Premium Email Filtering

MX Verify, Redundancy, Virus & Spam

Why E-mail Sorting Solutions?

Why Vircom?

TRUST YOUR EMAIL
modus
SMART EMAIL ASSURANCE

Why?

Focused on Managed Messaging "SaaS" Security Systems

Own Superior-Architected Infrastructure

DATACENTERS:

Carrier-class hosting facilities with power and back-up power supplies, Generator, temperature, humidity control and fire suppression systems
12 hours of battery life and 24 hours of generator fuel with contracts for 4 hour diesel fuel delivery
Onsite technician

SERVER FARM

Server Clusters for Web services, E-mail filtering services and Backend SQL databases
System is based on Cisco, Dell and EMC hardware
Access to server Web and E-mail clusters is controlled by Load-Balancers to distribute IP connection across hardware and allow for easy addition of new hardware and auto-detection/removal of down equipment without interruption.
System is monitored and automatic alerts sent out when failures or heavy loads are detected. Stats stored for future growth projections.
Dual redundant/load-balanced fiber optic IP internet connections to Tier 1 internet back-bone providers.
Our clusters of servers are directly connected to the internet via Gigabit Fiber and OC-12 internet feeds from two distinct tier-1 service providers.

SUPPORTED BY CERTIFIED ENGINEERS

Linux, MCSE, CCNA, CCNP, CCDA certified engineers maintain our own infrastructure and provision our equipment and software as a service.
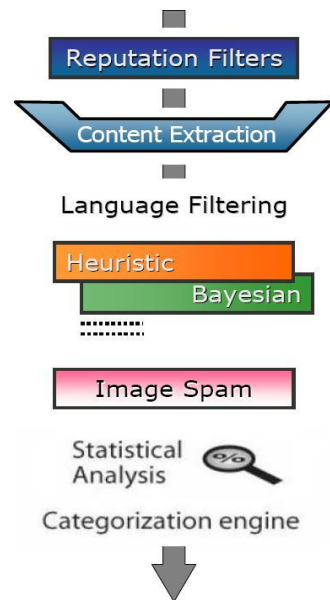
1-866-660-4292

Focused on Email Security Software since 1995

Own Well-Architected Software Technology

Why?

- Not open to hackers and spammers
- Promptly adapts to new threats or regulations
- Flexible to incorporate specific customer requirements
- Mature Technology
- Industry-acclaimed
- **> 10 years, >100 countries and >1,300 clients**
- **Millions of protected mailboxes**
- **Multiple awards for performance and value**

- **Anti-Spam Performance**
  - Proprietary Implementation
  - Multi-layered, Multi-technology
  - Anti-Spam Performance
    - 98,2% Catch rate
    - <0,1% False Positives
  - Maturity
    - Performance maintained over the years (> 10 Years)
    - Continuously addresses new spammers tactics

Together… Focused on Complete PERIMETER Email Security

• **Strong Perimeter Defence**
Protects **AASP** mail servers against:

• Dictionary Harvesting attacks (DHA),
• DoS attacks,
• Open Relay attacks.
• Reputation Filters
• Other controls

• **This represents approximately 70+% of Spam !**

• **As AASP servers are protected, our channel partners and their clients email servers are never threatened !**

Perimeter Defense:
1. Protocol filter
2. Reputation Filters:
- Reverse DNS lookup
- SPF mechanism
- Accreditation DB's
3. Block DHA attack
4. Connection limits
5. Block connections
6. Mail Relay Control
7. SMTP security
- SMTP Authentication
- 128-bit TLS Encryption

E-MAIL SORTING SOLUTIONS

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Why?

