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 NG Firewall 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 Detection
- Built-in web security
- Comprehensive, built-in IDS/IPS
- Full application visibility and granular control
- Intelligent traffic regulation including application-based link 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 NG Firewall 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.

**Central Management**

Users of the Barracuda NG Firewall benefit from the same single-pane-of-glass central management that is used in on-premises deployments. It enables users to manage the secure VPN connections, to, from, and within Microsoft Azure, and the NG Firewall itself.

**Integrated Next-Generation Security**

The Barracuda NG Firewall 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 Barracuda NG Firewall is the ideal solution for today’s dynamic enterprises that are adding Microsoft Azure into their company network.
## 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
- Denial of Service protection (DoS/DDoS)
- Spoofing and flooding protection
- ARP spoofing and tracing 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
- Antivirus and web filtering right in the firewall engine (incl. YouTube for Schools, SafeSearch)

### 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

### 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)

### 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

### Infrastructure Services
- DHCP server, relay
- 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])
- RFC protocols (ONC-RPC, DCE-RPC)
- 802.1q VLAN

### Specifications subject to change without notice.

### Microsoft Azure - Compute Instance Name

<table>
<thead>
<tr>
<th>BARRACUDA NG Firewall</th>
<th>SMALL (A1)</th>
<th>MEDIUM (A2)</th>
<th>LARGE (A3)</th>
<th>EXTRA LARGE (A4)</th>
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<tbody>
<tr>
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<tr>
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<td>Level 2</td>
<td>Level 4</td>
<td>Level 6</td>
<td>Level 8</td>
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1. 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.