loadbalancer.org

Enterprise Ultra

Features

High performance L4/L7 load balancing
18Gbps throughput, 200,000 HTTP RPS, 62,400,000 maximum connections & 18,000 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
Constantly monitor the health of your servers and their applications, ensuring intelligent real-time traffic distribution

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

Industry leading support
Direct access to our team of application delivery specialists, with 3 years hardware warranty as standard
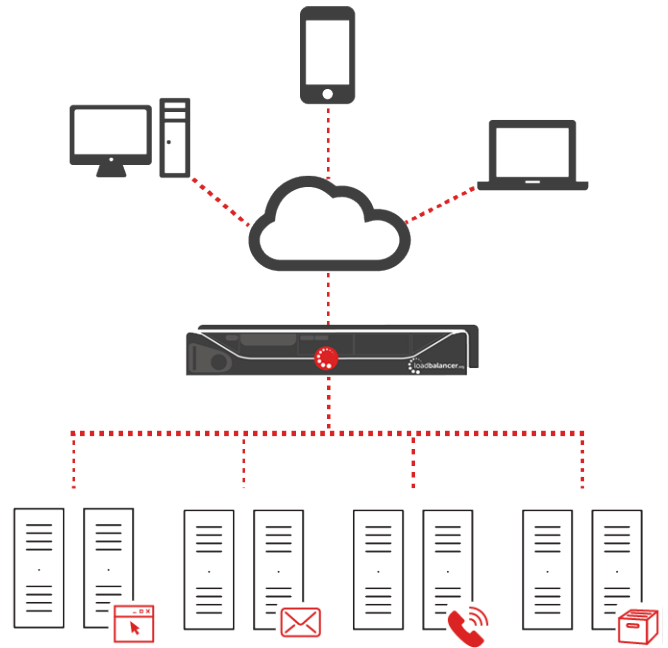
The Enterprise Ultra from Loadbalancer.org provides full infrastructure scalability. Offering 18Gbps throughput and over 18,000 SSL transaction per second (TPS), your load balancer is with you for the long haul. This high-end application delivery controller (ADC) is certified for a range of Microsoft applications and comes with a built-in web application firewall (WAF) as standard.

With hot-swappable RAID and redundant PSU's, the Enterprise Ultra forms an essential component of your high-availability (HA) strategy, ensuring your critical line of business applications remain accessible 24/7.

With a range of support options, offering direct access to the industry-leading team of application delivery experts. Select from Business Hours or Premium 24/7 support, plus a full suite of onsite hardware warranty options, we are dedicated to keeping your services available around the clock.

The Enterprise Ultra delivers the performance, scalability and the complete peace-of-mind your application deserves.

Product Overview

Do you just want the best? This over-specified monster load balancer comes with the unrivalled performance of 2 x Intel® 10 Core CPUs and total redundancy of everything.

Hardware Platform

- 2 x 1Gbps full duplex Ethernet ports
- 2 x 10Gbps ports - Intel RJ-45 or SFP+
- Hardware RAID
- Redundant PSU
- 32Gb DDR RAM
- 2 x 10 Intel® 10 Core CPU
- Enterprise DRAC remote console
- Local admin via console/VGA and USB
- Remote console access via SSH
- Dell 4400 server based
- CE/FCC Certified, UL Listed, RoHS Compliant

Standard Features

- Server Load Balancing (SLB) for any TCP or UDP based protocol
- SSL Acceleration/Offload
- Layer 7 Content Switching
- 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)
- GSLB

SSL

- Hardware SSL Acceleration (AEX, up to 256bit)
- 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

Performance

- Up to 18Gbps Throughput
- SSL Acceleration/Offload up to 18,306 TPS
- 212,087 HTTP RPS
- Up to 16,833 Mbps Throughput
- 62,400,000 concurrent sessions

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 lockdown 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
- Automatically remove a failed server from the load balancing pool
- 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 unrestricted root access
- Hundreds of Linux native diagnostic tools like tcpdump etc.

Warranty & Support Services

Hardware Warranty:
- 3 Years Next Business Day On-site Engineer included as standard

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