

# High Performance SECURITY



Security incidents such as DDoS attacks, bot threats, and data theft cost companies millions in lost revenue. HAProxy's security capabilities leverage an extremely efficient, flexible and dynamic code base that includes a skillfully built SSL stack and industry-leading ACL and Stick Table tracking systems.

HAProxy Enterprise keeps you ahead of today's threats by extending the core capabilities to include cluster-wide, real-time behavioral analysis, content inspection, adaptive response policies, and much more.

## Advanced ACLs and Tracking

**Flexible Access Control Lists (ACLs) Provide Matching Based on a Myriad of Options:**

- IP / CIDR
- SSL Data
- Map File Support
- Logical Operator Support
- Request/Response Headers and Paths

**Stick Tables Provide:**

- Generic Key-Value Storage
- Combine any Number of Metrics
- Real Time Tracking on any Number of Metrics:
- Request/Error Rate and Counts
- Unique Page Views per IP or User-Agent
- Rate and Counts of Unique User-Agents per IP
- Number of WAF Violations from an IP or User-Agent
- And Much More

## DDoS and Bot Protection

**Detect and Protect against:**

- GET/POST Floods
- Web Scraping
- Brute Forcing
- Vulnerability Scanning
- And Much More
  
- Advanced Fingerprinting

**Response Policies:**

- Request Rate Limiting, Shadow Banning, Tarpitting, and Dropping
- Challenge/Response and reCAPTCHA Support

## Cluster-Wide Tracking

**Stick Table Aggregator Provides:**

- Real Time Aggregated Tracking
- Cluster Wide Behavioral Analysis
- Track and Count Any Aspect of a Request

## Web Application Firewall

- High Performance
- Blacklist / Signature Support
- Whitelist Support
- ModSecurity Ruleset Support
- Detailed Logging
- Whitelist Only Mode

## SSL

- ECC/RSA
- OCSP Stapling
- Reduce Latency by Using OpenSSL Async Engine
- TLS Session Resumption
- Built-in Heartbleed Protection
- Zero Round Trip Time Resumption (0-RTT)

## Extra Capabilities

- HTTP Header Sanitization
- Response Body Injection
- IP Masking Support
- Lua Scripting Support
- Runtime API
- Dynamic Update Support



### WE WOULD LOVE TO HEAR FROM YOU

Contact the authoritative experts on HAProxy who will assist you in finding the solution that best fits your needs for deployment, scale, and security.

**Free Trial:**

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