Barracuda CloudGen Firewall for Azure

Protecting your digital assets in Microsoft Azure

The growth in cloud computing capabilities and services has driven more data into places where traditional IT security measures cannot reach - into data centers not owned by your corporate IT group. Beyond its powerful network firewall, IPS, and VPN technologies, Barracuda CloudGen Firewall integrates a comprehensive set of next-generation firewall technologies, including comprehensive application control, availability, and quality-of-services (QoS) features.

Granular application control

Barracuda CloudGen Firewall gives administrators granular control over applications, allowing them to define rules for forwarding data traffic using the best respective transmission channels based on type of application, user, content, time of day, and geographical location. Barracuda CloudGen Firewall allows organizations 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

Barracuda CloudGen Firewall's intrusion detection and prevention system (IDS/IPS) strongly enhances network security by providing complete and comprehensive real-time network protection against a broad range of network threats, vulnerabilities, exploits, and exposures in operating systems, applications, and databases preventing network attacks such as SQL injections and arbitrary code executions.

Barracuda CloudGen Firewall incorporates advanced site-to-site and client-to-site VPN capabilities, using both SSL and IPsec protocols to ensure remote users can easily and securely access network resources without complex client configuration and management.

Cloud automation

The big advantage of going to the cloud goes beyond cost savings but in greater agility and flexibility, enabling adoption of a DevOps/Agile methodology, and of cloud-native constructs and automation. Development and deployment processes in the cloud show drastic improvements over on-premises deployments and, thus, require high levels of automation and scripting. All of the components, including infrastructure for security and connectivity, need to adapt to the way this works in the public cloud via API or scripting.

Barracuda CloudGen Firewall provides fully automated protection across multi-cloud deployments, including VPN automation across multiple cloud providers, on-site and virtual.
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/DoS)
- Spoofing and flooding protection
- ARP spoofing and tracing protection
- DNS reputation filtering
- NAT (SNAT, DNAT), PAT
- Dynamic rules / timer triggers
- Single object-oriented rule set for routing, bridging, and routed bridging
- Virtual route test environment

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

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

Traffic intelligence & SD-WAN
- Optimized direct internet uplink selection
- VPN-based SD-WAN
- FIPS 140-2 certified cryptography
- On-demand direct VPN tunnel 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
- Traffic replication (forward error correction)
- Application-based provider selection
- Traffic shaping and QoS
- Built-in data deduplication

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

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

Support options

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

Support for Azure specifics
- Full Azure Virtual WAN support
- Log File Streaming to Azure OMS

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 from 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.

Specifications subject to change without notice.

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

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.

BRING-YOUR-OWN-LICENSE PAY-AS-YOU-GO LICENSE

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