

# smoothwall® Email Security & Filtering

Anti-Spam Features	Benefit
Content Analysis (Mailshell SpamContent)	Examines the content of messages in detail, including address fields, subject, headers, SMTP envelope content, email format, design and layout, image layout, hyperlinks, contact information, language and origin in order to identify and categorize spam email.
Reputation checking (using Mailshell Spam Detection Network & Bayesian analysis)	Sender reputations are determined using comprehensive 'real-time' databases of IP addresses, domains and email addresses of known spammers. Bayesian analysis is used to combat attempts to hide sender identity.
Bulk mail detection (Mailshell SpamBulk)	Identifies if a message or similar messages were sent in bulk by creating 'fingerprints' based on message elements that are the hardest for spammers to fake or change.
Phishing Protection (Mailshell SpamTricks)	Identifies special formatting used to evade spam filters and for phishing attacks and economical bulk mailings (including image-only messages, HTML obfuscation and manipulation using relays). Analysis of the message header includes time stamps and the SMTP envelope.
SMTP validity checking	Checks for malformed email (usually either spam or designed to attack mail server/client vulnerabilities).
Grey listing	Mail from unknown senders may be temporarily rejected. Genuine email servers (as opposed to zombies or botnets) usually resend after a short delay - if a second attempt is made, the sender is automatically added to the list of known senders.
Remote Blackhole List (RBL)	The option to utilize RBL services (maintained databases of IP addresses that are acting as open mail relays for bulk spamming).
Sender domain spoofing	Rejects any incoming email that falsely uses an internal domain in the 'from' address.
User-configurable spam treatment controls	Users have the option to add email addresses to their own blacklists or whitelists and set automatic rules for changing subjects, replacing content or sending to a quarantine mailbox. Partial domains can also be matched.
Per user quarantine	Allows each email address to have a separate quarantine as opposed to a single mailbox. Users receive a daily report of "spam-trapped" email which they can then use to view and release email.
Anti-Malware Features	Benefits
VIPRE Anti-Malware Engine	Scans all SMTP and POP3 email for viruses and other malware. Uses heuristic, behavior and pattern-based technologies, alongside the fastest emulation technique available (MX-V™) which protects users from unidentified or new variants of malware and "zero-day" threats..
Proxies & Services Features	Benefits
SMTP Relay	Reconstructs and relays incoming email to a protected email server located within a local network zone or DMZ with support for an unlimited number of domains. Transparent relay of outgoing SMTP email.
Transparent POP3 proxy	Ensures that all POP3 email is subject to anti-malware and anti-spam controls without configuration changes to users' email client software.
Reporting & Logging Features	Benefits
Email reports	Show the classification of every received email on a daily or monthly basis (spam, virus infected, blacklisted, etc) with charts to show relative proportions.
User activity reports	Show the number and size of emails sent and received per user (daily/monthly).
Spam reports	Analysis of spam received (top recipients, top sender domains, spam scores etc).
Virus reports	Breakdown of viruses received by type, origin and recipient.
Real-time log viewer	Displays instantaneous email activity including SMTP connection status.

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## Operation Features

Near real-time Updates

Disclaimer footers

Attachment removal

## Benefit

Updated every 5 mins with the latest email fingerprints and detection rules.

Ability to add standardized disclaimers to the footer of outgoing emails.  
Different disclaimers can also be attached to outgoing emails from different domains.

Allows dangerous or unwanted attachments to be discarded based on type (e.g. executable files, documents and multimedia files).

## Notes

Anti-Malware and Anti-Spam Services require subscription updates.