Security with AWS WAF and Traceable AI

In today's rapidly evolving digital landscape, securing web applications is critical. APIs (Application Programming Interfaces) have become essential, yet they are increasingly vulnerable to attacks. In fact, according to the 2023 State of API Security report, 74% of organizations experienced three or more API-related breaches in the past two years. To protect these vital components, robust security measures like AWS Web Application Firewall (WAF) and Traceable's API Security Platform are crucial. This overview explores how AWS WAF and Traceable AI work individually and together to enhance security, providing businesses with comprehensive protection against API and web application threats.

AWS WAF - Frontline Defense for Cloud Applications

AWS Web Application Firewall (WAF) is a cloud-native service designed to protect web applications from common web exploits. It provides customizable protection by allowing users to create rules that block or monitor HTTP requests based on specific conditions, such as IP addresses, HTTP headers, or URI strings. AWS WAF is particularly effective against common threats like SQL injection, cross-site scripting (XSS), and bot attacks. It integrates seamlessly with other AWS services, offering scalable security that grows with your application.

Key Security Use Cases

- ✓ AWS Web Application Firewall
 - Web traffic filtering
 - Prevent Account Takeover
 - Administer AWS WAF with APIs
- ✓ Traceable API Security Platform
 - API Discovery
 - Threat Detection
 - Attack Protection
 - Fraud and Bot Prevention
 - API Security Testing
 - Gen AI API Security



Traceable API Security Platform - Context-Driven API Security

Traceable AI offers an advanced API security platform, which provides unmatched visibility, threat detection and protection, along with API security testing - across the entire API ecosystem. Traceable continuously collects and analyzes data from every API, tracking user behavior, API calls, north-south and east-west traffic, and sensitive data flows. This deep contextual understanding allows Traceable to identify and protect against sophisticated API attacks, including those that traditional security measures like WAFs would miss. Traceable's platform is built to support large-scale deployments, providing enterprises with real-time insights and actionable security recommendations.

How Traceable and AWS Protect Enterprise Web Applications and APIs

When combined, AWS WAF and Traceable AI provide a powerful, multi-layered defense for web applications and APIs. AWS WAF acts as the first line of defense, blocking common web-based threats (i.e. OWASP Top 10) at the network edge of cloud applications. Traceable AI enhances security by providing deep, contextual analysis of API traffic, enabling the identification of complex attacks (i.e. business-logic based attacks) at the API layer. Administrators can then use the Traceable API Security Platform to create custom rules, which integrate seamlessly with AWS WAF, to block these attacks.

Together, these two technologies ensure that businesses are protected from a wide range of threats, from simple web exploits to sophisticated API abuse and fraud. To learn more about the integration between AWS WAF and the Traceable API Security platform, visit [here](#).

Gartner
Peer Insights.



Traceable has the comprehensive solution for protecting all API endpoints in all deployment models - very customizable and easy to operate.

Pathik Patel,
Head of Cloud Security,
Informatica

Gartner
Peer Insights.



It's a single control center allowing superior monitoring and tracking of all API traffic.

Sr. Security Engineer,
Large Financial Organization



Defending the Modern Application Attack Surface

The integration of AWS WAF and Traceable API Security Platform offers critical defenses in this cloud-centric, API-driven world. This combination ensures that organizations can confidently expand their cloud and API operations without increasing their exposure to security threats.

- **Comprehensive Security Coverage:** The integration of AWS WAF and Traceable AI ensures that web applications are protected from both traditional web threats and advanced API-based attacks, offering end-to-end security.
- **Enhanced Visibility:** Traceable's deep data collection and analysis provide unparalleled insights into API behavior, helping security teams detect and respond to threats in real time.
- **Scalability:** Both AWS WAF and Traceable AI are designed to scale with your applications, ensuring consistent protection as your business grows.
- **Ease of Integration:** AWS WAF's seamless integration with AWS services combined with Traceable's versatile deployment options ensures that security can be implemented quickly and effectively without disrupting operations.
- **Actionable Insights:** Traceable AI provides detailed analytics and recommendations, allowing businesses to continuously improve their security posture and reduce their attack surface over time.

In an era where web applications and APIs are increasingly targeted by attackers, combining the strengths of AWS WAF and Traceable AI offers businesses a robust and scalable security solution. For organizations looking to enhance their security posture, the integration of AWS WAF and Traceable AI is a compelling solution that addresses both current and emerging threats.

Traceable API Security Platform is Built for Enterprise Scale

- Over 500 billion API calls protected per month
- More than 50,000 critical vulnerabilities found each week
- Over 200,000 API attacks detected and blocked each month

[Learn More or Request a Demo](#)

For more information on Traceable AI, visit www.traceable.ai or visit us on the [AWS marketplace](#).



About Traceable

Traceable is the industry's leading API security company helping organizations achieve API protection in a cloud-first, API-driven world. Traceable is the only contextually-informed solution that powers complete API security – API discovery and posture management, API security testing, attack detection and threat hunting, and attack protection anywhere your APIs live. Traceable enables organizations to minimize risk and maximize the value that APIs bring to their customers. To learn more about how API security can help your business, visit <https://www.traceable.ai/>.

www.traceable.ai