Focused on our Managed Messaging Clients Since 2003

Over the years, we've answered the requests of our end user focus groups and our channel partners by **PROVIDING**:

•No risk, guaranteed service, cancelable at will.
•No set up fees, maintenance fees or upgrade fees.
•No hardware or software purchases or licenses needed, no changes to legacy systems.
•No-long term contracts, just month to month actual billing.
•Private Labeling – Create market confidence with your **own brand name** premium email filtering services, instill assurances backing *your* service with the Vircom software name, offer seamless and quickly noticed upgrades – whether converting from current filtering services or in-house solutions.
•The ability to **create your own channel partners** and re-label again to as many selling partners as the market will bear with street pricing limits.
• Virtual ownership of our World-class infrastructure, use our redundant data centers to guarantee uptime, speed, and ironclad reliability to process huge volumes of email in milliseconds.
•Volume license sharing in the World-renowned, award winning VIRCOM email filtering software through us, with out of the box performance: 98.6%+ spam catching, very low 0.01% false positive rate, and corporate antivirus with multiple daily definition updates.
•Real time monthly billing safeguarding against turnover, with accurate user verification and unlimited email aliases, meaning fair and exact billing for only the email accounts benefiting from the filtering service. As the number of filtered email boxes fluctuates, so do the amounts charged to our channel partners and their customers.
•Standard inbound, disaster recovery and optional outbound capabilities – outbound corporate acceptable use configurations, greater control for monitoring policy.
•Web based management center for Administrators and for the end user.
•Free 30-day trial period, irrespective of mailbox deployment size.

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Focused on Email Security Technology within our own Technology Since 2006

How Does Premium Email Filtering Work?

By redirecting your email traffic through AASP data filtering centers (MX Record Change), the world remains unaware that anything on your end has changed, even the speed is the same as email is processed in milliseconds.

How we make it work…

• We enable our own virus/Spam engine scans and filter after authenticated email passing through our system is identified as belonging to a known user, on your domain.

• We work with you to set up an authentication method. When our system and your system can match inbound email with actual email users, all un-named inbound email is bounced without notification. Known email is cleaned and quarantined.

All email addresses have a "send to" formula that directs sent email to the proper email server, for delivering on to the receiver's inbox… that formula is the MX Record.

Since the MX Record is pointing to us, we now verify the email has a valid user address and forward the email (Spam excluded) to the intended email server which forwards on to the users inbox.

Provisioning:
1. **Create an Account** by adding domain name(s), mail server IP, DNS name, aliases, and named administrator(s)
2. **Secure Email Traffic** -Block all receiving email that is not from ESS
3. **Select User Verify Option** by best method that fits your security
4. **Redirect Email Traffic** by changing MX Record to point to our data centers, server clusters

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since 1995

<u>MESSAGE FILTERING TECHNOLOGY</u>

Engine/Methodology: The spam engine is centrally managed. That means that our Vircom software analyzes everything in its operations center so that no input to engine behavior is required by the end client. We have our own honey pot network that monitors more than 2.5 million messages per day, a great proportion of which are new types of threats.

The system is designed so that all these new types of messages, whether the changes range from a completely new type of spam to just a few modified pixels in an image spam message, are fed automatically into our self learning engine. Our Vircom engine is patented, the "artificial intelligence" of our engine is patented, and adjusts its own behavior based on the new data that it sees from these millions of messages.

This goes beyond simple Bayesian filtering – our Vircom engine has many different layers that combine into a patented product that doesn't rely on any one particular type of technology to perform filtering. Many of these layers are trade secrets and are responsible for the high accuracy and low false positives within the product, and are also responsible for the end result that no single type of methodology is required to guarantee catch rates – we don't need to use lexicology, dictionaries, or even have to have seen the same patterns and images before – the engine is proactive and predictive, as opposed to reactive.

Furthermore, the proactively is performed centrally. As an example, our Vircom engine uses modified Bayesian filtering as just one of many different components so that the end result, The SCA engine, is completely unique and original in the market. Furthermore, human eyes provide a second layer of protection within the overall framework – Vircom's team that works 24/7 to monitor the activity of the engine. Any drastically new types of spam, such as the paradigm shift to using PDF as spam, or for example the way Image spam first appeared suddenly on the market in 2006, is monitored by this team of individuals who can write custom code to completely modify and bolster filtering technology within our engine extremely quickly.

The self learning engine is then able to appropriate this new technology to all the variants of the new type of spam that it encounters. The result is a system that is unparalleled in responding extremely quickly to the new types of threats – while everyone else is seeing the newest threats in their inbox and playing catch up, we already have a system in place to filter it reliably.

