Barracuda Load Balancer

Distributes network traffic across multiple servers

Designed to achieve high availability and security objectives, the Barracuda Load Balancer integrates server load balancing and network intrusion prevention into an affordable and easy-to-use solution. The Barracuda Load Balancer provides distribution of traffic across multiple servers, integrated protection from network intrusions, and comprehensive failover capabilities in case of server failure. With no per server or per port license fees, the Barracuda Load Balancer offers the most affordable solution for scaling and protecting mission-critical data centers.

High Availability and Scalability

For high traffic environments, the Barracuda Load Balancer can distribute traffic based on several scheduling algorithms, including round robin, server weighting and least connections. For applications requiring persistence, the Barracuda Load Balancer can maintain state using client IP addresses and client cookies.

The Barracuda Load Balancer's integrated service monitor ensures that servers and their associated applications are always operational. In the event of server or application outage, the Barracuda Load Balancer facilitates automatic failover among servers to ensure continuous availability. To mitigate risks associated with failures of the load balancers themselves, two Barracuda Load Balancers can be deployed in an active/passive configuration.
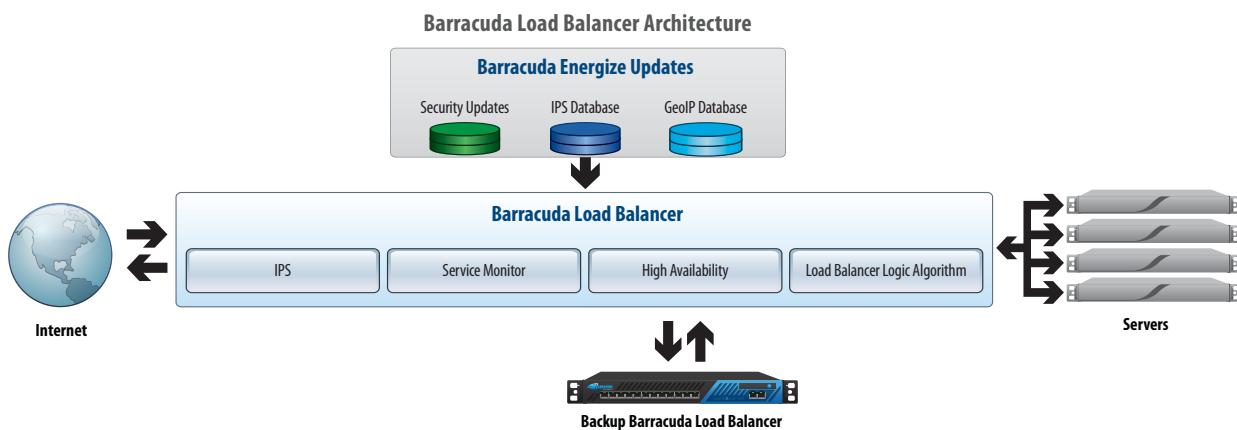

The Barracuda Load Balancer distributes traffic for multiple services, including Web, email and other network applications.

Easy-to-Use and Maintain

To minimize ongoing administration associated with security, the Barracuda Load Balancer automatically receives Energize Updates for the latest intrusion prevention definitions and security updates. Energize Updates are distributed hourly by Barracuda Central, an advanced technology center where engineers continuously monitor and alleviate the latest Internet threats.

Barracuda Load Balancer Architecture

Typical Deployment

Internet ⇄ Firewall ⇄ Switch ⇄ **Barracuda Load Balancer** ⇄ Switch ⇄ Server Farm

BARRACUDA LOAD BALANCER

MODEL
240
340
440
640

TECHNICAL SPECIFICATIONS

Key Features

LOAD BALANCING
- Layer 4 & Layer 7 load balancing
- Content routing
- IPv6 ready
- Persistence methods
  - Client IP
  - Time
  - Cookie
  - HTTP header
  - HTTP parameter
  - SIP Call ID
- Route-Path & Bridge-Path support
- Direct Server Return mode
- Server health monitoring
- Server weighting
- Monitor Groups
- 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

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

PERFORMANCE AND AVAILABILITY
- High availability
- Server failure detection
- Gigabit wire speed throughput
- Add/remove servers on the fly
- Server maintenance mode
- Last resort server support
- Caching & compression

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

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

Hardware Features

CONNECTORS
- VGA
- PS/2 keyboard/mouse
- Ethernet (see chart below)
- Serial port (DB-9)

POWER REQUIREMENTS
- AC input voltage 100-240 volts
- Frequency 50/60 Hz

Support Options

ENERGIZE UPDATES SUBSCRIPTION
- Standard technical support
- Daily intrusion prevention updates
- Firmware updates
- Security updates

INSTANT REPLACEMENT SERVICE
- Replacement unit shipped next business day
- 24x7 technical support

MODEL COMPARISON	MODEL 240	MODEL 340	MODEL 440	MODEL 640
CAPACITY*				
Maximum Throughput	95 Mbps	950 Mbps	950 Mbps	950 Mbps
Real Server Support	10	35	50	250
SSL Offloading/Acceleration		500 TPS	2,000 TPS	8,000 TPS
HARDWARE				
Rackmount Chassis	1U Mini	1U Mini	1U Mini	1U Fullsize
Dimensions (in)	16.8 x 1.7 x 9	16.8 x 1.7 x 14	16.8 x 1.7 x 14	16.8 x 1.7 x 22.6
Dimensions (cm)	42.7 x 4.3 x 23	42.7 x 4.3 x 35.6	42.7 x 4.3 x 35.6	42.7 x 4.3 x 57.4
Weight (lbs/kg)	8 / 3.6	12 / 5.4	12 / 5.4	26 / 11.8
Ethernet	2 x 10/100	2 x Gigabit	2 x Gigabit	12 x Gigabit
AC Input Current (Amps)	1.0	1.2	1.4	1.8
ECC Memory				✓
FEATURES				
Layer 4 Load Balancing	✓	✓	✓	✓
Direct Server Return	✓	✓	✓	✓
Intrusion Prevention	✓	✓	✓	✓
High Availability		✓	✓	✓
VLAN		✓	✓	✓
Layer 7 Load Balancing		✓	✓	✓
SIP Call ID Persistence		✓	✓	✓
Cookie Persistence		✓	✓	✓
SSL Offloading		✓	✓	✓
Content Routing		✓	✓	✓
SNMP		✓	✓	✓
Programming Interface/API			✓	✓
Global Server Load Balancing			✓	✓
HTTP Compression			✓	✓
Content Caching			✓	✓

US 17.3   Specifications subject to change without notice.   *Capacity depends on environment and selected options.