Barracuda NextGen Firewall F

Protecting your Digital Assets in Microsoft Azure

Growth in cloud computing capabilities and services has driven more data into places where traditional IT security measures cannot reach; specifically, data centers not owned by your corporate IT group. The Barracuda NextGen Firewall F-Series provides **centralized management and highly secure, encrypted traffic to, from, and within Microsoft Azure deployments.**

The Barracuda Advantage

- Secure and reliable connectivity between on-premises and Azure deployments as well as between Azure deployments
- Central management of all functionality for both, on-premises and Azure deployments
- Unrivaled Quality of Service capabilities
- Available as Bring-Your-Own-License and Pay-As-You-Go

Product Spotlight

- Powerful next-generation network firewall
- Advanced Threat Protection (incl. sandboxing)
- Built-in web security and IDS/IPS
- Client-to-Site VPN via browser (SSL VPN), mobile apps and desktop VPN clients
- Full application visibility and granular control
- Intelligent traffic regulation including application-based provider selection
- Tightly integrated Quality of Service (QoS) and link balancing
- Centralized management of all functionality
- Template-based and role-based configuration

Secure Connectivity

For an optimum Azure deployment, it is crucial to initiate the deployment in a highly secure and reliable way. Deploying a Barracuda NextGen Firewall F-Series in Microsoft Azure provides comprehensive, secure connectivity capabilities, starting with high-performance TINA VPN tunnels for site-to-site and client-to-site connections. Deployment includes robust WAN optimization features to maintain the highest quality of service possible.

Integrated Next-Generation Security

The Barracuda NextGen Firewall F-Series is designed and built from the ground up to provide comprehensive, next-generation firewall capabilities. Based on application visibility, user-identity awareness, intrusion prevention, and centralized management, the F-Series is the ideal solution for today's dynamic enterprises that are adding Microsoft Azure into their company network.

🔄 🖂 Central Management

The Barracuda NextGen Firewall F-Series benefits from the same industry-leading central management as onpremises deployments. Easily manage the secure VPN connections to, from, and within Microsoft Azure and the Barracuda NextGen Firewall F deployment itself.

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Status overview of a centrally managed Barracuda NextGen Firewall F-Series deployment





- Security
- Data Protection
- Application Delivery

Technical Specs

🖽 Firewall

- Stateful packet inspection and forwarding
- Full user-identity awareness
- Intrusion Detection and Prevention System (IDS/IPS)
- Application control and granular application enforcement
- Interception and decryption of SSL/ TLS encrypted applications
- Antivirus and web filtering in single pass mode
- SafeSearch enforcement
- Google Accounts Enforcement
- Denial of Service protection (DoS /DDoS)
- Spoofing and flooding protection
- ARP spoofing and trashing protection
- DNS reputation filtering
- TCP stream reassembly
- Transparent proxying (TCP)
- NAT (SNAT, DNAT), PAT
- Dynamic rules / timer triggers
- Single object-oriented rule set for routing, bridging, and routed bridging
- Virtual rule test environment

² User Identity Awareness

- Terminal Server Agent
- Domain Controller Agent
- Authentication supports x.509, NTLM, RADIUS, RSA SecurID, LDAP/LDAPS, Active Directory, TACACS+, SMS Passcode (VPN), local authentication database

6 Intrusion Detection & Prevention

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

†! Traffic Optimization

- Fully Azure ExpressRoute compatible traffic shaping and QoS
- On-the-fly flow reprioritization
- Stream and packet compression
- Byte-level data deduplication
- Protocol optimization (SMBv2)

S VPN

- Drag & drop VPN tunnel configuration
- Secure site-to-site, client-to-site VPN
- Dynamic mesh site-to-site VPN
- Supports AES-128/256, 3DES, DES, Blowfish, CAST, null ciphers
- Private CA or external PKI
- VPNC certified (basic interoperability)
- Application-aware traffic routing
- IPsec VPN / SSL VPN / TINA VPN / L2TP / PPTP
- Dedicated VPN clients for Windows, MacOS, and Linux
- iOS and Android mobile device VPN support

Advanced Threat Protection

- Dynamic, on-demand analysis of malware programs (sandboxing)
- Dynamic analysis of documents with embedded exploits (PDF, Office, etc.)
- Detailed forensics for both, malware binaries and web threats (exploits)
- Support for multiple operating systems (Windows, Android, etc.)
- Botnet and Spyware Protection
- Flexible malware analysis in the cloud

Central Management Options

Barracuda NextGen Control Center

- Centrally administer unlimited Barracuda NextGen F-Series Firewalls
- Support for multi-tenancy
- Multi-administrator support & RCS

Infrastructure Services

- SIP, HTTP, SSH, FTP proxies
- SNMP and IPFIX support
- DNS Cache
- SMTP gateway and SPAM filter

Protocol Support

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

BARRACUDA NEXTGEN FIREWALL F-SERIES		PAY-AS-YOU-GO LICENSE			
CAPABILITIES	Level 2	Level 4	Level 6	Level 8	Not restricted
Virtual Cores	1	2	4	8	1 - 16
FEATURES					
Firewall	•	•	•	•	•
Application Control	•	•	•	٠	•
IPS	•	•	•	٠	•
VPN (site-to-site and client-to-site)	•	•	•	•	•
SSL Interception	•	•	•	•	•
WAN Optimization	•	•	•	•	•
Network Access Control for VPN client-to-site connections	•	•	•	٠	٠
Malware Protection ¹	Optional	Optional	Optional	Optional	-
Advanced Threat Protection ¹	Optional	Optional	Optional	Optional	-
Advanced Remote Access	Optional	Optional	Optional	Optional	•
Premium Support ³	-	-	•	•	-

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

Support Options Barracuda Energize Updates

Including FTP, mail and Web protocols

Standard technical support

- Firmware updates
- IPS signature updates
- definition updates
- Web filter updates

Security Options

- Advanced Threat Protection
- Malware Protection
- Advanced Remote Access subscription provides remote access via the CudaLaunch app for Windows, macOS, iOS, and Android devices

Specifications subject to change without notice.

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