Barracuda **Web Application Firewall**

Protect Applications and Data from Advanced Threats

☑ **Security**
□ Data Protection
☑ **Application Delivery**

The Barracuda Web Application Firewall **blocks an ever-expanding list of sophisticated web-based intrusions and attacks** that target the applications hosted on your web servers—and the sensitive or confidential data to which they have access.

The Barracuda Advantage

- State-of-the-art security utilizing full reverse-proxy architecture
- Malware protection for collaborative web applications
- Employs IP Reputation intelligence to defeat DDoS attacks
- No user-based or module-based licensing
- Designed to make it easier for organizations to comply with regulations such as PCI DSS and HIPAA
- Cloud-based scan with Barracuda Vulnerability Manager
- Automatic vulnerability remediation

Product Spotlight

- Comprehensive inbound attack protection including the OWASP Top 10
- Built-in caching, compression and TCP pooling ensure security without performance impacts
- Identity-based user access control for web applications
- Built-in data loss prevention
- ICSA certified

Constant Protection from Evolving Threats

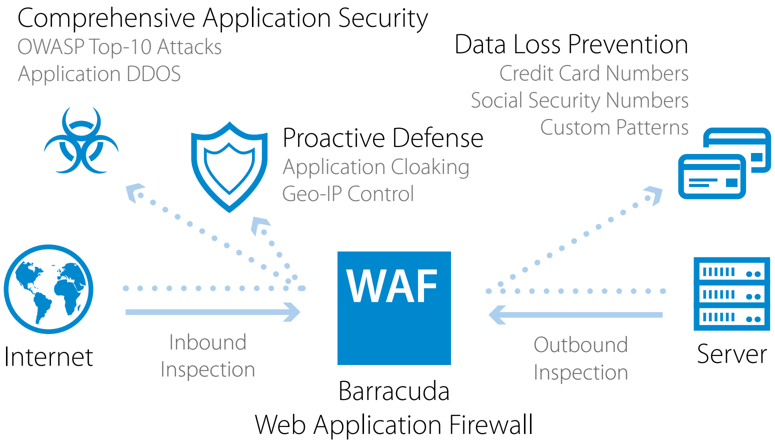
The Barracuda Web Application Firewall provides superior protection against data loss, DDoS, and all known application-layer attack modalities. Automatic updates provide defense against new threats as they appear. As new types of threats emerge, it will acquire new capabilities to block them.

Identity and Access Management

The Barracuda Web Application Firewall has strong authentication and access control capabilities that ensure security and privacy by restricting access to sensitive applications or data to authorized users.

Affordable and Easy to Use

Pre-built security templates and intuitive web interface provide immediate security without the need for time-consuming tuning or application learning. Integration with security vulnerability scanners and SIEM tools automates the assessment, monitoring, and mitigation process.



> *With the Barracuda Web Application Firewall in place, we are demonstrating to our customers and partners that we are serious about the security of their data. It lets our staff to worry less about backend security and concentrate more on providing quality services to our partners and customers.*
>
> *Michael Fainshtein*
> *Chief Technology Officer*
> *CredoRax*

Technical Specs

Web Application Security

- OWASP top 10 protection
- Protection against common attacks
  - SQL injection
  - Cross-site scripting
  - Cookie or forms tampering
- Form field meta-data validation
- Adaptive security
- Website cloaking
- URL encryption
- Response control
- JSON payload inspection
- XML firewall
- Web scraping protection
- Outbound data theft protection
  - Credit card numbers
  - Custom pattern matching (regex)
- Granular policies to HTML elements
- Protocol limit checks
- File upload control
- Geo IP location
  - Anonymous Proxy
- Tor Blocking

Networking

- VLAN, NAT
- Network ACLs
- Advanced routing

Supported Web Protocols

- HTTP/S 0.9/1.0/1.1/2.0
- WebSocket
- FTP/S
- XML
- IPv4/IPv6

Authentication

- LDAP/RADIUS
- Client Certificates
- SMS Passcode
- Single Sign-On
- Multi-Domain SSO

Advanced Authentication (660 & above)

- Kerberos v5
- SAML
- Azure AD
- RSA SecurID

Application Delivery and Acceleration

- High availability
- SSL offloading
- Load balancing
- Content routing

DDoS Protection

- Integration with Barracuda NextGen Firewall to block malicious IPs
- Barracuda IP Reputation Database
- Heuristic Fingerprinting
- CAPTCHA challenges
- Slow Client protection
- ToR exit nodes
- Barracuda blacklist
- Volumetric DDoS protection[3]

SIEM Integrations

- HPE ArcSight
- RSA enVision
- Splunk
- Symantec
- Microsoft Azure Event Hub
- Custom

Logging, Monitoring and Reporting

- Barracuda IP Reputation Database
- Heuristic Fingerprinting
- CAPTCHA challenges
- Slow Client protection

Support Options

Instant Replacement Service

- Replacement unit shipped next business day
- 24x7 technical support
- Hardware refresh every four years

Barracuda Energize Updates

- Standard technical support
- Firmware and capability updates as required
- Automatic application definitions updates

Hardware Options

- Optional Ethernet Bypass

Management Features

- Customizable role-based administration
- Vulnerability scanner integration
- Trusted host exception
- Rest API
- Custom Templates
- Interactive and scheduled reports

MODEL COMPARISON	360	460	660	860	960
CAPACITY					
Backend Servers Supported	1-5	5-10	10-25	25-150	150-300
Throughput	25 Mbps	50 Mbps	200 Mbps	1 Gbps	5 Gbps
HARDWARE					
Form Factor	1U Mini	1U Mini	1U Fullsize	2U Fullsize	2U Fullsize
Dimensions (in)	16.8 x 1.7 x 14	16.8 x 1.7 x 14	16.8 x 1.7 x 22.6	17.4 x 3.5 x 25.5	17.4 x 3.5 x 25.5
Weight (lb)	12	12	26	46	52
Data Path Ports	2 x 10/100	2 x GbE	2 x GbE	8 x GbE[1]	8 x GbE[1]; 2 x 10GbE[1]
Management Port	1 x 10/100	1 x 10/100	1 x 10/100/1000	1 x 10/100/1000	1 x 10/100/1000
AC Input Current (amps)	1.2	1.4	1.8	4.1	5.4
ECC Memory			●	●	●
FEATURES					
Response Control	●	●	●	●	●
Advanced Threat Protection[2]			●	●	●
Outbound Data Theft Protection	●	●	●	●	●
File Upload Control	●	●	●	●	●
SSL Offloading	●	●	●	●	●
Authentication and Authorization	●	●	●	●	●
Vulnerability Scanner Integration	●	●	●	●	●
Protection Against DDoS Attacks[3]	●	●	●	●	●
Web Scraping Protection	●	●	●	●	●
Network Firewall	●	●	●	●	●
High Availability	Active/Passive	Active/Passive	Active/Active	Active/Active	Active/Active
JSON Security	●	●	●	●	●
Caching and Compression		●	●	●	●
Basic AAA		●	●	●	●
Advanced AAA			●	●	●
Load Balancing		●	●	●	●
Content Routing		●	●	●	●
Adaptive Profiling			●	●	●
Antivirus for File Uploads			●	●	●
URL Encryption			●	●	●
XML Firewall			●	●	●

[1] Fiber NIC and Ethernet hard bypass options available. [2] Requires active Advanced Threat Protection subscription. [3] Volumetric DDoS protection requires subscription. Specifications subject to change without notice.

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