



Enterprise VA R20

The entry level Loadbalancer.org Virtual Appliance offers unlimited throughput, bandwidth and features - at a truly remarkable price.



Get all the raw power, features and performance of the Enterprise VA MAX version. You will probably never need to upgrade the license. Buy it your way - perpetual license, site license, lease or monthly rental.

No other virtual load balancer offers unlimited performance at such a low price point.

Enterprise VA R20 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
- Licensed for up to 4 servers in a cluster
- One click server maintenance
- Quick view server load stats
- Comprehensive support packages available

Keeping you up 24/7

Outstanding Performance

The Loadbalancer.org appliance - Enterprise VA R20 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 immediately 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 restricted to 20 real servers (5 VIPs * 4 RIPs).
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

Secure, SSH, HTTP and HTTPS for remote access administration
Fully configurable using Web User Interface
Easy start configuration and maintenance wizards
WUI-based Help Assistant
Virtual Service Configurations can be edited and tuned on-the-fly
Real time performance and availability displays
Optionally configure console port for local administration
Remotely scriptable Command Line Interface (LBCLI) Option
Local and Remote syslogd support
Selective restore of physical and Virtual Service data
Support for Connection Draining or halting with or without persistence
Software and Security updates available on & off-line
WUI Log Reporting with Tabbed Browser Support
SNMP support for performance metrics
Full root access to with a multitude of diagnostic tools tcpdump etc.

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 SuperHTTPS)
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.



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