

HAPROXY ALOHA HARDWARE AND VIRTUAL LOAD BALANCERS



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

LOAD DISTRIBUTION

- ▶ 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



HARDWARE MODELS

Model Features	ALB3200	ALB5200
Hardware Type	Rack 1U	Rack 1U
Power Supply	1	2 (dual)
Network Interfaces	6 x 1 Gb/s	8 x 1 Gb/s + 2 x 10 Gb/s
Supported Licenses	2K, 4K, 8K	8K, 16K, 32K, 64K
Layer 7 Max Bandwidth	3 Gb/s	10 Gb/s
Layer 7 Max HTTP Conn/s	8,000	64,000
Layer 7 Max Req/s (Keep-Alive)	40,000	388,000
TLS 1.2 Max RSA-2048 Key/s	200	3,500
TLS 1.2 Max TPS	2,400	16,000
TLS 1.2 Max Req/s (Keep-Alive)	20,000	285,000
TLS 1.2 Max Bandwidth	800 Mb/s	10 Gb/s
Compression Max Bandwidth (input)	800 Mb/s	6 Gb/s
Layer 4 Conn/s	14,000	200,000
Layer 4 DSR Max Conn/s	40,000	660,000
Layer 4 NAT Max Conn/s	22,000	440,000
Packet Flood Protection Bandwidth	1 Gb/s	10 Gb/s
Packet Flood Protection Packets/s	1.4 Mpps	20 Mpps

AVAILABLE LICENSES

Licenses	2K	4K	8K	16K	32K	64K
Layer 7 Connections HTTP/s	2K	4K	8K	16K	32K	64K
Layer 7 Concurrent Connections	10K	20K	40K	80K	120K	160K
SSL TPS (TLS 1.2)	600	1,200	2,400	4,000	8,000	16,000
Layer 4 Connections/s	7,500	18,000	40,000	60,000	120,000	200,000
Hardware Type	ALB3200	ALB3200	ALB3200 ALB5200	ALB5200	ALB5200	ALB5200

INTEGRATION AND ADMINISTRATION

- ▶ VLAN support (802.1g), multi-site VPN (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

VIRTUAL APPLIANCES

Licenses	2K	4K	8K*	16K*	30K*	50K*
Layer 7 Connections HTTP/s	2K	4K	8K	16K	30K	50K
Layer 7 Concurrent Connections	10K	20K	40K	80K	120K	160K
SSL TPS (TLS 1.2)	600	1,200	2,400	4,000	8,000	16,000
Layer 4 Connections/s	7,500	18,000	40,000	60,000	120,000	200,000
Recommended Hypervisors	All	All	All	All	Hyper-V vSphere	vSphere
Recommended Memory	2G	2G	2G	2G	4G	8G
Min vCPUs	1	1	2	2	2 to 4	2 to 4

*Performance strongly depends on the hypervisor

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 open to a server
- ▶ 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

- ▶ DDoS Protection
- ▶ Bot Protection
- ▶ Protocol validation
- ▶ Blacklist/whitelist management
- ▶ ACL management
- ▶ Protection of select URL's
- ▶ Prevention of information leaks
- ▶ Filtering of HTTP/HTTPS requests and responses
- ▶ SSL information available via HTTP headers
- ▶ Management of SSL client certificates
- ▶ Behavioral analysis
- ▶ Protection against brute force attacks



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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