HAPROXY
Powering Your Uptime

ALOHA
Load Balancer by HAProxy

Aloha Load Balancer
Rackmount Appliance

ALOHA Load Balancer Rackmount Appliances are designed for companies looking for a dedicated system to ensure efficient load distribution of application streams and to guarentee the availability of their critical or strategic servers.

Load distribution

- Reverse proxy or packet forward mode
- Support for all types of protocols
- Distribution of requests towards specific servers according to their contents (content switching)
- Cookie-based persistence management and session monitoring
- SSL offloading
- Full IP support
- IPv6-ready
- Direct Server Return
- Numerous load distribution algorithms, applicable per group of balanced servers
- Support for Web Services and WebSockets
- URL redirection

High availability

- Continuous monitoring of servers
- Graceful server shutdown
- Overload protection
- Interaction with external routers by route announcement
- Unlimited number of servers per group
- Persistence information shared between nodes

Application performance

- Unlimited number of servers per virtual service
- Management of server logs in offload mode
- TCP/HTTP acceleration by means of buffering
- Dynamic control of connections
- Management of connections open to a server
- Filtering of useless HTTP requests
- Quick release of connections
- HTTP compression
- Advanced reporting of response times per server and application

Application security

- Protection against DoS, DDoS, bots, ...
- Protocol validation
- Blacklist/whitelist management
- ACL management
- URL restriction
- Prevention of information leaks
- Filtering of HTTP/HTTPS requests and responses
- SSL information available via HTTP headers
- Management of SSL client certificates
- Behavior analysis
- Protection against brute force attacks

Integration and administration

- VLAN support (802.1g), multisiteVPN (IPSec or SSL)
- Bridging and aggregation of interfaces
- Integration in transparent proxy mode
- Advanced monitoring and journaling: status of services and applications, connection details, activity statistics
- Web or CLI management interface (SSH or serial port access)
- Tools for malfunction diagnostics
- Multi-level management (supervision and configuration)
- Support of Syslog, SNMP, VRRP and NTP standards
- API
- Support for scriptable configuration
- Simplified management and integration of SSL certificates

ALOHA LICENSES

	PERFORMANCE	Rack DUO	Office	2K	4K	8K	16K	32K	64K
L7	HTTP connections / second	2000	1000	2000	4000	8000	16 000	32 000	64 000
	Gzip bandwidth	1Mb/s	1Mb/s	1Mb/s	1Mb/s	1Mb/s	1Mb/s	1Mb/s	1Mb/s
	Concurrent connections	2000	40 000	10 000	20 000	40 000	80 000	120 000	160 000
SSL	Transactions / second	300	1000	600	1200	2400	4000	8000	16 000
L4	Connections / second	7500	18 000	7500	18 000	40 000	60 000	120 000	200 000
	Concurrent connections	256K	1M	512K	1M	2M	4M	6M	8M

HARDWARE

	FEATURES	Rack DUO	ALB-3100	ALB-5100	
	Network interface	3x 100Mb/s	6 x 1Gb/s	8 x 1Gb/s	(Optional: 2x 10Gb/s)
L7	Output (Level 7 analysis)	100Mb/s	800 Mb/s	3,3 Gb/s	(6,6 Gb/s)
	HTTP requests / s (Keep Alive)	8000	30 000	200 000	
SSL	Transactions / second	300	2400	16 000	
	Key calculations / second	25	400	3600	
	Bandwidth	30Mb/s	270 Mb/s	2,1 Gb/s	(4 ,3 Gb/s)
DDOS	Blocked connections / second	12 000	36 000	300 000	