

Anti-Spam Security Service

E-mail is an indispensable form of communication that has made its way into every aspect of our modern lives. However, statistics show that more than 70 percent of all e-mail is spam, and more than 90 percent of spam carries some form of malware. To defend against spam, malware, and phishing attacks, it is essential to deploy effective anti-spam technology. With that in mind, Zyxel Anti-Spam leverages a cloud-based pre-perimeter defense system to protect your e-mail from malware.

Different from the traditional mail server, the UTM Anti-Spam service can filter out malware and spam to provide the most thorough protection for any end point under an internal network. Zyxel Anti-Spam service reduces unsolicited e-mail and increases business productivity by allowing you to block spam on the network edge, thereby unburdening your e-mail servers.

Benefits

A Multi-Layered Scan Engine to Spam Detection

Zyxel Anti-Spam utilizes several techniques to filter E-mail, detecting on both SMTP and POP3 packets through local rules and a real-time cloud database. It will not miss any spam mail filtered through our multi-layered scan engine. Zyxel Anti-Spam can be enabled with the following layers of inspection to ensure the effectiveness:

- White list
- Black list
- IP reputation
- Mail content
- Virus outbreak
- DNSBL

Effective Zombie Defense

A zombie network is a compromised computer system that can be remotely controlled by a hacker. The Zombie system is often used to send out spam, phishing attacks, and virus-laden emails. If your network has been compromised in this manner and it goes undetected, it is very possible that your organization's IP address - the one used by the Zombie to send spam - could be blacklisted. Potentially, harmless e-mail from your organization's IP address would be blocked as your IP address is on one or more blacklists.

Zyxel Anti-Spam service protects your email server's IP reputation by detecting and stopping zombie-generated outbound spam, phishing, and virus e-mail. The global view database and cloud-based detection also provide the real-time security to defend against zombie attacks.



Zero false positives: Global detection from a patented content and language agnostic solution



Far-reaching coverage: Identify spam regardless of language, format, or content of the message



High-quality protection: Global Cloud gathers billions of Internet messages daily to keep the analysis precise.

Flexible Administrator Control

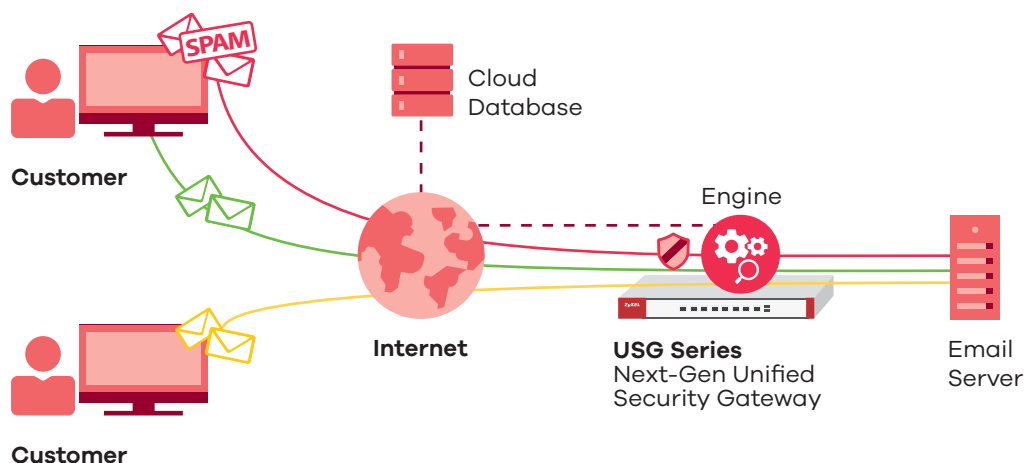
Zyxel Anti-Spam service not only detects and filters out spam and malware-carrying messages. Our Smart Report function will tag e-mail messages to warn end-users that the mail may be spam or malware in case an important

message that was inadvertently infected. Network administrators can also set custom rules for filtering e-mail and decide how messages will be processed.






Features

- Transparent mail interception via SMTP and POP3 protocols
- Configurable POP3 and SMTP ports
- Sender-based IP Reputation Filter
 - Compiles historical and up-to-the-minute sender reputation data from highly diverse traffic sources
 - Identifies hundreds of thousands of new zombies daily from over tens of millions of IP addresses
 - Classifies billions of messages per week, in real-time
- Recurrent Pattern Detection (RPD) technology (powered by CyREN)
- Zero-hour Outbreak Protection
 - Blocks or delays suspect messages hours before commercial signautres are available
 - Fully automated real-time solution with zero human intervention
 - Identifies outbreaks in an language, message format, and encoding type
- X-Header support
- Blacklist and whitelist support
- Supports DNSBL checking
- Spam TAG support
- Statistics report

Application Diagram



Compatible Security Appliances

Category	Product	
Next-Gen USG Performance Series	USG40/40W/60/60W	
Next-Gen USG Advanced Series	USG110/210/310	
Next-Gen USG Extreme Series	USG1100/1900	
VPN Firewall	USG20-VPN/20W-VPN	
VPN Firewall	ZyWALL 110/310/1100	

Compatible Security Appliances license Overview

License	Anti-Virus		Anti-Spam		Content Filtering 2.0		IDP with Application Patrol		Hotspot Management		Device HA Pro	
	1 year	2 years	1 year	2 years	1 year	2 years	1 year	2 years	1 year	One-time	One-time	
Next-Gen USG Series												
USG40/40W	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	
USG60/60W	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	-	-	-	
USG110	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
USG210	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
USG310	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
USG1100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
USG1900	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
VPN Firewall Series												
USG20-VPN	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-	
USG20W-VPN	-	-	Yes	Yes	Yes	Yes	-	-	-	-	-	
ZyWALL 110	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
ZyWALL 310	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
ZyWALL 1100	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	

Compatible Security Appliances Performance Overview

License	Firewall (Mbps)	Firewall + IPS (Mbps)	Firewall + AV (Mbps)	Firewall + UTM (AV+IDP) (Mbps)	Maximum Concurrent Connections	New Session Rate
Next-Gen USG Series						
USG40/40W	400	55	50	50	20,000	1,000
USG60/60W	1,000	120	90	90	40,000	1,000
USG110	1,600	250	300	250	60,000	2,800
USG210	1,900	300	350	300	80,000	2,800
USG310	5,000	500	450	450	200,000	8,000
USG1100	6,000	550	500	500	500,000	8,000
USG1900	7,000	650	550	550	500,000	8,000
VPN Firewall Series						
USG20-VPN	350	-	-	-	20,000	2,000
USG20W-VPN	350	-	-	-	20,000	2,000
ZyWALL 110	1,600	250	300	250	60,000	2,800
ZyWALL 310	5,000	500	450	450	200,000	8,000
ZyWALL 1100	7,000	650	550	550	500,000	8,000

For more product information, visit us on the web at www.zyxel.com

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