



Connect PrivaWall
Tech Note

PrivaWall

1. Connect's Email Gateway (aka PrivaWall) is an e-mail security server that automatically applies rule-based operations to any e-mail passing through the corporate system. The e-mail can be scanned for viruses, blocked, encrypted, decrypted, logged, rerouted etc., all according to the rules that match it and designed to enforce the corporate e-mail security policy.
2. PrivaWall operates in a Windows 2008/2012 environment and works hand in hand with the enterprise firewall and any SMTP mail server therefore provides total security for e-mail messaging.
3. The PrivaWall Server operates in conjunction with an enterprise firewall and e-mail server. Ordinarily, incoming SMTP traffic is intercepted by the firewall and routed to an e-mail server. With PrivaWall in use, the firewall is configured to redirect SMTP traffic to PrivaWall. PrivaWall enforces the e-mail security policy by applying the rules stored in the PrivaWall Rule base to the e-mail traffic. PrivaWall then directs the processed e-mail to the SMTP server for normal e-mail processing.
4. PrivaWall is designed to support SMTP (Simple Mail Transfer Protocol) as defined in RFC 821 and is compatible with SMTP mail servers, supporting as well , e-mail clients that use the advanced ESMTP protocol by signaling the ESMTP and telling it to switch to SMTP.
5. PrivaWall antivirus engine can scan for virus-infected attachments in incoming and outgoing messages.
6. PrivaWall antivirus can be set to remove macros from office documents, suspicious content from HTML and PDF files contains embedded files, file links or java scripts.
7. PrivaWall's antivirus function can be set to update automatically with new virus definitions in pre-determined intervals.
8. Instead of using the PrivaWall built in antivirus scanners, the administrator can opt for using an external antivirus package as specified in the 'Anti Virus' options. Note however that this option will result in longer scanning time for each message.
9. PrivaWall SMTP Proxy is an automatic, real-time program that handles the e-mail traffic according to the policy.
10. E-mail messages are delivered to PrivaWall in their MIME format. PrivaWall parses them back to their components--body text, header and attachments, and retrieves the parameters to be checked against the rule base. The Policy Enforcer then scans all the rules to see which apply to a specific e-mail message. The result can be none, one, or many of the rules.

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