wallarm

AI-POWERED SECURITY

Protect Applications and APIs in the Cloud

The Wallarm platform includes real-time protection (NG-WAF), threat verification (DAST), and AI behavioral analytics working together in a comprehensive application security build for the modern technology stack.

Real-time Application Protection

- Cost-effective protection for application and APIs against full spectrum of threats: OWASP Top 10, bots, app abuse and DDos
- Works in full blocking mode (ultra-low false positives) to satisfy compliance requirements
- Dynamic application-specific security rules created automatically
- Centrally managed distibuted architecture
- Cloud-native and integrated with DevOps stack

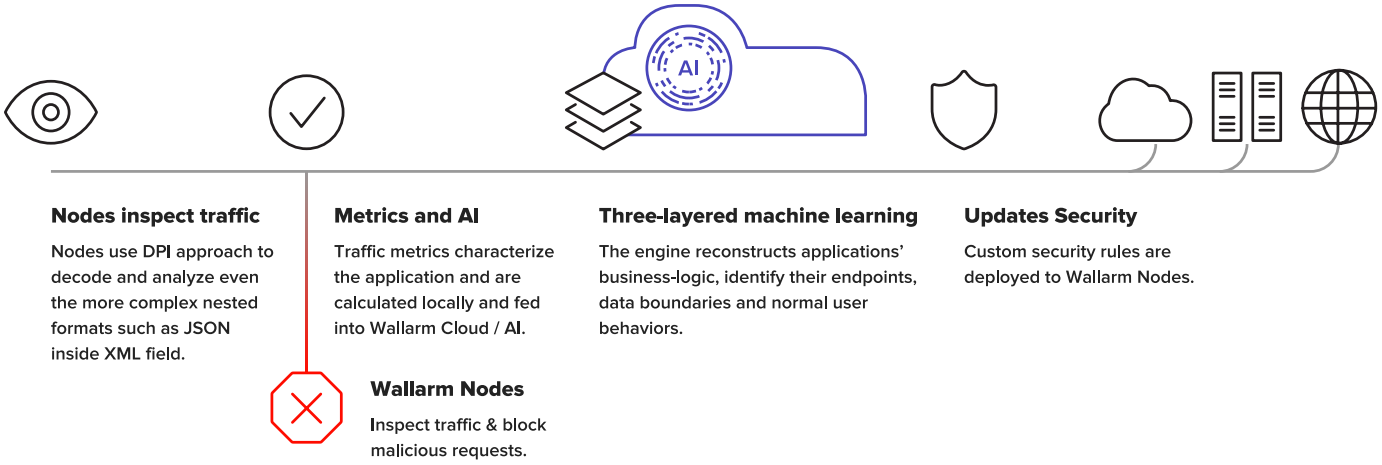
Security Testing

- Active threat verification for discovering application-specific vulnerabilities
- Active and passive vulnerability testing
- Discovery of publicly exposed assets, network services, and ports
- Great for for DevOps team with CI/CD

Wallarm offers an adaptive security platform including an integrated web vulnerability scanner and Next Generation WAF solution with automatically generated security rules based on AI.

Chris Rodrigues
FROST & SULLIVAN

AI-POWERED REAL-TIME PROTECTION



Security is a priority for MedNet Solutions. As a part of migrating MedNet Solutions' EDC product, iMedNet, to AWS, implementing reliable, scalable security was of paramount importance. MedNet Solutions needed to implement Web Application Firewall (WAF) security at the request of customers and to meet HIPAA compliance requirements.

APPLICATION PROTECTION ALTERNATIVES

	Open source WAF	CloudFlare & other CDN add-ons	Legacy hardware WAF	Wallarm NG WAF
Protection against web treats (OWASP Top 10 etc.), bots, and other threats	Requires manual tuning	Basic signature-based protection	Requires manual tuning	Yes
Smart API protection	No	No	Limited	Yes. REST/XML/JSON including nested formats
TCO/Required IT hours	80+ hours per month	40+ hours per month	60+ hours per month	~ 5 hours per month
False Positives	Too high for blocking	Too high for blocking	Too high for blocking	Near zero false-positives with no manual tuning
Cloud Native development / DevOps oriented	No	Yes	No	Yes

ACTIVE THREAT VERIFICATION
AI-POWERED TESTING

Scanner checks every payload

Sending out a series of requests against the application to see if it's vulnerable to attack.

Extracts payloads from attacks

Wallarm extracts a payload, combines it with the information about which part of the application it was targeting & creates a job for the cloud-based scanner.

Reporting an incident

A ready-to-use ticket is created for security issues & the team is notified.

Updates Security

Custom security rules are deployed to Wallarm Nodes.

DAST ALTERNATIVES

Wallarm active threat verification provides improved visibility and provides actionable intelligence. It helps assess the risk of detected security events, which in turn reduces signal-to-noise ratio. A unique feature of Wallarm, Active Threat Verification is a part of the Wallarm DAST module that also includes asset discovery and testing for known vulnerabilities, which also takes into account the application logic detected by the NG-WAF component—all without the browser crawling!

	Quals	Nexus	Wallarm Scanner
Asset discovery	Yes	Yes	Yes
App DAST	Yes	Yes	Yes
Regression Tests	Yes	Yes	Yes
Attack re-checker	No	No	Yes

Web-management interface provides a near real-time view of the traffic along with information about attack and incidents.

01

Battle Tested

- Successfully used by over 120 SaaS and enterprise customers
- Protects over 150M end users
- 88% of customers use Wallarm NG-WAF in blocking mode

02

Future-Proof Tech

- Powered by AI
- Modern stack: Docker, Kubernetes, NGINX
- Cloud native: AWS, GCP, Azure
- Integrates with DevOps toolchain

03

Business Benefits

- Less manual work/lower TCO
- Improved accuracy allows blocking mode/app and API compliance
- Improved visibility and focus on important high-risk incidents

Advantages of Wallarm AI

As applications and attacks grow in complexity and sophistication, traditional protection methods become more cumbersome or break altogether.

Wallarm's approach is principally different from legacy approaches that rely on signatures and have a lot false positives. This approach relies on AI to profile applications and to decide what's normal within the application profile.

The combination of on-site analysis of application requests and responses with cloud-driven reinforcement learning is what allows Wallarm to be

- Fast
- Accurate
- Comprehensive
- Auto-configurable

Automated application environment learning makes Wallarm a good fit for highly distributed infrastructures that change often. It also means that it can detect zero-day threats, in addition to threats that are known, and eliminate many false positives and false negatives by generating a smaller number of security rules that are specifically relevant to the applications under protection.

We have some unusual features in our web, so we needed a company that could adapt their product to us. With Wallarm AI, we successfully identify and block attacks on our product, without dedicated effort from our security team and getting excellent protection

SEMrush security team
www.semrush.com

About Wallarm

Wallarm is an innovative AI startup focused on the security of websites, microservices, and APIs running on public and private clouds.