

Security Appliance

SecSMTP

The SecSMTP is a secure mail queuer to be used outside the firewall or on a DMZ as a front SMTP server to protect legacy mail services within the internal network. SecSMTP can easily control and verify SMTP commands and relaying and can also integrate commercial anti-virus products. SecSMTP can contact a LDAP directory server to get the security policy related to domains or users. SecSMTP can act also as a backup mail services.

SecSMTP is designed for maximum network uptime and security by integrating all SMTP functionalities over a Conostix standard component -SecCORE- composed of a secure Operating System , a local Firewall , a local IDS (Intrusion Detection System), MAC (Mandatory Access Control) and a High Availability module.

The system can be easily managed from a standard Web browser or via a SSH tunnel.

Key features

- Protect against junk e-mail (SPAM) by contacting external RBL/MAPS services
- Can integrate commercial anti-virus filters like Sophos, TrendMicro VirusWall, Kaspersky
- Identify, block, remove or delay e-mails with oversize attached files
- Identify, block, remove or deviate e-mail with unwanted attached file types
- Can attach legal disclaimers

- Can redirect e-mails upon aliases definition
- Can forward e-mails for non-existent users to known users
- Can do address rewriting and masquerading

- Can retrieve e-mails from external POP3/IMAP servers and defer to legacy internal mail services in a secure way
- Can use LDAP directory server to retrieve user or domain policy configuration
- Managed from a standard Web browser or from encrypted SSH tunnel

System security

SecCORE is the standard component base for all security appliances offered by Conostix. As most important security functionalities can be considered the secure hardened operating system (SecOS), high-availability (HA Mod) and packet filtering (SecFW).

SecOS is a hardened operating system derived from Linux. SecOS is optimized for packet forwarding and handling of these packets. SecOS adds a lot of standard security features like :

- Local IDS to detect file change, configuration change and malicious activities
- MAC (Mandatory access control) at the operating system level by standard (control of each file, process, tcp port...)
- Stripped operating system with no additional libraries and binaries.

The High-Availability module (HA Mod) provides network redundancy and fail-over for all services running on the appliance. The module uses High-Availability IP routing services. The HA Mod is compliant to VRRPv2 (RFC2338). It provides dynamic fail-over of IP addresses from one appliance to another in the event of failure.

SecFW is a standard firewall solution running on SecOS. Firewalling runs on every security appliance and not only on a central point. SecFW is a stateful inspection firewall and provides extensive logging.



The appliance

Dimension :

- Compact 1U rack-optimized
- 1.70"H x 24"L x 16.75"W

Standard :

- Intel Quad core 2 processor
- 1024 DDR2 1
- 2 x 10/100/1000 BT network adapters
- 2 x 73 GB HDD SAS
- 24X DVD/RW
- Floppy drive
- SVGA, Serial RS232C port, PS/2 keyboard/mouse connectors

Optional :

- Up to 4 GB SDRAM 133 Mhz
- Up to 2 Quad Ethernet 10/100/1000 BT cards
- RAID controller

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