HAPROXY
Powering Your Uptime

ALOHA
Load Balancer by HAProxy

Aloha Load Balancer
Virtual Appliance - Cloud Ready

For companies, web hosting providers and data centers using virtualised or cloud-based architectures, HAProxy offers its load distribution software as a virtual appliance, available in the form of a virtual image for Vmware, Microsoft Hyper-V™, Red Hat Enterprise Virtualization™, KVM (Kernel Based Virtual Machine) or Xen.

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
- Direct Server Return
- Numerous load distribution algorithms, applicable per group of balanced servers
- Support for Web Services and WebSockets
- IPv6-ready

High availability

- Continuous monitoring of servers
- Graceful server shutdown
- Overload protection
- Unlimited number of servers per group
- Persistence information shared between nodes

Integration and administration

- VLAN support (802.1g), multisite 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

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
- Filtering of useless HTTP requests
- Quick release of connections
- HTTP compression

Application security

- Protection against DoS, DDoS, bots, SQL injection
- Protocol validation
- Blacklist/whitelist management
- URL restriction
- ACL management
- Prevention of information leaks
- Filtering of HTTP/HTTPS requests and responses

ALOHA LICENSES

ALOHA VA MODELS	VA Office	VA 1K	VA 2K	VA 4K	VA 8K	VA 16K	VA 30K	VA 50K
Hypervisor	VMware, Hyper-V ™, Xen, KVM, RHEV ™, XenServer ™						HyperV - Vsphere	Vsphere
Memory min.	2 G	1 G		2 G	4 G		8 G	
Recommended number of vCPUs	2 vCPUs	1 vCPU		2 vCPUs			2 to 4 vCPUs	
Network interfaces	Unlimited, supervisor-dependent							

PERFORMANCE		Office	1K	2K	4K	8K	16K	30K	50K
L7	HTTP connections / second	1000	1000	2000	4000	8000	16 000	30 000	50 000
	Gzip bandwidth	1Mb/s	1Mb/s	1Mb/s	1Mb/s	1Mb/s	1Mb/s	1Mb/s	1Mb/s
	Concurrent connections	40 000	5000	10 000	20 000	40 000	80 000	120 000	160 000
SSL	Transactions / second	1000	300	600	1200	2400	4000	8000	16 000
L4	Connections / second	18 000	3700	7500	18 000	40 000	90 000	120 000	200 000
	Concurrent connections	1M	256K	512K	1M	2M	4M	6M	8M

L7 output and SSL key calculation capacity, SSL bandwidth and DDOS blocking capacity depend on the server hardware and the underlying hypervisor.