



## Industry-leading technology from the market leaders

HPE and Loadbalancer have been in collaboration with a core focus on providing end users with high availability, efficiency, and scalability across their mission-critical applications.

This strategic alliance brings together the expertise of Loadbalancer.org, a leader in advanced load balancing technology, and HPE GreenLake, a pioneer in flexible, consumption-based IT solutions.

Under the partnership arrangement, Loadbalancer provides load balancing software on high-performing HPE hardware resulting in uninterrupted service provision, preserving the integrity of file transfers and ensuring consistent access to data at all times.

## Virtual load balancing options



### Enterprise VA Max

4Gbps

### Enterprise VA Prime

or Unrestricted Gbps

By default the load balancer appliance is allocated the following resources:

- **2 vCPUs**
- **4GB RAM**
- **20GB disk**

## Bare metal load balancing options

- **Small ISO** Up to 10Gbps
- **Medium ISO** Up to 48Gbps
- **Large ISO** Up to 88Gbps

Loadbalancer offers accelerated performance through HPE ProLiant Servers with enterprise load balancing software built on HPE ProLiant DL20 and DL360 servers for maximum performance.



## Approved hardware specifications

- **DL20 Gen10+** with 1x 1GbE & 2x 10/25GbE
- **DL360 Gen 10+** with 1x 1GbE & 4x 10/25GbE OR 2x 100GbE

This combined solution from HPE and Loadbalancer provides a one-stop-shop for customers requiring high availability for their applications. This enables the customer to focus on their core offering without having to worry about any interruption to their application workflows.



*Having validated with most global healthcare and storage applications is a key advantage of partnering with Loadbalancer and, through our GreenLake program, customers now have access to a full spectrum of network solutions, including high availability.”*

**Ka Wai Leung,**  
GreenLake Cloud ISV Partner Alliance,  
HPE

# Load balancing features

## Product overview

Unparalleled raw performance for complex environments such as large object storage deployments and healthcare networks.

## 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, TUN, NAT and SNAT
- Schedulers: Round Robin, Least Connection, Weighted Least Connection, Weighted Round Robin
- Dynamic Schedulers: Windows and 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

- 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 88Gbps Throughput
- SSL Acceleration/Offload up to 30,059 TPS
- Maximum 2,474,128 HTTP RPS
- 62,400,000 Concurrent sessions
- Unlimited scale with SDNS implementations

## 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)
- Reverse proxy
- Persistent Access Control List system
- Firewall filtering (full iptables scripting support)
- Firewall lock down wizard
- DDOS mitigation both at layer 4 and 7
- Virtual patching
- HTTP and SYN Flood protection
- Block SQL Injection Attacks
- Prevent Cross Site Scripting (XSS)
- OWASP top 10 protection
- 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 external Health Check scripts which can be edited and managed using WebUI across L4/L7 and GSLB
- Automatic reconfiguration for defective real server machines
- Automatically remove a failed server from the load balancing pool
- Automatic replication of static and 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 (WUI)
- Extensive ACL Traffic Rules configurable using WebUI
- Easy start configuration and maintenance wizards
- WebUI-based Help Assistant
- Online chat support integrated in WebUI
- 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 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 and 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.

## Warranty and support services

### Hardware Warranty:

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

### Global Support Options:

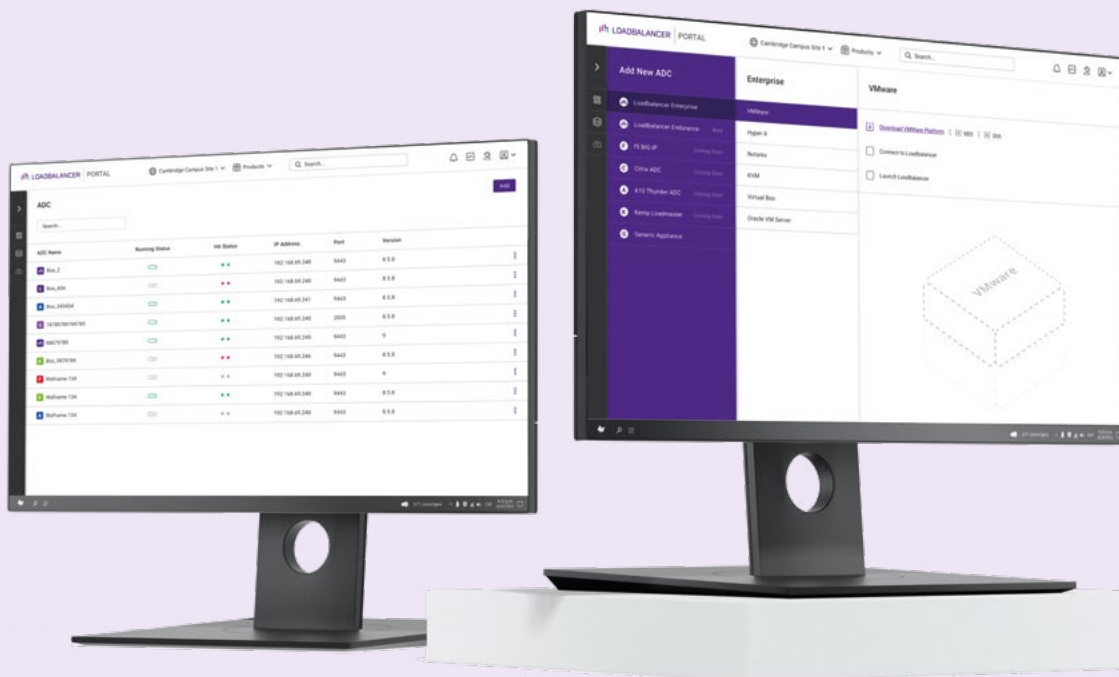
- Standard support – Unlimited 24/7 access to our Technical Support Engineers
- Basic support – Unlimited support during business hours (9am to 5pm)

[Download Datasheet](#) →



## The Loadbalancer ADC Portal

The recently launched Loadbalancer ADC Portal offers centralized management of your global estate from a single interface. This vendor-agnostic solution is designed to make your life easier, helping you manage large numbers of ADCs, spread across different sites, more efficiently, effectively, and securely. With a comprehensive dashboard, the Loadbalancer ADC Portal provides full visibility of your entire ADC infrastructure, as well as the ability to schedule backups and updates.



### Key features:

- ✓ **Vendor-agnostic:** Manage 3rd-party ADCs from the Loadbalancer Portal
- ✓ **Gain instant insights:** Real-time visibility of the status of your full fleet of ADCs
- ✓ **Automated scheduling:** Create workflows for ADC backups and updates
- ✓ **End-to-end encryption:** Backups and all assets are End-to-End encrypted with private keys
- ✓ **Full access controls:** Add/delete users within your organization and assign permissions