

Cellopoint E-mail Firewall



This is a multi-featured mail gateway (also known as a mail firewall) deployed in front of a mail server to provide added security and functions. It is powered by CelloOS 3.3 from Cellopoint Labs which has the capability to filter out email threats unmatched by traditional firewalls. (Some examples of these threats are: spam mails, viruses, spywares, phishing attacks, Trojan horses, worms, internet viruses, internet hacker attacks.) In addition, Cellopoint Secure Mail Gateway provides a complete secure mail reporting and management environment.

Seven A's of secure email protection

- ✓ **Anti-Spam**
Rid spam mails from users' inboxes and increase mail server efficiency.
- ✓ **Anti-Virus**
Provide an (optional) ICSA-compliant anti-virus engine to filter out mail traffic.
- ✓ **Anti-Spyware**
Provide a WebCoastLabs-compliant engine which passes 100% on Spyware testing. (Optional)
- ✓ **Anti-Phishing**
Protect users from clicking links inside spam mails which lead to phishing websites.
- ✓ **Anti-Relay**
Prevent spammers from using your computer to relay their mails; via Open Relay.
- ✓ **Anti-DoS**
Prevent DoS (denial of service) attacks; or inadvertent spreading of viruses which would bring down your system.
- ✓ **Anti-Hacking**
Prevent hackers from getting past the firewall through SMTP security holes to install a Trojan horse virus.

Complete secure mail management

- ✓ **Mail Archive**
Perform backup for incoming and outgoing mails including attachments.
- ✓ **Mail Statistics**
Provide daily, weekly, monthly statistics on the volumes and sizes of mail traffic.
- ✓ **Mail Analysis**
Perform TopN ranking analysis on both sender and recipient sides of the mail traffic.
- ✓ **Mail Report**
Generate reports from analyses and statistics.
- ✓ **Mail Audit**
Allow administrators to check mail history for inappropriate content.
- ✓ **Mail Search**
Provide mail searching capabilities with Cellopoint's proprietary search engine.
- ✓ **Mail Control**
Provide mail control features to automatically forward, re-route, and assign aliases to specified mails.

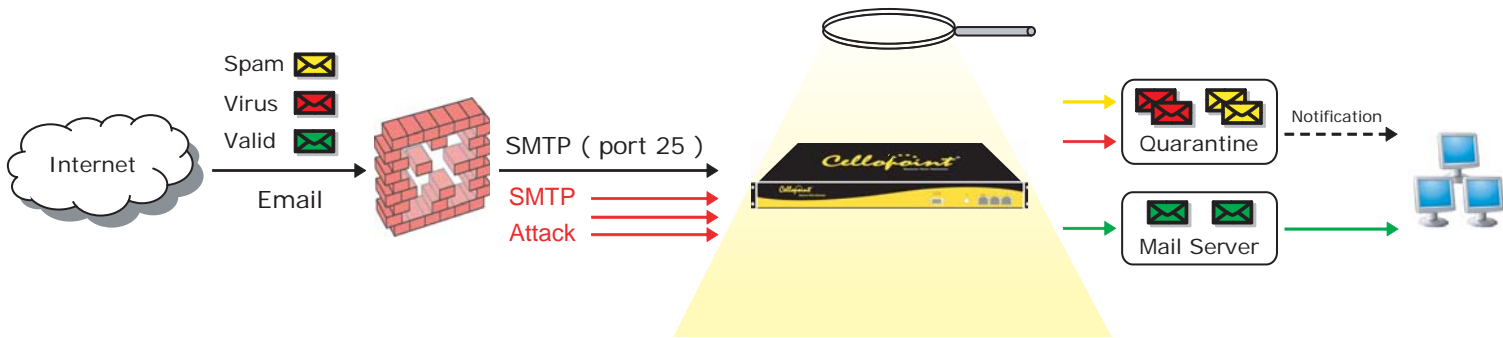
Problems eliminated

- Prevent spam mails from flooding users' mailboxes
- Prevent email bombs
- Prevent spread of viruses
- Prevent phishing attacks
- Prevent wasting of broadband resources
- Prevent mail server attacks

