Barracuda CloudGen Firewall for AWS

Protecting your digital assets in Amazon Web Services

As you migrate your data to cloud-based AWS environments, it remains your responsibility to secure that data. But traditional solutions to secure your on-premises data centers simply can’t extend the same level of security to third-party cloud environments.

Barracuda CloudGen Firewall is purpose-built to provide seamless security across your on-premises and AWS environments. QoS, VPN, and SD-WAN capabilities ensure site-to-cloud connectivity and application availability at all times, while a comprehensive set of next-generation firewall technologies ensure that your data is secure against sophisticated, modern cyber threats.

Granular application control

Barracuda CloudGen Firewall gives you granular control over applications, letting you define rules for forwarding data traffic using the best available transmission channels. Rules can be based on type of application, user, content, time of day, and geographical location. This makes it easy for you to prioritize traffic by limiting or restricting access to non-business-related applications and network traffic, even when encrypted.

Integrated next-generation security and connectivity

Powerful IDS/IPS capabilities protect your network against a broad range of threats, vulnerabilities, exploits, and exposures, preventing network attacks such as SQL injections and arbitrary code executions.

Advanced site-to-site and client-to-site VPN capabilities (both SSL and IPsec) give remote users easy, secure access to network resources, without complex client configuration and management.

Cloud automation

Barracuda CloudGen Firewall provides fully automated protection across multi-cloud deployments via API and scripting, including VPN automation. This helps you to more thoroughly leverage the benefits of cloud deployments, including the dramatic efficiency gains to be realized from the adoption of DevOps/Agile methodologies, and of cloud-native constructs and automation.
## Technical specs

### Firewall
- Stateful packet inspection and forwarding
- Full user-identity awareness
- IDS/IPS
- Application control and granular application enforcement
- Interception and decryption of SSL/TLS encrypted applications
- Anti-virus and web filtering in single pass mode
- Email security
- SafeSearch enforcement
- Google accounts enforcement
- Denial of service protection (DoS/DDoS)
- Spoofing and flooding protection
- ARP spoofing and tracking protection
- DNS reputation filtering
- NAT (SNAT, DNAT), PAT
- Dynamic rules / timer triggers
- Single object-oriented rule set for routing, bridging, and routed bridging
- Virtual router test environment

### Protocol support
- IPv4, IPv6
- BGP/OSPF/RIP
- VoIP (H.323, SIP, SCCP [skinny])
- RPC protocols (ONC-RPC, DCE-RPC)
- 802.1q VLAN

### Intrusion detection and prevention
- Protection against exploits, threats, and vulnerabilities
- Packet anomaly and fragmentation protection
- Advanced anti-evasion and anti-obfuscation techniques
- Automatic signature updates

### VPN & Zero Trust Access
- Drag-and-drop VPN tunnel configuration
- Network access control
- iOS and Android mobile device VPN support
- Two-factor authentication via time-based one-time passwords (TOTP, Radius, or RSA MFA (requires an active Advanced Remote Access subscription) for VPN and NAC clients
- Multi-factor authentication for SSL VPN and CudaLaunch
- Barracuda CloudGen Access Proxy for Zero Trust Access to applications (requires an active Advanced Remote Access subscription)

### Advanced Threat Protection
- Dynamic, on-demand analysis of malware programs (sandboxing)
- Dynamic analysis of documents with embedded exploits (PDF, Office, etc.)
- Detailed forensic analysis
- Botnet and spyware protection
- TypoSquatting and link protection for email

### Central management options via Barracuda Firewall Control Center
- Administration for unlimited firewalls
- Support for multi-tenancy
- Multi-administrator support and RCS
- Zero-touch deployment
- Enterprise/MSP licensing
- Template and repository-based mgmt
- REST API

### Support options

- Barracuda Energize Updates
  - Standard technical support
  - Firmware updates
  - IPS signature updates
  - Application control definition updates
  - Web filter updates

### Support for AWS specific

- Full AWS Direct Connect support
- Auto-scaling cluster
- Cold-stanby cluster
- Log file streaming and custom metrics for AWS CloudWatch

## Available options

### Barracuda Firewall Insights
Consolidates security, application flow, and connectivity information from hundreds or even thousands of firewalls on the extended wide area network—regardless of whether they are hardware, virtual, or cross-cloud-based deployments.

### Advanced Threat Protection
Prevents network breaches, identifies zero-day malware exploits, targeted attacks, advanced persistent threats, and other advanced malware.

### Malware Protection
Provides gateway-based protection against malware, viruses, spyware, and other unwanted programs inside SMTP/S, HTTP/S, and FTP/S traffic.

### Advanced Remote Access
Provides a customizable and easy-to-use portal-based SSL VPN as well as sophisticated Network Access Control (NAC) functionality and CudaLaunch support. This subscription is required to enable the Barracuda CloudGen Access Proxy service on CloudGen Firewall deployments.

### Technical specs - BRING-YOUR-OWN-LICENSE

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### Technical specs - PAY-AS-YOU-GO LICENSE

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### Features

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1 Including FTP, mail and web protocols
2 Premium Support ensures that an organization’s network is running at its peak performance by providing the highest level of 24x7 technical support for mission-critical environments.

For more information please visit https://www.barracuda.com/support/premium

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