Barracuda

Barracuda Spam Firewall Vx

Blocks email-borne spam and virus intrusions while preventing data loss

The Barracuda Spam Firewall Vx is a virtual appliance with integrated cloud services based on the world's best selling email security hardware appliance. This easy-to-use VM scans inbound emails to protect against spam, virus, spoofing, phishing and spyware attacks while filtering outbound emails to prevent loss of data and reputation. The Barracuda Spam Firewall Vx also integrates cloud services for email filtering and email encryption - at no added cost. For advanced email security, ease-of-use and affordability, Barracuda Spam Firewall Vx is the unrivaled solution.

Layered Security

Using 12 layers of advanced security technology, the Barracuda Spam Firewall Vx is ideal for protecting virtual email servers against spam, malware, DoS attacks, and other threats. For data loss prevention, the Barracuda Spam Firewall Vx scans outbound emails and attachments to block exposure of sensitive data such as credit card and Social Security numbers. This VM also blocks outbound spam that would cause the email server to be blacklisted. The Barracuda Spam Firewall Vx integrates two cloud-based services at no added cost. One service filters email in the cloud stopping spam and viruses outside the virtual environment. It also ensures email delivery for up to 96 hours if the email server goes down. The other cloud service encrypts emails supporting secure communication and regulatory compliance.

The Barracuda Spam Firewall Vx filters all email messages and displays the number of emails received with statistics on how they were processed.

Easy Management

The Barracuda Spam Firewall Vx is easy to deploy, use and manage end-to-end. Administrators can remotely download and install these VMs in minutes. The intuitive web UI provides instant visibility into email activity and system performance while providing fast access to security features and reports that can be automated. Also automated are Barracuda Energize Updates that keep the Barracuda Spam Firewall Vx current with the latest security definitions and firmware.
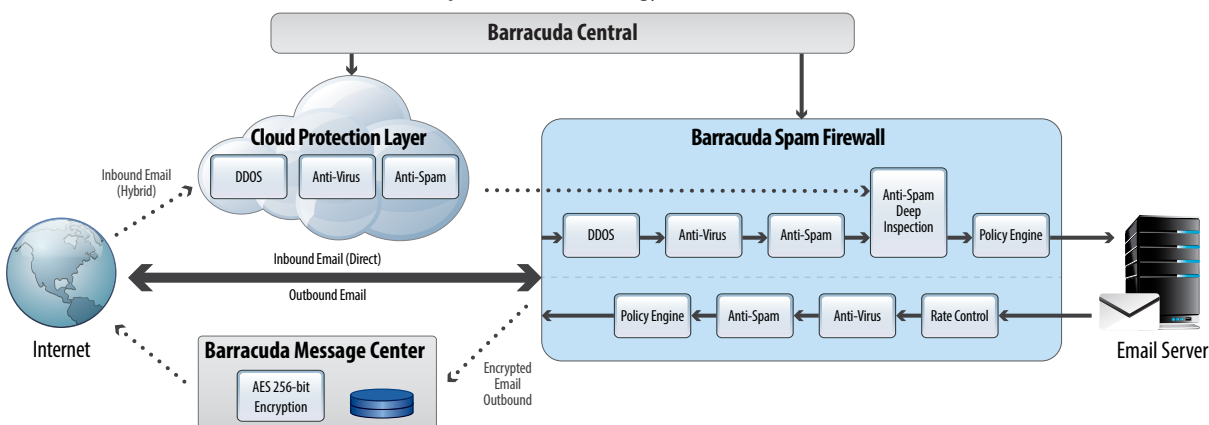
Scalable

The Barracuda Spam Firewall Vx is available in four editions handling up to 10,000 email users. Multiple Barracuda Spam & Virus Firewalls can be clustered for more capacity and high availability.

Barracuda Spam Firewall Technology Architecture

Barracuda Central

Cloud Protection Layer
- DDOS
- Anti-Virus
- Anti-Spam

Inbound Email (Hybrid)

Inbound Email (Direct)

Outbound Email

Internet

Barracuda Message Center
AES 256-bit Encryption

Encrypted Email Outbound

Barracuda Spam Firewall
- DDOS → Anti-Virus → Anti-Spam → Anti-Spam Deep Inspection → Policy Engine
- Policy Engine ← Anti-Spam ← Anti-Virus ← Rate Control

Email Server

BARRACUDA SPAM FIREWALL Vx

EDITION
100 Vx
300 Vx
400 Vx
600 Vx

TECHNICAL SPECIFICATIONS
Security Features

COMPREHENSIVE PROTECTION
- Spam and virus filtering
- Cloud protection layer
- Prevents spoofing, phishing and malware
- Denial of Service protection
- Directory harvest protection
- Outbound email filtering

SPAM FILTER
- Rate control
- IP Reputation Analysis
- Fingerprint and Image Analysis
- Rules-based scoring algorithms
- Barracuda Anti-Fraud Intelligence

SENDER AUTHENTICATION
- SPF and DomainKeys
- Emailreg.org
- Invalid bounce suppression

ADVANCED POLICY CONTROLS
- IP and content-based filtering
- Content encryption
- Sender/recipient filtering

- RBL and DNSBL support
- Keyword blocking
- Character set blocking
- Reverse DNS blocking
- URL pattern and category blocking
- TLS encryption policy

VIRUS FILTER
- Triple-layer virus blocking
- Barracuda Real-Time Protection
- Decompression of archives
- File type blocking
- Barracuda Anti-Virus Supercomputing Grid

System Features
ADMINISTRATORS
- Web-based interface
- User account administration
- Reports, graphs and statistics
- LDAP interface
- Multiple domain support
- Secure remote administration
- Delegated domain administration
- Delegated help desk role
- Email spooling

END USERS
- User-based filtering
- Individual spam scoring
- Personal allow and block lists
- End user quarantine and digest emails
- Outlook / Lotus Notes integration
- Bayesian analysis

Support Options
ENERGIZE UPDATES SUBSCRIPTION
- Standard technical support
- Hourly spam definition updates
- Barracuda Reputation databases
- Fingerprint and Intent analysis definitions
- Spam and image spam rules
- Hourly virus definition updates

EDITION COMPARISON	BSF 100 Vx	BSF 300 Vx	BSF 400 Vx	BSF 600 Vx
Active E-mail Users	1-50[1]	Up to 1,000	Up to 5,000	Up to 10,000[2]
Number of CPU Cores Allowed	1	2	3	4 or more[2, 3]
Outbound Filtering	✓	✓	✓	✓
Cloud Protection Layer	✓	✓	✓	✓
Email Encryption	✓	✓	✓	✓
LDAP Accelerator		✓	✓	✓
Per User Settings & Quarantine		✓	✓	✓
Delegated Help Desk Role		✓	✓	✓
Syslog		✓	✓	✓
Clustering & Remote Clustering			✓	✓
Per Domain Settings			✓	✓
Single Sign On			✓	✓
SNMP API				✓
Customizable Branding				✓
Per User Score Settings				✓
Delegated Domain Administration				✓

[1] Limited to providing antispam and antivirus protection for up to 50 email addresses.

[2] Licenses for additional cores can be purchased to add capacity for more users.

[3] Each added core increases capacity by 1,000 - 1,500 users depending on features selected.

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