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, remote access, 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 SD-WAN and remote access 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 connectivity 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
- Antivirus 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 trashing protection
- DNS reputation filtering
- NAT (SNAT, DNAT), PAT
- Dynamic rules / timer triggers
- Single object-oriented rule set for routing, bridging, and routed bridging
- Virtual rule test environment
- Network security orchestration with tufin SecureTrack

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

Remote and Zero Trust Access

- Network access control
- iOS and Android mobile device support
- Two-factor authentication via time-based one-time passwords (TOTP), Radius, or RSA MFA (requires an active Advanced Remote Access subscription) for remote access clients
- Multi-factor authentication for browser-based remote access and CudaLaunch
- ZTNA access and enforcement via Barracuda SecureEdge Access Agents

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

Self-Healing SD-WAN

- Drag-and-drop configuration
- Optimized internet uplink selection
- Internet uplink optimization (forward error correction)
- FIPS 140-2 certified cryptography
- On-demand direct connection creation between remote spoke locations based on application type
- Dynamic bandwidth detection
- Performance-based transport selection
- Application-aware traffic routing (VPN, Direct Connect)
- Adaptive session balancing across multiple uplinks
- Application-based provider selection
- Traffic shaping and QoS
- Built-in data deduplication

Infrastructure Services

- DHCP server, relay
- SIP and HTTP proxies
- SNMP and IPFIX support
- JSON lifecycle automation API
- Auto VPN via API and script control
- DNS cache
- Built-in support for Azure Virtual WAN

Protocol support

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

Support options

Barracuda Energize Updates

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

Support for AWS specifics

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

Available subscription plans [1]

Threat Protection plan

This subscription plan bundles
- Energize Updates
- Advanced Threat Protection
- Firewall Insights

Total Threat Protection plan

This subscription plan bundles
- Energize Updates
- Advanced Threat Protection
- Firewall Insights
- Malware Protection
- Advanced Remote Access

CAPABILITIES	BRING-YOUR-OWN-LICENSE						PAY-AS-YOU-GO LICENSE
	VFC1	VFC2	VFC4	VFC8	VFC16	VFC48	
Protected IP addresses	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Virtual cores	1	2	4	8	16	48	Does not apply
Max number of interfaces	2	2	4	4	4	4	Does not apply
FEATURES							
Firewall incl. IPS	✓	✓	✓	✓	✓	✓	✓
Application control	✓	✓	✓	✓	✓	✓	✓
Remote access	✓	✓	✓	✓	✓	✓	✓
Network access control for remote access	✓	✓	✓	✓	✓	✓	✓
Secure SD-WAN	✓	✓	✓	✓	✓	✓	✓
TLS inspection	✓	✓	✓	✓	✓	✓	✓
Energize Updates	✓	✓	✓	✓	✓	✓	✓
Barracuda Firewall Insights	Optional	Optional	Optional	Optional	Optional	Optional	✓
Malware Protection [2]	Optional	Optional	Optional	Optional	Optional	Optional	-
Advanced Threat Protection [2]	Optional	Optional	Optional	Optional	Optional	Optional	-
Advanced Remote Access	Optional	Optional	Optional	Optional	Optional	Optional	✓
Premium Support [3]	Optional	Optional	Optional	Optional	Optional	Optional	-
Threat Protection plan	Optional	Optional	Optional	Optional	Optional	Optional	-
Total Threat Protection plan	Optional	Optional	Optional	Optional	Optional	Optional	-

[1] All subscriptions mentioned are also available "à la carte".

[2] Including FTP, mail and web protocols.

[3] 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. Specifications subject to change without notice.

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Your journey, secured.