



BARRACUDA LOAD BALANCER Vx

Barracuda Load Balancer Vx

Virtual appliance provides load balancing, high availability and application acceleration with intrusion prevention

Based on the popular Barracuda Load Balancer hardware appliance, the Barracuda Load Balancer Vx is a virtual appliance that is easy-to-use and affordable. It provides industry-leading features for advanced load balancing, high availability and application acceleration with integrated intrusion prevention for added security.

High Availability and Scalability

The Barracuda Load Balancer Vx was designed to provide high availability and scalability by intelligently distributing traffic across multiple servers using several scheduling algorithms and persistence mechanisms. It performs intelligent network and application-layer server health checks to ensure the most efficient load distribution and resource utilization. The ability to transparently add or remove servers on the fly increases application uptimes while providing a smooth end user experience. For additional availability it can be deployed in an active/passive configuration wherein a hot standby immediately takes over services if the master unit fails.

Application Acceleration

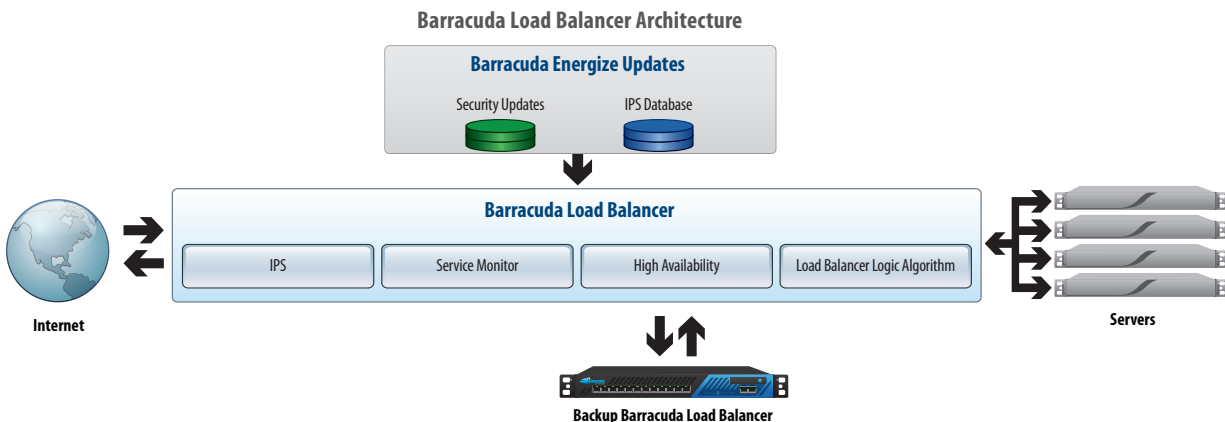
Features such as content caching, data compression and connection pooling improve application response times and reduce network congestion. These features also lessen connection-management overhead from the servers. Content rules provide application-aware traffic distribution by redirecting requests to the subgroup of servers which can process the requests most efficiently. This allows architecting a highly scalable application-delivery network with optimal resource utilization. SSL offloading further reduces server load and consolidates certificate management.

Security

An integrated intrusion prevention system deep scans all incoming data, including SSL encrypted data, to filter malicious data before it reaches your servers. Web application data can be selectively inspected and modified for added protection. Automated IPS definition updates ensure immediate protection from the latest attacks.

Affordable and Easy to use

With advanced load balancing backed by industry-leading customer support, the Barracuda Load Balancer Vx provides unmatched value. The intuitive web UI streamlines deployment and configuration. Multiple deployment options allow quick, seamless integration into any network topology. With features like automated discovery, it only takes a few minutes to set up server load balancing.



EDITION
340 Vx
440 Vx



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TECHNICAL SPECIFICATIONS

Key Features

LOAD BALANCING

- Layer 4 & Layer 7 load balancing
- Content routing
- Persistence methods
 - Client IP
 - Time
 - Cookie
 - HTTP header
 - HTTP parameter
- Route-Path & Bridge-Path support
- Direct Server Return mode
- Server health monitoring
- Server weighting
- Least connection and round-robin support
- Adaptive scheduling
- Custom Health Checking
- Request re-write
- Response re-write

GLOBAL SERVER LOAD BALANCING

- Site priority
- Geographic and location
- Region only

PERFORMANCE AND AVAILABILITY

- High availability
- Server failure detection
- Add/remove servers on the fly
- Server maintenance mode
- Last resort server support
- Caching & compression

MANAGEMENT AND USABILITY

- Easy Web-based user interface
- Health monitoring
- Performance monitoring
- SNMP support
- Automated updates
- ACL and SSL protected
- Real-time traffic statistics
- Automated configuration backups
- Auto-discovery mode
- No per port or per server restrictions
- Application Programming Interface (API)
- Point and click firmware updates
- Event notification
 - Email
 - SNMP traps
- Static routes
- VLAN

SUPPORTED PROTOCOLS

- HTTP
- HTTPS (SSL)
- SSH
- SMTP
- NNTP
- ASP
- Streaming media
- Other TCP/UDP services
- RDP (Windows Terminal Services)
- DNS
- LDAP
- RADIUS
- TFTP
- IMAP
- POP3

SECURITY

- Built-in IPS and exploit protection
- Automated IPS definition updates
- Service level ACL
- DDoS Protection

Virtualizer Support

- VMware ESX/ESXi
- VMware Server/Fusion/Workstation/Player
- Citrix XenServer
- Microsoft Hyper-V
- Oracle VirtualBox

Support Options

- Energize Updates Subscription

EDITION COMPARISON	BBF 340 Vx	BBF 440 Vx
Number of CPU cores allowed	1	2 or more
Layer 4 Load Balancing	✓	✓
Layer 7 Load Balancing	✓	✓
Cookie persistence	✓	✓
HTTP Header / Parameter persistence	✓	✓
SSL Offloading	✓	✓
Content routing	✓	✓
Direct Server Return	✓	✓
Intrusion Prevention	✓	✓
High Availability	✓	✓
SNMP	✓	✓
API		✓
Global Server Load Balancing		✓
HTTP Compression		✓
HTTP Caching		✓