Why?

Focused on our Client's Value & Control
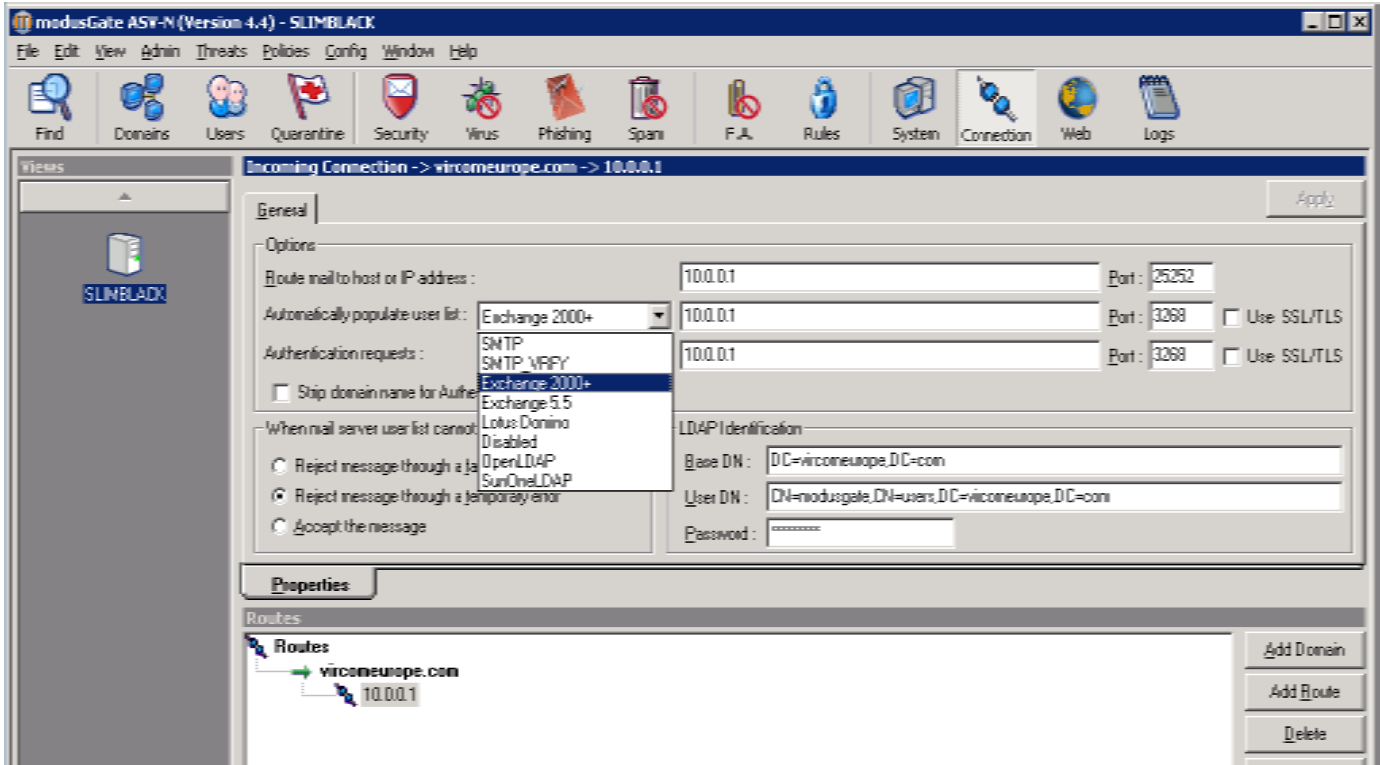
CHANNEL PARTNER ADMINISTRATION TOOLS

•Web based Reporting for Admin and enabled End User
•Web based Management Console for Admins and enabled End Users
•Multiple Sub-Administrator permission designations
•Configurable 9 layers of spam category filter settings
•Global and granular black listing and white listing
•Service blocking by domain or for a single sender
•Receiving email denial settings by IP, attachment size, file type
•Selected redundancy with enabled spooling
•Create custom inbound and outbound content filters scripts
•Rebrand Web Portals, add custom headers & footers
•If enabled, end user has full configuration of their **own** filtering settings
•Remote Domain Addition, Deletion, and Modification
•Multiple authentication settings, LDAP, SMTP, Static List…
•Implement encryption (TLS)

