loadbalancer.org
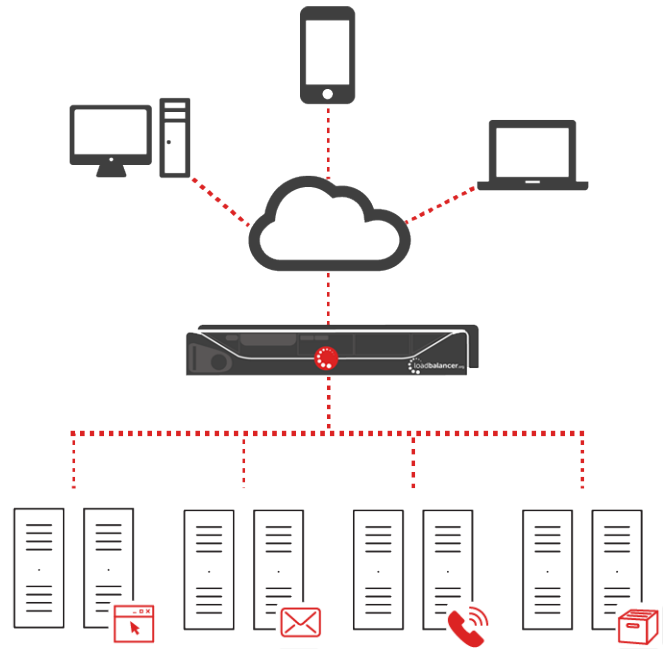
Enterprise Azure R20

Features

Advanced Loadbalancing Solution
This feature rich product brings advanced load balancing functionality to the Azure platform

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

Azure

The Enterprise Azure R20 offers unlimited throughput, bandwidth and features - giving you total scalability and allowing you to manage unlimited load balanced services and back-end servers.

A comprehensive, feature-rich, Layer 4/7 load balancing solution for the Microsoft Azure platform. Enterprise Azure R20 provides advanced Layer 4/7 load balancing for the Microsoft Azure Cloud, automatically distributing incoming application traffic across across Azure-hosted workloads.

Unlike other vendors, Loadbalancer.org offer unlimited throughput & unlimited connections, plus every possible feature available to every customer. We hate restrictions.

You have already chosen the simplest platform for Microsoft applications. Now you need a partner to help you keep them online 24/7. Microsoft certify our Enterprise Azure R20 application delivery solution.

Product Overview

Offering incredible power & performance - at entry level pricing. The Enterprise Azure R20 is license restricted to 5 clusters, each with 4 back-end servers.

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 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

- 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 (Instance Dependent)
- Unlimited SSL TPS (Instance Dependent)
- Unlimited HTTP Page GETs/second (Instance Dependent)
- Unlimited Concurrent Session (Instance 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 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
- 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 Options

- All subscription options include Premium 24/7
- BYOL appliances come with a range of support options to suit you

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