

You like HAProxy? You'll love HAPEE!

HAPEE– HAProxy Enterprise Edition –includes all the most commonly used additional modules of HAProxy, the high-availability load balancing open source software, in an optimized packaged version for simpler implementation and maintenance. It comes as a subscription which includes maintenance updates, support, and expert assistance from HAProxy Technologies, to bring you the best of the open source software backed by our enterprise class guarantees.

HAPEE: a stable, scalable solution

HAPEE is made up of a set of validated and compatible modules and scripts often used in conjunction with HAProxy and which are providing several essential features for the reliability and performance of your application platforms. HAProxy Technologies team integration work will avoid you many deployment problems (management of dependent libraries, conflicts with other software or existing HAProxy installation, etc.) and will save you a huge amount of time.

A team of experts for a full professional support

From the start, HAProxy Technologies experts have acquired an in-depth knowledge of HAProxy, benefiting from a very close collaboration with the software founder and development team. Our support team, is available through numerous channels in order to meet your needs: Web forms, distribution lists, IRC, phone, or e-mail.

Why choosing HAPEE?

- **Reputation:** HAProxy is largely used Worldwide and in some of the most demanding and renown platforms.
- **Reliability:** Long Term Support branch, extensively tested before being packaged.
- **Ease of use:** Every module is pre-configured and validated for your environment.
- **Flexibility:** Easy to integrate in a cloud environment.
- **Security:** You control your update and security policy.
- **Low cost:** Excellent price / performance ratio and extensive features.
- **Scalable:** May be deployed and sized according to your needs.
- **Assistance:** Unrivaled HAProxy expertise from a proactive and bilingual (French/ English) team
- **Extensions:** Security focused modules adapted to each business activity.

HAProxy and HAPEE comparison

HAPEE brings the following benefits:

- **Backport and support of some features available in next version of HAProxy**
 - Dynamic type casting for any input sample
 - 18 new table lookup converters
 - Session trackers in http-request ruleset
 - JSON encoder
 - and much more
- **Loadable module support, with the following modules available:**
 - Botnet protection
 - Client fingerprinting
 - Content (ACLs, maps) auto-update
 - Advanced Persistent Threat (APT) Protection
- **Supported third party software**
 - Keepalived (VRRP)
 - Bird (Route Health Injection)
 - Net-snmp server (64 bits)
- **Advanced configuration for packages provided by distributions**
 - Net-snmp server
 - Rsyslog
- **Operating system tuning**

	HAProxy 1.4	HAProxy 1.5	HAPEE
HAProxy 1.0 to 1.4 compatibility	full	full	full
HAProxy 1.5 compatibility	-	full	full
HAProxy 1.6 compatibility	-	-	partial
Keep-alive support	client	full	full
SSL support	-	full	full
Proxy Protocol	-	full	full
VRRP clustering	-	-	yes
SNMP support	-	-	yes
System tuning	-	-	yes
Optimized syslog server configuration	-	-	yes
Loadable modules support	-	-	yes
Automatic ACL & map updates over HTTP	-	-	yes
Route Health Injection	-	-	extension
Advanced Persistent Threat (APT) Protection	-	-	extension
Protection against botnets	-	-	extension
Client fingerprinting	-	-	extension

Load balancing to accelerate your applications

All service platforms based on a network infrastructure (such as messaging systems, databases, LDAP directories, and Web portals) can be easily optimized through load balancing.

This traffic regulation method offloads servers and makes full use of their capacity; it allows scalability of any application architecture and ease migration and coexistence of different versions.

High availability to guarantee service

Corporate application platforms have become critical for the enterprise. They must provide high availability and guarantee full continuity of service for users, as well as internal and external clients. HAPEE meets these requirements thanks to its extensive feature set, backed by the service level offered by HAProxy Technologies.

Cloud and SDN

HAPEE's design meet requirements of users of main public clouds whose technical constraints are not adapted to appliance load-balancers. Deployed inside the cloud infrastructure, HAPEE ease application scalability and increase ROI.

HAPEE's configuration flexibility allows simple deployments of applications with strong requirements of HTTP routing requests. HAPEE can also load-balance traffic in front of an Enterprise private cloud.

Features

Load balancing

- Numerous balancing algorithms may be applied by server or by server group, with weighting
- Content switching: request routing based on their content
- SSL: one of the most complete on the market
- Multi criteria session persistence management
- HTTP header management via access control lists (ACL)
- Support Web services and WebSocket

High application availability

- Smooth server shutdown and startup
- Overload protection
- Continuous server monitoring
- High availability (VRRP / Route Health Injection)

Application performance

- HTTP compression
- Management of server logs in offload mode
- Traffic analytic logs with customizable log format
- TCP/HTTP acceleration via buffering
- Dynamic connection control
- Early release of connections
- no limit in number of servers, farms, services (validated in production with 300.000 of each object)

Security

- Reverse-Proxy
- Protocol validation
- Blockage of information leaks
- Protection against DoS, DDoS, worms, brute force, backdoor and Advanced Persistent Threat (APT) Protection

- Real time behavior analysis
- Management of white/blacklists and URL restrictions
- Filtering of HTTP / HTTPS queries and replies

Compatibility

- Protocol compliance
- full support of IPV6
- syslog
- proxy protocol (ELB)
- Integration with standard operating systems
- Backwards compatible with HAProxy configurations

Support service levels

Support is provided for level 1 (critical) through level 4 (minor) incidents relative to HAPEE modules and which have an impact on your platform. Assistance (level 5) requests may cover the configuration, optimization, or integration of HAPEE, and are managed via tickets (max. 2 hours of remote assistance each).

Supported distributions

- Red Hat Linux Enterprise (and CentOS) 5, 6, 7
 - Debian 6 and 7
 - Ubuntu 14.04
- Other distributions may be supported, upon request.

Product life cycle

Our long-term maintenance policy—5 years for a Premium contract—demonstrates our commitment to the product, and guarantees a reliable and sustainable solution.

		HAPEE Starter	HAPEE Business	HAPEE Premium
Modules	HAProxy	yes	yes	yes
	High availability (VRRP)	-	yes	yes
	Measurement templates (Cacti)	-	yes	yes
	Log management	-	yes	yes
	SSL management	yes	yes	yes
	Monitoring (SNMP)	-	yes	yes
	Optimization scripts	yes	yes	yes
	Advanced statistics (HALog)	-	yes	yes
	Supported version (1)	current	V minus 3 years	V minus 5 years
Extensions (extra cost)	GUI (see SNAPT web site)	cf. Snapt	cf. Snapt	cf. Snapt
	Botnet protection	-	yes	yes
	Client fingerprinting	-	yes	yes
	Content auto-update	-	included	included
	Advanced Persistent Threat (APT) Protection	-	yes	yes
	Route Health Injection	-	yes	yes
	Custom needs	-	-	on demand
Services	Maintenance and updates	yes	yes	yes
	Assistance / support tickets	1	3	6
	Support contact	web, email	web, email	web, email, phone
	Support availability	8h x 5bd	10h x 5bd	24h x 7d
	Assistance availability	N/A	N/A	10h x 5d
	Response time for level 1 or 2 incidents	Best effort	BD+1	H+4
	Response time for level 3 or 4 incidents	Best effort	BD+1	H+8
Response time for assistance requests	Best effort	Best effort	D+2	

(1) Limited to the official support of the underlying OS.