loadbalancer.org

Enterprise VA MAX

The Loadbalancer.org Virtual Appliance offers unlimited throughput, bandwidth and features - giving you total scalability.

Eliminate stress with the totally unrestricted Enterprise VA MAX virtual load balancer. Licensed for unlimited load balanced services and backend servers you will never have to worry about scalability again. Could we make your decision any easier?

No other virtual load balancer offers this level of flexibility.

Enterprise VA MAX is certified for various Microsoft applications and is one of the longest VMware approved load balancing solutions. This remarkably flexible appliance supports any TCP or UDP protocols and can be run under VMware, Hyper-V, KVM, Xen or VirtualBox.

- High performance L4/L7 server load balancing
- Advanced application health checking
- Integrated WAF
- Intuitive web based interface
- Microsoft approved

- Active / passive, with stateful failover
- Totally unrestricted license
- One click server maintenance
- Quick view server load stats
- Comprehensive support packages available

Keeping you up 24/7

Enterprise VA MAX

Outstanding Performance

The Loadbalancer.org appliance - ENTERPRISE VA MAX is the fastest way to scale your web site. Simply place two Ultra-reliable Loadbalancer.org appliances (in fail-over mode) between your firewall and your web servers. All web requests are handled by the load balancer and dispatched to individual web servers based on the scheduling algorithm you select. If any web server fails a health check it is immediatly taken out of the cluster so that your customers are not affected.

Standard

Server Load Balancing (SLB) for any TCP or UDP based protocol.
SSL Acceleration/Offload.
Layer 7 Content Switching.
This model is not restricted with virtual or real servers.
No bandwidth, performance or feature limitations.
High performance Direct Routing (N-Path), TUN, NAT & SNAT.
Schedulers: Round Robin, Least Connection, Weighted Least Connection, Weighted Round Robin.
Dynamic Schedulers: Windows & Linux feedback agents,
Custom HTTP feedback option.
Load balance almost ANY protocol i.e. HTTP, HTTPS, SMTP, POP3, IMAP, Terminal Server etc.
Support for Direct Server Return (DSR) configurations
Configurable S-NAT support
Link aggregation (802.3ad)
VLAN Tagging (802.1Q)

Performance

Unlimited Throughput (Host Dependent)
Unlimited SSL TPS (Host Dependent)
Unlimited HTTP Page GETs/second (Host Dependent)
Unlimited Concurrent Session (Host Dependent)

SSL

PCI-ready SSL Implementation
Unlimited support for SSL Certificates
Support for Third Party Certificates
Automated SSL Certificate Chaining
SSL Certificate Signing Request (CSR) Generation
PFX upload and conversion
Proxy protocol support

Security Functionality

Fully integrated WAF (Web Application Firewall)
Persistent White/Black List (Access Control List system)
Firewall filtering (full iptables scripting support)
Firewall lock down wizard
DDOS mitigation both at layer 4 & 7
Virtual patching
HTTP & SYN Flood protection
Block SQL Injection Attacks
Prevent Cross Site Scripting (XSS)
Stop Hackers Exploiting Software Vulnerabilities

Health Checking and High Availability

ICMP health checking of server farm machines
Application health checking for DNS, FTP, HTTP, HTTPS, IMAP, NNTP... and many more.
Complex manually scripted health checks
Automatic reconfiguration for defective real server machines
Automatic replication of static & dynamic configuration from master to slave load balancer.
Stateful Failover (persistence table replication)
One click secure clustered pair configuration

Administration

Connection persistence based on:
- Source IP address
- SSL Session ID
- Passive Cookie
- Active Cookie (Insert)
- RDP Cookie / Session broker
- SIP Call-ID
Port following for persistence options

Scheduling and Balancing Methods

Round Robin
Weighted Round Robin
Least Connection
Weighted Least Connection
Agent-based Adaptive (Windows and Linux Agents)
Layer 7 Content Switching
Destination Hash for transparent proxy

L4/L7 Sticky (Persistence)

Connection persistence based on
– Source IP address
– SSL Session ID
– Passive Cookie
– Active Cookie (Insert)
– RDP Cookie / Session Broker
– X-forwarded for header (better than SupperHTTPS)
Port following (Persistence on multiple combined ports)
Multiple fallback options i.e. use source IP if no cookie found

Platform

VMware
Hyper-V
KVM
VirtualBox
Xen

*All specifications are subject to change without prior notice.

www.loadbalancer.org