Barracuda Web Application Controllers

Powerful, application-layer security protection for Web servers.

Barracuda Web Application Controllers protect your Web site from attackers leveraging protocol or application vulnerabilities to instigate unauthorized access, data theft, denial of service or defacement of your Web site. Unlike traditional network firewalls or intrusion detection systems that simply pass HTTP, HTTPS or FTP traffic for Web applications, Barracuda Web Application Controllers proxy this traffic and insulate your Web servers from direct access by hackers.
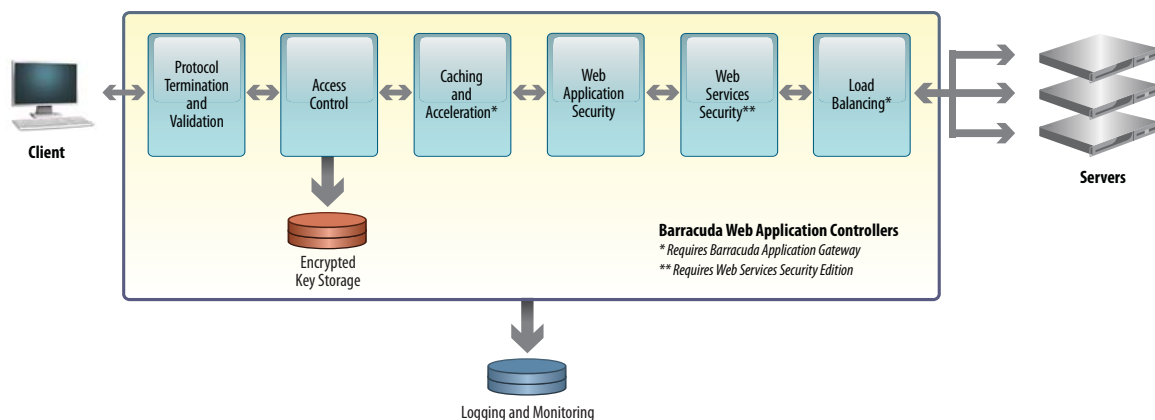
Comprehensive Web Site Protection

Barracuda Web Application Controllers, including both the Barracuda Web Application Firewall and Barracuda Application Gateway, provide award-winning protection from all common attacks on Web applications, including SQL injections, cross-site scripting attacks, session tampering and buffer overflows. As a full proxy, Barracuda Web Application Controllers inspect both request and response traffic, providing the capabilities to not only block inbound attacks, but also to cloak your Web site from hackers and filter outbound traffic to prevent potential sensitive data leakage, such as credit card numbers or Social Security numbers. In addition, Barracuda Web Application Controllers secure applications from unauthorized user access through integration with common authentication services, such as LDAP and RADIUS servers, and can provide full PKI infrastructure for use with client certificates.

With the optional Web Services Security Edition, Barracuda Web Application Controllers extend protection for traditional HTML Web applications to modern XML Web services applications. In addition to filtering attack traffic, Barracuda Web Application Controllers validate XML schema, SOAP envelopes and XML content to block policy violations in your Web services' application traffic.

Advanced Traffic Management and Acceleration

The Barracuda Application Gateway integrates traffic management capabilities, including caching, compression and load balancing. With the Barracuda Application Gateway, you can not only secure your Web applications but increase both their performance and availability as well.

Barracuda Web Application Controllers Architecture

Client → Protocol Termination and Validation → Access Control → Caching and Acceleration* → Web Application Security → Web Services Security** → Load Balancing* → Servers

Encrypted Key Storage

Barracuda Web Application Controllers
Requires Barracuda Application Gateway
Requires Web Services Security Edition

Logging and Monitoring

BARRACUDA WEB APPLICATION CONTROLLERS

MODEL

NC1100 AF
NC1100 AG
NC2000 AF
NC2000 AG

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TECHNICAL SPECIFICATIONS

Key Features

WEB APPLICATION SECURITY
- HTTP Protocol Validation
- Protection against common attacks
  - SQL injection
  - OS command injection
  - Cross-site scripting
  - Cookie tampering
  - Forms tampering
- Form field meta data validation
- Outbound data-theft protection
  - Credit card numbers
  - Social Security numbers
  - Custom pattern matching (regex)
- Web site cloaking
- Anti-crawling
- Rate controls
- Advanced learning modes
- Granular policies to HTML elements
- XML Web Services security (optional)

ACCESS CONTROL FEATURES
- Simple single sign-on portal
- LDAP integration
- RADIUS integration

ACCESS CONTROL FEATURES (cont.)
- CA SiteMinder integration
- RSA Access Manager
- PKI and client certificate support

APPLICATION DELIVERY FEATURES
- Caching*
- Compression*
- Connection Pooling
- SSL Acceleration
- Load Balancing*
- High Availability

LOGGING, MONITORING AND REPORTING
- System log
- Network Firewall log
- Web Firewall log
- Web Services log
- Traditional Web log
- Tamper-proof log storage
- Syslog support
- Integration with eIQ Network Security Analyzer (optional)

System Features
- Graphical user interface
- Secure remote administration
- Roles-based administration
- SNMP Support
- Ethernet hard bypass ("fail open")

Hardware Features

CONNECTORS
- Ethernet
  - LAN port (1 Gigabit)
  - WAN port (1 Gigabit)
  - Management port (10/100 Megabit)
- Serial port (DB-9) for console

POWER REQUIREMENTS
- AC Input Voltage - 110-240 V AC
- Frequency - 50 / 60 Hz

Software Options
- Web Services Security Edition
- eIQ Network Security Analyzer

Requires Barracuda Application Gateway

MODEL COMPARISON	NC1100 AF	NC1100 AG	NC2000 AF	NC2000 AG
CAPACITY*				
Throughput	500 Mbps	500 Mbps	1 Gbps	1 Gbps
HTTP Transactions/sec	12,000	12,000	44,000	44,000
SSL Transactions/sec	9,000	9,000	16,000	16,000
HARDWARE				
Rackmount Chassis	2U Full Size	2U Full Size	2U Full Size	2U Full Size
Dimensions (in.)	16.8 x 3.5 x 25.5	16.8 x 3.5 x 25.5	16.8 x 3.5 x 25.5	16.8 x 3.5 x 25.5
Dimensions (cm.)	42.4 x 4.3 x 57.1	42.4 x 4.3 x 57.1	42.4 x 4.3 x 57.1	42.4 x 4.3 x 57.1
Weight (lbs. / kg.)	40 / 18.1	40 / 18.1	48 / 21.8	48 / 21.8
Ethernet	2 x Gigabit	2 x Gigabit	2 x Gigabit	2 x Gigabit
AC Input Current (Amps)	4.1	4.1	5.4	5.4
Redundant Power Supply	✓	✓	✓	✓
ECC Memory	✓	✓	✓	✓
FEATURES				
Hardened and Secure OS	✓	✓	✓	✓
Web Application Security Features	✓	✓	✓	✓
Access Control Features	✓	✓	✓	✓
Logging and Monitoring Features	✓	✓	✓	✓
Roles-Based Administration	✓	✓	✓	✓
TRAFFIC MANAGEMENT FEATURES				
Connection Pooling	✓	✓	✓	✓
SSL Acceleration	✓	✓	✓	✓
Caching		✓		✓
Compression		✓		✓
Load Balancing		✓		✓

US 1.1.1   Specifications subject to change without notice.   **Capacity depends on environment and selected options.