

Software Load Balancer & Application Delivery Controller



HAPROXY

HAPROXY ENTERPRISE

HAProxy Enterprise Edition combines HAProxy, the world's most widely used open source software load balancer and application delivery controller, with enterprise class features, services and premium support. HAProxy Enterprise Edition is a powerful product tailored to the goals, requirements and infrastructure of modern enterprises.

WHY CHOOSE HAPROXY ENTERPRISE

ROBUST AND CUTTING-EDGE CODE BASE

HAProxy Enterprise combines the best of HAProxy Community stable and development versions. It provides a robust, reliable code base plus the latest cutting-edge features.

ENTERPRISE SUITE

Administration and security focused modules, tools and scripts.

VERSATILITY

HAProxy Enterprise runs in all environments, from bare metal, containers and virtual servers to on-premise data centers or public/private clouds. It integrates with popular DevOps and service discovery tools.

RELIABLE PERFORMANCE

Proven reliability since 2000 and extreme performance based on innovative code optimizations.

ADVANCED SECURITY

Through mitigating attacks for top sites in the world, our powerful DDoS and anomalous behavior detection engine was born and constantly improves.

EXTENSIBLE FEATURES

Robust core code allows for the native delivery of a wealth of features based on powerful configuration language.

SUPPORT

Full 24x7 support and 5-year maintenance guarantee for HAProxy Enterprise Premium customers.

EXPERTISE

Team of experts including the HAProxy core development team for incident response and complex troubleshooting.

REPUTATION

Trusted by many of the top websites and cloud providers in the world.

FEATURE COMPARISON

HAPROXY Enterprise

HAPROXY Community

Advanced HTTP/TCP Load Balancing and Persistence



Advanced Health Checks



Application Acceleration



Advanced Security



Advanced Administration



Backported Features From HAProxy Dev Branch



24x7 Support



Real Time Dashboard



VRRP and Route Health Injection HA Tools



ACL, Map, and TLS Ticket Key Synchronization



Advanced Application-based DDoS and Bot Protection



Bot Detection



Web Application Firewall



HTTP Protocol Validation



Realtime Cluster-Wide Tracking



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:

WWW.HAPROXY.COM

CONTACT@HAPROXY.COM

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FEATURES

SECURITY

Reverse Proxy

Proxies all traffic from the internet to your backends through HAProxy in order to ensure all open services are intended and requests logged.

HTTP Validation

Validates that requests comply with the protocol specifications before sending them on to backend servers.

Advanced Application-based DDoS Protection

Blocks requests from clients based on multiple metrics and arbitrary criteria, over a configurable time window.

Anomalous Behavior Protection

Combines multiple metrics about a client's behavior into information for backends or to make routing/access decisions.

Dynamic ACL Updates

Updates ACL, Map, or TLS ticket key files in memory normally loaded from disk during HAProxy startup during runtime.

Traffic Filtering

Uses ACLs to detect any condition in HTTP(S) traffic and route or block the request as desired.

Antibot Module

Sends JavaScript challenges to requests selected by ACL rules.

reCAPTCHA v2

Support for presenting clients who have exhibited anomalous traffic patterns with a Google reCAPTCHA v2 challenge.

Sanitize Module

Filters and verifies that HTTP header names and contents comply specifically with the HTTP specification.

Fingerprint Module

Generate a unique identifier based on a client request.

WAF Module

High performance Web Application Firewall that supports multiple modes including blacklist based signature support, whitelist only mode, and ModSecurity ruleset support.

LOAD BALANCING

Comprehensive LB Methods

Round robin, URI, IP address, and other hashing methods supported for routing requests. These methods are overridable with cookies and stick tables to provide session persistence.

Advanced Routing Decisions

Sends requests to specific backends based on URL (or parts thereof), domain name, file extension, client IP address, health state of backends, number of active backend connections, SSL client certificate state, etc.

Stickiness/Persistence

Maintains users' sessions based on TCP/IP information (client IP, port or TCP payload) or any property of the HTTP request (cookies, headers, URI, etc.).

Extensive ACL System

Make advanced decisions based on any TCP/IP information or HTTP attribute with full logical operator support.

