**Features**

High performance L4/L7 load balancing
13Gbps throughput, 8,383Mbps, 31,200,000 Max Conns, 12,674 SSL TPS

Active/passive with seamless failover
Remove single point of failure by combining two units as a Clustered Pair for high-availability and resilience

Health checking
Monitor the health of your servers and their applications as and when required, ensuring intelligent real-time traffic distribution

Session persistence
Maintain users connections to specific servers based on various parameters, including Source IP & Cookie insertion

Industry leading support
24/7 access to our team of support engineers via email, phone and online chat

The Enterprise VA R20 delivers awesome load balancing power at an incredible price. This virtual appliance offers unrestricted throughput and bandwidth. Whilst initially restricted to 4 servers in a cluster (and a maximum of 5 clusters) the seamless upgrade path ensures full scalability.

Buy it your way - perpetual license, site license or monthly rental.

The 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.

No other virtual load balancer offers unlimited performance at such an amazing price!
Product Overview
The Enterprise VA R20 delivers awesome load balancing power at an incredible price. This virtual appliance offers unrestricted throughput and bandwidth.

Platform
- VMware
- Hyper-V
- KVM
- VirtualBox
- Xen

Standard Features
- 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 (DSR, 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
- Link aggregation (802.3ad)
- VLAN Tagging (802.1Q)
- GSLB

SSL
- 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
- PCI-ready SSL Implementation

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

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
  - Port following (Persistence on multiple combined ports)
  - Multiple fallback options i.e. use source IP if no cookie found

Security Functionality
- Fully integrated WAF (Web Application Firewall)
- OWASP top 10 protection
- 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
- FIPS 140-2 Compliant
- PCI DSS Ready

Health Checking and High Availability
- Application health checking for DNS, FTP, HTTP, HTTPS, IMAP, NNTP... and many more
- ICMP health checking of server farm machines
- 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

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

Administration
- Secure, SSH, HTTP and HTTPS for remote access administration
- Fully configurable using Web User Interface
- Easy start configuration and maintenance wizards
- WebUI-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
- SOAP interface to the LBCLI API
- Local and Remote syslog 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
- WebUI log reporting with tabbed browser Support
- SNMP support for performance metrics
- Full root access to with a multitude of diagnostic tools tcpdump etc

Support Services
- Premium 24/7 Support - Unlimited 24/7 access to our Technical Support Engineers
- Business Hours Support - Unlimited support during business hours (8x5)