Barracuda **NG Firewall**
Scalable Security for the Enterprise

Barracuda

As enterprise networks expand and become increasingly complex, they are more critical to business operations. Barracuda NG Firewall integrates with VMware to optimize the performance, security, and availability of today's dispersed enterprise WANs, whether on-premises, in the cloud or hybrid environments.

The Barracuda Advantage

Effective WAN Management
• Application-based traffic prioritization across the WAN
• Intelligent uplink balancing
• Intelligent traffic reprioritization on uplink loss

Enterprise Readiness
• Industry-leading centralized management
• WAN optimization
• Global WAN monitoring with Barracuda NG Earth

Scalable Security
• Cloud Enablement and secure WAN Virtualization
• Drag-and-drop VPN graphical tunnel interface

Product Spotlight

• Powerful next-generation network firewall
• Intelligent traffic regulation and profiling
• Centralized management of all functionality
• Deep application control
• Comprehensive, built-in IDS/IPS
• Tightly integrated QoS and application-based link balancing
• Dynamic path routing
• Template-based and role-based configuration
• Built-in web security
• Advanced Threat Detection
• **Available for VMware, XenServer, KVM, and VMware vCloud Air**

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 as it is fully compatible with VMware and VMware in vCloud Air.

Regaining Control of User Activity

The Barracuda NG Firewall restores control to networks made opaque and unmanageable by mobile devices at work, Web 2.0 applications, increasing dispersion, and the growing integration and dependence on cloud-based resources. It extends security coverage beyond network boundaries, and makes it easy to monitor and regulate everything the network and its users are doing.
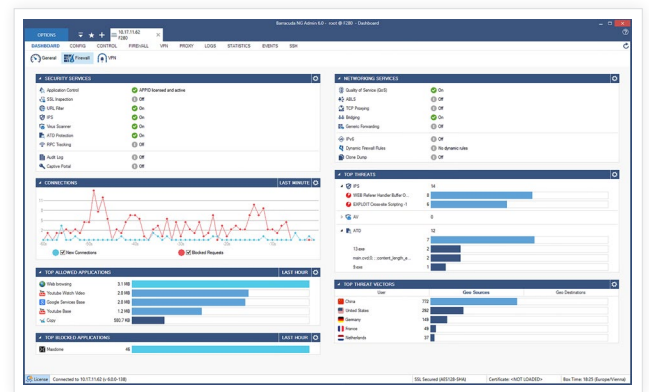
True Enterprise Readiness

The Barracuda NG Firewall meets the enterprise requirements for massive scalability and efficient management across dispersed networks. Integrated WAN optimization and centralized management enable organizations to increase system availability while keeping administrative time and operation costs low.

The Barracuda NG Firewall dashboard provides real-time information and summaries of what is going on in an organization's network.

Traffic prioritization and redundant line failover were the basic requirements to ensure that business processes could run smoothly in the global RHI network. In our estimation Barracuda NG Firewalls provide unrivaled functionality here that cannot be achieved by other products.

Gottfried Hofreither
Chief Information Officer, RHI AG (Austria)
>100 centrally managed NG Firewalls

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 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
- Antivirus and URL filtering right in the firewall engine

Hypervisor Support
- VMware
- VMware vCloud Air

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
- Link monitoring, aggregation and failover
- Dynamic path routing
- Application-based provider selection
- Traffic shaping and QoS
- On-the-fly flow reprioritization
- Stream and packet compression
- Byte-level data deduplication
- Protocol optimization (SMBv2)

Advanced Threat Detection
- 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.)
- Flexible malware analysis in the cloud

VPN
- Drag & drop VPN tunnel configuration
- Secure site-to-site, client-to-site VPN
- Supports AES-128/256, 3DES, DES, null ciphers
- Private CA or external PKI
- IPsec VPN / SSL VPN
- VPNC certified (basic interoperability)
- Application-aware traffic routing
- PPTP / L2TP (IPSec)
- Network Access Control
- iOS and Android mobile device VPN support

High Availability
- Active-active (requires external load balancer) or active-passive
- Transparent failover without session loss
- Network notification of failover
- Encrypted HA communication

Central Management Options
- Barracuda NG Control Center
  – Unlimited firewalls
  – Support for multi-tenancy
  – Multi-administrator support & RCS

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

EDITIONS [1]	VF25	VF50	VF100	VF250	VF500	VF1000	VF2000	VF4000	VF8000
Number of Protected IPs	25	50	100	250	500	unlimited	unlimited	unlimited	unlimited
Allowed Cores	2	2	2	2	2	2	4	8	16
Firewall	●	●	●	●	●	●	●	●	●
Application Control [2]	●	●	●	●	●	●	●	●	●
IPS [2]	●	●	●	●	●	●	●	●	●
Dynamic Path Routing	●	●	●	●	●	●	●	●	●
Application-based Link Selection	●	●	●	●	●	●	●	●	●
VPN [3]	●	●	●	●	●	●	●	●	●
SSL Interception	●	●	●	●	●	●	●	●	●
WAN Optimization	●	●	●	●	●	●	●	●	●
Spam Filter	●	●	●	●	●	●	●	●	●
Advanced Threat Detection [4]	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
NG Web Security	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
NG SSL VPN and NAC	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional

[1] The Barracuda NG Firewall virtual image covers all editions.

[2] Requires a valid Energize Updates subscription

[3] Barracuda NG Firewall editions include as many VPN licenses as the number of protected IPs. VPN clients with an active connection to the Barracuda NG Firewall are counted towards the protected IP limits.

[4] Requires Barracuda NG Web Security or Barracuda NG Malware Protection subscription.

Support Options
Barracuda Energize Updates
- Standard technical support
- Firmware updates
- IPS signature updates
- Application control definition updates
- Online web filter

Security Options
- Barracuda Advanced Threat Detection
- Barracuda NG Web Security
  – Barracuda NG Web Filter
  – Barracuda NG Malware Protection
- Barracuda NG SSL VPN and NAC
  – Clientless access
  – Network Access Control validates client security access

Specifications subject to change without notice.