Savings and efficiency gained

- Save time on searching mails
- Save time otherwise spent on deleting spam mails
- Save storage spaces
- Increase work productivity
- Increase mail server effectiveness
- Save time on IT administration
- Manage mail traffic volumes
- Enforce policy rules
- Enable flexible individual and group management

Cellopoint Email Firewall Operational Approach :



Pre-Security

1. SMTP Security Check
2. Connection Limits and Check
3. DoS Prevention
4. Harden CelloOS

Mail Control

5. Mail Routing
6. Mail Relay Control
7. Channel Alias
8. Mail Forwarding

Anti-Virus

9. Clam Anti-Virus
10. Sophos Anti-Virus
11. Anti-Spyware
12. 7*24*265 Virus Pattern Update

Authentication

13. POP3 Authentication
14. LDAP Authentication
15. Integrate Microsoft AD
16. LDAP for IBM Notes
17. Local Account
18. Import LDAP Database
19. Synchronize with LDAP Automatically
20. Multi Authentication Server

Anti-Spam

21. SMTP Session Check
22. Header Check
23. Body Check
24. Analyze Sender Behavior
25. RBL (Real-time Blackhole List) Check
26. Reverse DNS Lookup
27. SPF (Sender Policy Framework)
28. System/Group/Personal Policy
29. Black Lists
30. White Lists
31. Spoofed Sender Verification
32. Recipient Verification
33. Mail-bombing Prevention)
34. Content Keywords Check
35. Subject Keywords Check
36. Intelligent Content Filter
37. Bayesian Algorithm
38. Heuristic Analysis
39. URL Classification
40. Auto Learning
41. Import/Export Learning Database
42. Personal Black/White Lists
43. Personal Mailbox
44. Intuitive Feedback Correction
45. Resend the Quarantined Mail
46. Send the Notification Automatically
47. Limit the Mail Size
48. Tagging the Spam Mail
49. Multi-Thread Scanning
50. Update Anti-Spam Rule

Mail Auditing

51. Mail Archive
52. Mail Statistics
53. Mail Analysis
54. Mail Report
55. TopN Ranking Analysis
56. Identify Fake-Mail
57. Authentication and Postmarked Mail
58. Mail Preview
59. Search Engine
60. Remote Backup automatically

Management

61. Chinese / English / Japanese UI
62. Intuitive Web-based UI
63. Online Help
64. Install Wizard
65. Access Log
66. Management by Group
67. Hierarchical System Administration
68. Secured HTTPs Management
69. Restricted Admin's Source IP Address
70. Multi Mail Domain
71. Multi Mail Server
72. High Availability
73. Active-Active Load Balancing
74. Extend for Storage
75. CelloOS Update

Partner and Authentication :



Compliance

Email Security has become a highlighted topic in many advanced countries around the world:

1. In 2002, the Sarbanes-Oxley Act of the United States ruled that organizations must keep their department-related electronic files in storage for at least five years. This includes electronic mails.
2. Specialized and medical industries in the US are subject to an even stricter rule which requires that they keep their mails in backup for at least six years. Related topics can be found in HIPPA (Health Insurance Portability and Accountability Act).
3. Finance and accounting departments need to comply with the SEC 17 CFR Part 210 law which requires them to keep their mail archives at least seven years.
4. In Japan 2005, the "Personal Intelligence Protection" act states that organizations have the responsibility to protect their users' private data from being externally exposed.
5. Japan plans to pass a policy in 2007~2008 similar to the Sarbanes-Oxley Act of the US.
6. Taiwan's parliament is due to pass a new law requiring the finance ministry to enforce the "New Basel Capital Accord" on companies in the financial sector. This accord stipulates that companies must have a working mechanism to backup and audit their IT data.
7. The "Internet email service management approach" has been passed by the People's Republic of China's Ministry of Information Industry on November 7th, 2005 and promulgated since March 30th, 2006.

