



BARRACUDA WEB APPLICATION CONTROLLER

## Barracuda Web Application Controller

Powerful, application-layer security protection for Web servers.

The Barracuda Web Application Controller protects 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, the Barracuda Web Application Controller proxies this traffic and insulates your Web servers from direct access by hackers.

### Comprehensive Web Site Protection

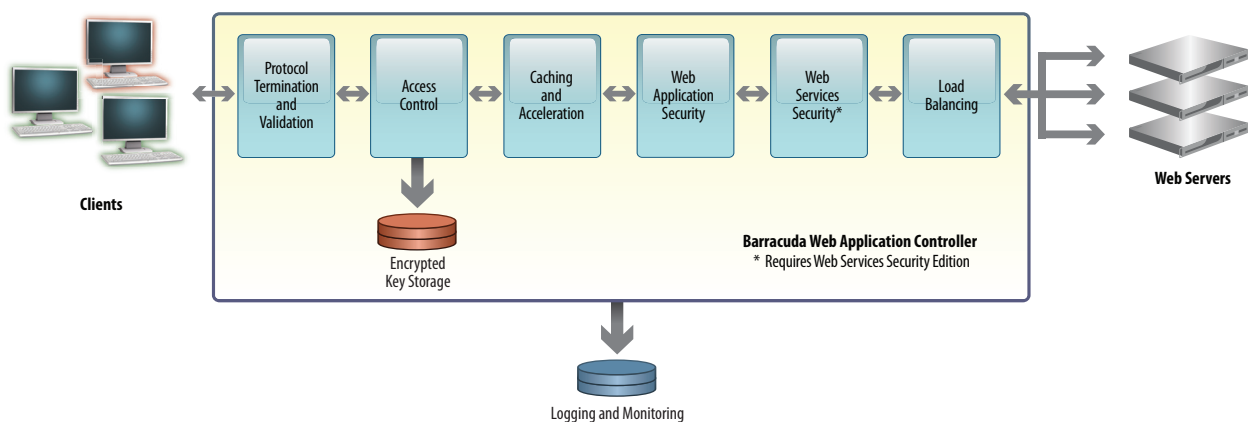
The Barracuda Web Application Controller provides award-winning protection from all common attacks on Web applications, including SQL injections, cross-site scripting attacks, session tampering and buffer overflows. As a full proxy, the Barracuda Web Application Controller inspects both request and response 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, the Barracuda Web Application Controller secures 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, the Barracuda Web Application Controller extends protection for traditional HTML Web applications to modern XML Web services applications. In addition to filtering attack traffic, the Barracuda Web Application Controller validates XML schema, SOAP envelopes and XML content to block policy violations in your Web services' application traffic.

### Advanced Traffic Management and Acceleration

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

Barracuda Web Application Controller Architecture



MODEL

NC500 AG

NC1100 AG

NC2000 AG



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# BARRACUDA WEB APPLICATION CONTROLLER

## Typical Deployment



## 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
- 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

### Support Options

#### ENERGIZE UPDATES SUBSCRIPTION

- Standard technical support
- Firmware maintenance

#### INSTANT REPLACEMENT SERVICE

- Replacement unit shipped next business day
- 24x7 technical support

MODEL COMPARISON	NC500 AG	NC1100 AG	NC2000 AG
<b>CAPACITY*</b>			
Throughput	100 Mbps	500 Mbps	1 Gbps
HTTP Transactions/sec	2,500	12,000	44,000
SSL Transactions/sec	2,000	9,000	16,000
<b>HARDWARE</b>			
Rackmount Chassis	1U Mini	2U Full Size	2U Full Size
Dimensions (in.)	16.8 x 1.7 x 14	17.4 x 3.5 x 25.5	17.4 x 3.5 x 25.5
Dimensions (cm.)	42.7 x 4.3 x 35.6	44.2 x 8.9 x 64.8	44.2 x 8.9 x 64.8
Weight (lbs. / kg.)	12 / 5.4	39 / 17.7	39 / 17.7
Ethernet	2 x Gigabit	2 x Gigabit	2 x Gigabit
AC Input Current (Amps)	1.4	4.1	5.4
Redundant Power Supply	✓	✓	✓
ECC Memory	✓	✓	✓
<b>FEATURES</b>			
Hardened and Secure OS	✓	✓	✓
Web Application Security Features	✓	✓	✓
Access Control Features	✓	✓	✓
Logging and Monitoring Features	✓	✓	✓
Roles-Based Administration	✓	✓	✓
<b>TRAFFIC MANAGEMENT FEATURES</b>			
Connection Pooling	✓	✓	✓
SSL Acceleration	✓	✓	✓
Caching	✓	✓	✓
Compression	✓	✓	✓
Load Balancing	✓	✓	✓

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Specifications subject to change without notice.

\*Capacity depends on environment and selected options.

### MODEL

NC500 AG

NC1100 AG

NC2000 AG