LUA Scripting Support

Allows LUA scripts to provide information to ACLs or generate and send responses.

HIGH AVAILABILITY

Advanced Health Checks

Active and passive health checks give flexibility when it comes to monitoring the status of your backend servers. You can also deploy Agent software to remotely push state changes to HAProxy from your monitored servers.

Slow Start

Slowly increases the rate of new sessions sent to a backend when it comes up instead of sending the normal weight all at once.

Slow Stop

Stops sending new requests to a backend, but still allows sticky sessions to continue to use that backend.

Traffic Overload Protection

Limits the maximum number of connections assigned to backends, either sending them to other backends or queuing the requests in HAProxy if that limit is reached.

Hitless Reloads

Reloads of HAProxy do not lose any connections for upgrades or changes to the configuration.

Route Health Injection (RHI)

An optimized version of a third party software that allows for the control of routing protocol announcements based on the health of the network and the HAProxy service for active/active clustering.

VRPP

Optimized version of the keepalived daemon for active/passive clustering.

APPLICATION ACCELERATION

High Performance SSL/TLS

Terminates SSL/TLS on the HAProxy server, optionally establishing an SSL/TLS connection to the backend server.

Advanced SSL Algorithm Selection

Automatically picks the optimal certificate for a given client out of ECC and RSA.

HTTP/2 Support

Support for end-to-end communication via the HTTP/2 protocol.

gRPC

Capable of routing and load balancing gRPC calls between services, taking advantage of its efficient, binary serialization.

Multithreading

Splits processing across multiple threads while sharing the same memory space.

Object Caching

Object caching is a handy feature for web application acceleration. Its main objective is to offload some of static content delivery from the application servers so they can perform their primary duty – delivering the application.

Connection Pooling

Reuse idle connections between HAProxy and backend servers to save time.

Compression

Compresses HTTP responses from backends before passing the response on to the client.

Geolocation Support

Allows for loading geolocation databases from multiple vendors into HAProxy for advanced request handling, routing, and for passing the information on to the application servers. Provides live updating of geolocation databases from a central location.

Device Detection

Gets information about a client by passing the user-agent string to one of HAProxy's supported device detection databases.

ADMINISTRATION

Runtime API

Gives the ability to programmatically pull data from or make changes to HAProxy during runtime such as:

- Pulling statistics for graphing or monitoring for multiple tools
- Enabling/Disabling backends for maintenance without reloading
- Changing backend IP's/ports/weights
- Updating ACL, Map, or TLS ticket key files

DNS for Service Discovery

Dynamically scales the number of backend servers by querying the service registry over DNS. Maintains the IP address, port, and weight of the servers within HAProxy.

Server Templates

Enables the provisioning of multiple backend servers with a single server line to be filled in during runtime.

Extensive Logging

Logs information about requests, supporting both syslog and cloud native logging; including http request information, reasons why the request failed to complete, request timing, and custom fields.

Update Module (LB and TLS)

Updates maps, ACLs and TLS ticket key files in memory automatically during runtime from any HTTP(S) server.

Real-Time Dashboard

Provides a view of your services' health, rates, and load along with aggregation of stats across multiple instances. In addition, it facilitates administrative tasks such as enabling, disabling and draining backends.

Configuration API (CLI and REST)

Gives the ability to programmatically add, modify, or remove sections of your configuration over the command line or HTTP and keep services separated with multi tenancy support.

Stick Table Aggregator

Provides realtime aggregated values from stick tables across multiple processes or servers in a cluster which allows for realtime cluster-wide tracking

SSO Module

Enables the implementation of SSO (Single Sign On) on a Microsoft Active Directory domain.

SUPPORT LEVELS

► PREMIUM SUPPORT

Hours: 24x7

Critical Issue:

Target Response Time - 30 mins

Moderate Issue:

Target Response Time - 2 days

Informational Issue:

Target Response Time - 3 days

Communication:

E-Mail, Phone or Web

Consultative Support

Prompt Maintenance and Updates

► BUSINESS SUPPORT

Hours: 9am-6pm

Critical Issue:

Target Response Time - 8 hours

Communication:

E-Mail, Phone or Web

Prompt Maintenance and Updates