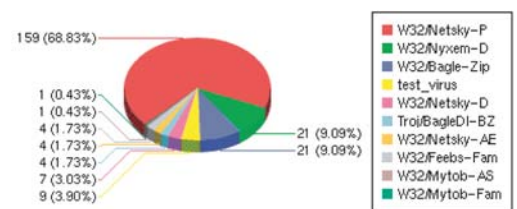
Company-Wide Benefits

1. Compliant with ISO17799's framework for email safety and management.
2. Allow companies to enforce customized mail administrative policies.
3. Provide a flexible mechanism for configuring individual- and group-wide policies.
4. Provide integration with other systems such as login sharing with LDAP.



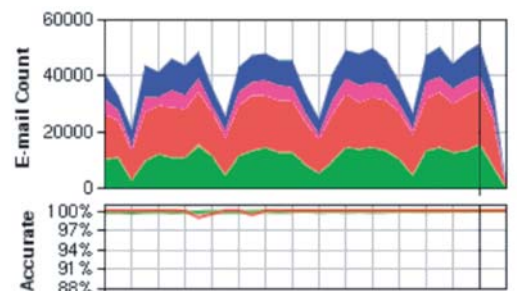
Personal Benefits

1. Increase knowledge and understanding about spam mails.
2. Customize personal preferences. Preview, check and forward emails you select at any time.
3. Personalize settings for preferred language, black and white lists, etc.



Rich and Multifaceted Statistical Reporting

1. Provide system-, group-, and individual-wide statistics.
2. Provide statistics and trend analyses for mail interception rate and fault detection rate.
3. Provide performance statistics on CPU usage, storage space in use, mail queues, etc.
4. Provide statistics based on mail interception causes, spam mail distribution.
5. Provide graphical trend analyses on daily, weekly, monthly, yearly samples.
6. Provide TopN ranking analysis.
7. Provide log records for all users' incoming and outgoing mailing activities.
8. Provide SMTP session records and search analysis.
9. Provide Cellopoint's fast and proprietary search engine.
10. Allow reports to be exported in HTML format.



CEF (Cellopoint E-mail Firewall) Specification

HW-CEF-Series

Model	50、100、200	300、400、500	1000、2000、5000	10K、20K、Un
E-mail Capacity per Day	50 ~ 200 K	300 ~ 500 K	1 ~ 5 Million	10 ~ 20 Million
Active E-mail Users	50 ~ 200	300 ~ 500	1,000 ~ 5,000	10,000 ~ Unlimited
Storage (SATA HDD)	80 GB	80 GB	400 GB	400 GB
RAID 1 (Two HDD Mirror)	O	O	O	O
Remote Backup by FTP	O	O	O	O
Inbound / Outbound Anti-Spam	O	O	O	O
Relay Mode	O	O	O	O
Transparent (In-Line) Mode	O	O	O	O
Clustering	O	O	O	O
Ethernet	10/100/1000 * 2	10/100/1000 * 2	10/100/1000 * 2	10/100/1000 * 2
1U 19" Rackmount Appliance	O	O	O	O
Hardware Warranty	1 Year	1 Year	1 Year	1 Year
Anti-Spam Rule UpDate	1 Year	1 Year	1 Year	1 Year
Compatible with All Mail Servers	O	O	O	O
Harden and Secure CelloOS	O	O	O	O
MS Exchange / LDAP Integration	O	O	O	O
Per User Setting and Quarantine	O	O	O	O
Group and Sub-Group Setting	O	O	O	O
Single Sign On	O	O	O	O
Customizable Branding	O	O	O	O
Hardware Bypass Card *	O	O	O	O
Content Filter *	O	O	O	O
E-mail QoS *	O	O	O	O
Digital Signature *	O	O	O	O
E-mail Encryption *	O	O	O	O
SCSI Card for Disk Array *		O	O	O
Faiber Card for SAN *			O	O

* means optional

Product Warranty and Service

CEF provides a one year warranty supporting product's hardware and software (CelloOS). It also provides an optional warranty which covers further product upgrades and maintenance. It is advisable that users keep up with their product upgrades to ensure optimal operational performance. In addition, Cellopoint offers telephone support, an advanced SLA (Service Level Agreement) service, and educational courses and training. If you wish further information about Cellopoint's product updates, please contact Cellopoint's Taiwan headquarters or email: sales@cellopoint.com.

Distributor