



WAF Generation

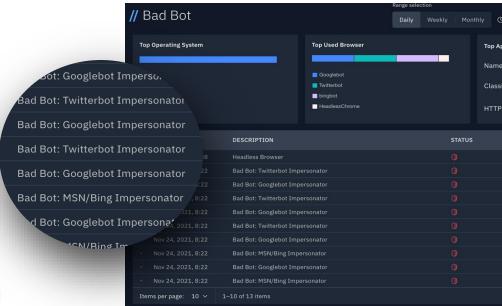


WAF 3.0

Mithril is more than a Web Application Firewall (WAF). It's a **Web Application** and API Protection (WAAP). In fact, WAAP services combine cloud-delivered as-a-service deployment of WAF, bot mitigation, DDoS protection, and API security. But Mithril goes further: it extends WAF functionalities with a lot of modules to better protect your web application (or website), and to increase your web application performance.

These systems are often **delivered as cloud-based services** that offer even more advanced features and capabilities.

- Protect and prevent bypass attempts
- Proactively defends the security of web applications
- Activates a protection system that locates and identifies vulnerabilities
- User control that traces and reconstructs the chain of events of a particular session



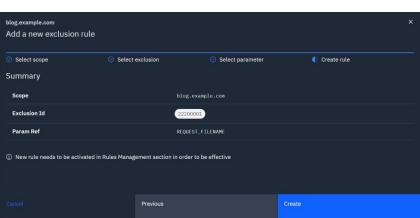


Why Mithril

Mithril Additional Services

- Security operations center (SOC) A team of security experts who monitor your application's security in real-time and respond to threats as they arise.
- Vulnerability assessments Identify and prioritize vulnerabilities that need to be addressed.
- Compliance monitoring Ensure that your application meets industry-specific compliance requirements.
- Incident response Respond to security incidents and help your business recover from an attack.
- Security training For your team on how to recognize and prevent security threats.
- Risk assessments Identify potential vulnerabilities and recommend steps for mitigating those risks.









Mithril WAAP

MFA Social and Passwordless

Performance Caching, Minifying, Compression



Reputation Database Centraly Orchestrated







www.example.com









Web Application Firewall





Password in Data Breach Integration with Have I Been Pwned?





Web Application Firewalls help protect web applications from malicious attacks and unwanted internet traffic, including bots, injection and application-layer denial of service (DoS). The WAF will help you establish and manage rules for avoiding internet threats, including IP addresses, HTTP headers, HTTP body, URI strings, cross-site scripting (XSS), SQL injection, and other OWASP-defined vulnerabilities. Web application firewall are deployed to protect web-facing applications and collect access logs for compliance, and analytics.







Mithril WAAP



Performance

Caching, Minifying, Compression



Password in Data Breach

Integration with Have I Been Pwned?





Security Headers

Security policies inside the user's browser



for CMS, CVEs, Protocol Violation





Bot e Crawler detection

Spam, Impersonators, brute-force, unwanted crawling and scraping



All Mithril customers gain a free SSL certificate generated on our Certificate Manager





Support and SOC

Mithril SOC will analyze blocks and alerts of your website

Activation with a DNS Change

Mithril is a cloud service. Therefore, you don't need to change anything on your website or web application to activate it.





Web Console

Manage web applications or websites







Web Application and API protection as a Service



- SQL Injection (SQLi)
- **⊘** HTTPoxy
- Session Fixation

 - PHP Code Injection
 - Shellshock
 - ✓ Local File Inclusion (LFI)
 - ✓ Java Code Injection
 - ✓ Unix/Windows Shell Injection



BETTER PERFORMANCE OF YOUR WEBSITE

Mithril receives all **web traffic** for your website or web application and protects it from all attacks listed in the **OWASP Top 10**.

Mithril can also serve static content instead of your web server.

Mithril can filter out unwanted **Automated Threats** without affecting the user's experience

Provide a great **user's experience** on your website and great results will arrive soon!





Daily Activity for an E-commerce retail Customer



Use Cases

E-COMMERCE CASE - WHY MITHRIL IS A RELIABLE WAF SOLUTION AGAINST DDoS ATTACKS

- Mithril's custom Javascript Challenge.
- Autoscaling system of the WAF nodes to balance or to scale up depending on the occupation
 of resources.
- Enhanced log collection allowing more accurate and targeted analyses based on customer needs.

These solutions allowed the customer to **identify and block the attack**, restoring the **full operation of the business** in a very short time.

During the attacks (12 million requests that never reached the client's servers), Mithril allowed the site to **continue running without interruption**, leaving the client' servers with very low traffic during the attacks, thanks to Mithril active protection.

The graph of simultaneous connections received by the cloud hosting service and generated by the attack (70-80K)



The customer's site presented various security problems deriving from an incorrect configuration.



After the application of the new configuration by Mithril the customer's site reached the maximum score.

FINANCE CASE - A VIRTUAL PATCHING SOLUTION

The Mithril team first conducted a **Penetration Test** on the client's application, detecting different types of **vulnerabilities** that could be exploited.

Mithril offered an optimal virtual patching solution, offering the maximum level of protection to the customer.

To route the traffic to the client's websites and web applications through Mithril WAF, only a simple change to the DNS zone is required.

With this solution, Mithril made fixing security bugs on the fly eeasy, without having to change the server configuration or the site's source code.







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