



Quicksand WAAP

Real-Time Web Application and API Protection at Your Infrastructure Edge

The Challenge

Organizations deploy disconnected security tools — a firewall here, a WAF there, separate logging, and manually assembled compliance reports. This fragmentation creates gaps in visibility, slows response times, and leaves accountability unclear. When incidents occur, teams scramble across dashboards. When auditors arrive, evidence is reconstructed from scattered sources.

The Solution

Quicksand is a Web Application and API Protection (WAAP) platform that inspects, controls, and enforces traffic in real time — deployed at your edge, not in someone else's cloud. Every request passes through a unified decision engine. Every decision is logged. Every action is auditable.

Key Capabilities

- **Sub-Millisecond Enforcement** — Traffic decisions made at line speed without impacting application performance
 - **Intelligent Traffic Control** — PoW challenges, geo-blocking, IP reputation scoring, and URL pattern detection in a single pipeline
 - **Machine-to-Machine Trust** — Session integrity, device trust verification, and adaptive rate control for API and service traffic
 - **Threat Intelligence Integration** — Automatic blocklist updates, score-based escalation, and multi-source feed aggregation via TI Cloud
 - **Audit-Grade Evidence** — Immutable logs, NIS2/DORA compliance reports, and full incident timeline reconstruction
 - **Multi-Tenant Architecture** — Isolated enforcement per tenant with centralized management for MSPs and large enterprises
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Deployment Options

Model	Description
On-Premise	Full control with your own infrastructure and data residency
Cloud-Native	Container-based deployment in your existing environment
Hybrid	Edge enforcement with centralized reporting and management
Managed	Fully managed by a TARA INNOVA certified partner

Compliance Alignment

NIS2 (Articles 21, 23, 24) · DORA (ICT risk management, incident reporting) · GDPR (security of processing) · ISO 27001 · SOC 2 · PCI DSS · NIST CSF

Why Quicksand

- **Your Edge, Your Data** — Enforcement happens at your infrastructure. Your data never leaves your control.
- **Unified Platform** — Single platform replaces WAF + rate limiter + bot management + compliance reporting.
- **EU Sovereignty** — EU-headquartered. EU data sovereignty by design. No third-country data transfers.
- **Continuous Evidence** — Compliance evidence generated at enforcement time, not reconstructed after the fact.