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Focused on Effortless Administration

Automation

Automated User/Account Management Automatic Population of User DB (SMTP, LDAP…)
•Authentication Proxy (WebQuarantine Access)

24/7 Automated Anti-Spam & anti-Phishing Updates
•Up to every 5 minutes.
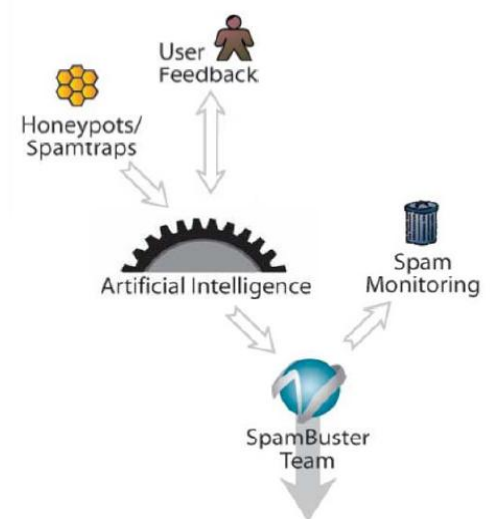Matchless self-learning mechanism
• Honeypots/Spamtraps
•User feedback:
– ISP partners,
– Corporate users
Supported by Human Analysis
•Vircom's SpamBuster Team
– Minimal False Positives
– Every input benefits to All

Personalization

Give Enabled Users Complete Control
Over their own Settings
•Ultimate granularity
•Change Category Sensitivity
•Authority Delegation (Cfr. User Interfaces)

Why?

Focus on Ease of Administration (Lost Email) Quarantine Management from Web & Email!

Custom Web Quarantine Reports (all users)

Private Label Log on Portal, Reports, and Settings Pages
•Ability to View, Delete and Release false-positives
•Report false positives and White list senders in 2 clicks
Users can customize their Report:
•Possibility to define schedule
•Possibility to select only desired items for report

Custom Emailed Quarantine Reports (all users)

•Ability to View, Delete and Release false-positives
•Report false positives and White list senders in 2 clicks
•Interactivity allowing for full quarantine functionality

Quarantine Report

This is a spam and virus report sent to betsy@abc.com on 05/23/2006 11:51 AM
You can change the report contents or stop delivery of these reports.

Statistics for Email Received in the Last 7 Days:

Total Email	Total SPAM	Total Phish/Fraud	Total Viruses	Total Attachments
4357	3582	1	1	3

The following messages have potentially harmful content

File Type	Subject	From	Date	Release
MyDoom.L	Hi!	jimbob@vop-tech-mm.vircom.com	05/22/06 09:32 AM	N/A
myfile.wmf	Check this out	jimbob@vop-tech-mm.vircom.com	05/22/06 11:41 AM	N/A
Fraud	Unauthorized Access Report	jimbob@vop-tech-mm.vircom.com	05/22/06 12:43 PM	N/A

Delete all Threats

The following messages have a lower probability of SPAM and need your attention

SPAM Type	Subject	From	Date	Release
Miscellaneous	spamtrigg3rextreme	jimbob@vop-tech-mm.vircom.com	05/22/06 06:55 AM	Release
Money	spamtrigg3rstrong	jimbob@vop-tech-mm.vircom.com	05/22/06 10:08 AM	Release
Newsletter	Microsoft Partner Edition	jimbob@vop-tech-mm.vircom.com	05/22/06 02:33 PM	Release

The following messages have a high probability of being SPAM

	Subject	From	Date	Release
Goods	Re: test AuMBBIEN	ra@basys.svt.se	05/22/06 06:55 AM	Release
Rules	Weekly Sales Information	sjajmgxy@thesmb.com	05/22/06 10:08 AM	Release
Adult	Hey!	carolosif@hommail.com	05/22/06 02:33 PM	Release

Delete all Spam

IMPORTANT NOTE: You are receiving this report because some of the email that was sent to you or from you is suspected to be unsolicited (SPAM) or to have potentially harmful content. The suspect messages are being held in a personal folder called Quarantine. If you think any of the emails listed here are legitimate, you can click the Subject link to view the content of the message. Release the message to your inbox and report it as being legitimate mail (the report will help to further refine the anti-SPAM filters). Messages detained due to harmful content will not be released to your inbox.

