

Enterprise networks grow larger and more complex every day - and more critical to key business operations. The Barracuda NextGen Firewall F-Series Vx is an essential tool to **optimize the performance, security, and availability of today's dispersed enterprise WANs.**

- Security
- Data Protection
- Application Delivery

## 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 Earth

### Scalable Security

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

## Product Spotlight

- Powerful next-generation network firewall
- Advanced Threat Protection (incl. sandboxing)
- Built-in web security and IDS/IPS
- Dynamic mesh site-to-site VPN
- 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
- **Available for VMware, XenServer, KVM, and Hyper-V**



## Integrated Next-Generation Security

The Barracuda NextGen Firewall F-Series Vx 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 Vx is the ideal solution for today's dynamic enterprises as it is fully compatible with VMware, XenServer, KVM, and Hyper-V virtualization.



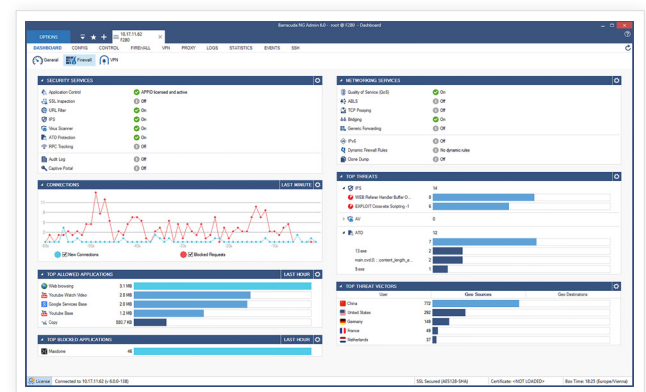
## True Enterprise Readiness

The Barracuda NextGen Firewall F-Series Vx 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.



## Regaining Control of User Activity

The Barracuda NextGen Firewall F-Series Vx 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.



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

Recently I tried one of these dedicated products to protect of advanced persistent threats. After one month of extensive monitoring it turned out that our Barracuda NextGen Firewall F-Series Vx protect our infrastructures so well, that we can continue to focus on actual business problems. Having chosen the right firewall still saves us money and time every day.

Chief Information Officer  
Union of Turkish Bar Associations

## 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

### Hypervisor Support

- VMware
- XenServer
- Hyper-V
- KVM

### 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 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 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

### 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
- 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 NextGen 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 <sup>1</sup>	VF10	VF25	VF50	VF100	VF250	VF500	VF1000	VF2000	VF4000	VF8000
Number of Protected IPs	10	25	50	100	250	500	unlimited	unlimited	unlimited	unlimited
Allowed Cores	1	2	2	2	2	2	2	4	8	16
Firewall	•	•	•	•	•	•	•	•	•	•
Application Control <sup>2</sup>	•	•	•	•	•	•	•	•	•	•
IPS <sup>2</sup>	•	•	•	•	•	•	•	•	•	•
Dynamic Routing	•	•	•	•	•	•	•	•	•	•
App-based Provider Selection	•	•	•	•	•	•	•	•	•	•
VPN <sup>3</sup>	•	•	•	•	•	•	•	•	•	•
SSL Interception	•	•	•	•	•	•	•	•	•	•
WAN Optimization	•	•	•	•	•	•	•	•	•	•
Web Filter	•	•	•	•	•	•	•	•	•	•
Mail Gateway & Spam Filter		•	•	•	•	•	•	•	•	•
Malware Protection <sup>4</sup>		Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Advanced Threat Protection <sup>4</sup>		Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Advanced Remote Access		Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional

<sup>1</sup> The Barracuda NextGen Firewall F-Series Vx virtual image covers all editions.

<sup>2</sup> Requires a valid Energize Updates subscription

<sup>3</sup> Barracuda NextGen Firewall F-Series Vx editions include as many VPN licenses as the number of protected IPs. VPN clients with an active connection to the Barracuda NextGen Firewall F-Series Vx are counted towards the protected IP limits.

<sup>4</sup> Including FTP, mail and Web protocols

## Support Options

### Barracuda Energize Updates

- Standard technical support
- Firmware updates
- IPS signature updates
- Application control 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