Powered by Vircom Inc.   Questions? Contact your System Administrator

E-MAIL SORTING SOLUTIONS

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Focus on Scope of Administration with Email Quarantine Report

- **Quarantine report feature comparison**

	Vircom	Symantec	Ironport	Barracuda	TrendMicro	GFI	Postini	BlackSpider
Quarantine Report	√	√	√	√	-[1]	-[2]	√	√
View Message	√	-	√	√	-	-	-	-
Release Message	√	√	-	√	-	-	-	-
Delete Message	√	-	-	√	-	-	-	-
Report Message	√	-	-	√	-	-	-	-
Whiltelist Sender	√	-	-	√	-	-	-	-
Generate report on demand	√	-	-	-	-	-	-	-
Report customization	√	-	-	-	-	-	-	-
Basic Filtering Statistics	√	-	-	-	-	-	-	-

[1] Only offer WebQuarantine

[2] Use MS Exchange Folders

Focus on Scope of Administration with Web Quarantine Report

- **WebQuarantine feature comparison**

	Vircom	Symantec	Ironport	Barracuda	TrendMicro	GFI	Postini	BlackSpider
WebQuarantine	√	√	√	√	√	- [1]	√	√
View Message	√	√	√	√	√	-	√	√
Delete, Release and Report	√	√	√	√	√	-	√	√
Whiltelist Sender	√	Plug-in	-	√	√	-	√	√
Blacklist Sender	√	Plug-in	-	√	√	-	√	√
anti-Spam Settings	√	-	-	√	-	-	√	-
anti-Phishing Settings	√	-	-	-	-	-	-	-
Language Filtering	√	Plug-in	-	-	-	-	-	-
QT Report Schedule	√	-	-	√	-	-	-	-
QT Report Customization	√	-	-	√	-	-	-	-
Filtering Statistics	√	-	-	-	-	-	-	-

[1] Use MS Exchange Folders

Feature Summary

Premium Email Filtering

August, 2007

Email Protection Feature	Status	Description
Spam Filtering	Yes	98.6% "out of the box"
Virus Blocking	Yes	Commercial Updates
Connection Defense	Yes	Block/Allow by IP etc...
Delivery Configuration	Yes	Load Balance, Fail Over
Reports	Yes	Web Based & Emailed
Message Center	Yes	Web User Interface
Quarantine Summary	Yes	Email & Web Based
Spam Blocking	Configurable	Verify User or Bounce
Directory Harvest Attack	Configurable	AASP Servers Attacked, Client Perimeter Defended
Spam "Email Bomb" and Virus Attack protection	Configurable	AASP Servers Attacked, Client Perimeter Defended
Spooling	Yes	Up to 3 Days w/Notification
Attachment Control	Yes	Size and File Type
Inbound Content Manager	Yes	Standard/Custom Scripting
Transport-Layer Security (TLS)	Yes	Encryption
Industry Heuristics	Yes	Standard/Custom Scripting
User Directory Management (LDAP-SMTP)	Yes	Auto-User Authentication
Outbound Services • Attachment Manager • Content Manager/Corporate Secrets Quarantine • Virus Filtering/Downside Liability • Compliance Footer	Yes	Enterprise Rich control for (AUP) Acceptable Use Policy
Instant Messaging	Yes	Managed Addition
Archiving	Yes	Managed Addition
Private Labeling	Yes	Client Identity on Services
Aggregate Pricing for Core Services/Reselling	Yes	Channel Ready
Cancellation/Performance Clause	Yes	99.999% Uptime Guarantee
Monthly Churn Protection	Yes	Auto-User Verify, Aliases waived, Actual Billing
Migration Consulting	Yes	Black/White List Import

Call AASP at 1-888-371-7333

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