



XG Firewall Features

Sophos XG Firewall

Highlights

- ▶ Purpose-built user interface with interactive control center
- ▶ Optimized 3-clicks-to-anywhere navigation
- ▶ Policy Control Center Widget monitors policy activity for business, user and network policies and tracks unused, disabled, changed and new policies
- ▶ New unified policy model enabling all business, user and network policies to be managed on a single screen with powerful filtering and search options
- ▶ Policy Templates for common business applications like Microsoft Exchange, SharePoint, Lync, and much more defined in XML enabling customization and sharing.
- ▶ Policy natural language descriptions and at-a-glance policy enforcement indicators
- ▶ Custom IPS, Web, App, and Traffic Shapping (QoS) settings per user or network policy on a single screen
- ▶ Layer-8 user identity awareness across key areas of the firewall
- ▶ Sophos Security Heartbeat connecting Sophos endpoints with the Firewall to share health status and telemetry to enable instant identification of unhealthy or compromised endpoints
- ▶ Policy support for Sophos Security Heartbeat to automatically isolate or limit network access to compromised endpoints
- ▶ User Threat Quotient for identifying risky users based on recent browsing behavior and ATP triggers
- ▶ Application Risk Meter provides and overall risk factor based on the risk level of applications on the network
- ▶ Configuration API for all features for RMM/PSA integration
- ▶ Discover Mode (TAP mode) for seamless integration for trials and PoCs
- ▶ Full-featured centralized management with Sophos Firewall Manager available as a hardware, software, or virtual appliance
- ▶ New virtual and software licensing model based on CPU and Memory resources

Base Firewall

General Management

- ▶ Purpose-built streamlined user interface
- ▶ 3-clicks-to-anywhere navigation
- ▶ Self-documenting menu system
- ▶ Advanced trouble-shooting tools in GUI (e.g. Packet Capture)
- ▶ High Availability (HA) support clustering 2 devices in active-active or active-passive mode.
- ▶ Full command-line-interface (CLI) accessible from GUI
- ▶ Role-based administration
- ▶ Automated firmware update notification with easy automated update process and roll-back features
- ▶ Reusable system object definitions for networks, services, hosts, time periods, users and groups, clients and servers
- ▶ Self-service user portal
- ▶ Configuration change tracking
- ▶ Flexible device access control for services by zones
- ▶ Email or SNMP trap notification options
- ▶ SNMP and Netflow support
- ▶ Central management support from Sophos Firewall Manager or Sophos Cloud Firewall Manager
- ▶ Backup and restore configurations: locally, via FTP or email; on-demand, daily, weekly or monthly
- ▶ API for 3rd party integration
- ▶ Remote access option for Sophos Support
- ▶ Cloud-based license management via MySophos

Firewall, Networking & Routing

- ▶ Stateful deep packet inspection firewall
- ▶ FastPath Packet Optimization
- ▶ User, group, time, or network based policies
- ▶ Access time polices per user/group
- ▶ Enforce policy across zones, networks, or by service type
- ▶ Zone isolation and zone-based policy support.
- ▶ Default zones for LAN, WAN, DMZ, LOCAL, VPN and WiFi
- ▶ Custom zones on LAN or DMZ
- ▶ Customizable NAT policies with IP masquerading
- ▶ Flood protection: DoS, DDoS and portscan blocking
- ▶ Country blocking by geo-IP
- ▶ Routing: static, multicast (PIM-SM) and dynamic (RIP, BGP, OSPF)
- ▶ Upstream proxy support
- ▶ Protocol independent multicast routing with IGMP snooping
- ▶ Bridging with STP support and ARP broadcast forwarding

XG Firewall Features

- › VLAN DHCP support and tagging
- › Multiple bridge support
- › WAN link balancing: multiple Internet connections, auto-link health check, automatic failover, automatic and weighted balancing and granular multipath rules
- › Wireless WAN support (n/a in virtual deployments)
- › 802.3ad interface link aggregation
- › Full configuration of DNS, DHCP and NTP
- › Dynamic DNS
- › IPv6 support with tunnelling support including 6in4, 6to4, 4in6, and IPv6 rapid deployment (6rd) through IPsec

Base Traffic Shaping & Quotas

- › Flexible network or user based traffic shaping (QoS) (enhanced Web and App traffic shaping options are included with the Web Protection Subscription)
- › Set user-based traffic quotas on upload/download or total traffic and cyclical or non-cyclical
- › Real-time VoIP optimization

Secure Wireless

- › Simple plug-and-play deployment of Sophos wireless access points (APs) - automatically appear on the firewall control center
- › Central monitor and manage all APs and wireless clients through the built-in wireless controller
- › Bridge APs to LAN, VLAN, or a separate zone with client isolation options
- › Multiple SSID support per radio including hidden SSIDs
- › Support for the latest security and encryption including WPA2 Personal and Enterprise
- › Support for IEEE 802.1X (RADIUS authentication)
- › Support for 802.11r (fast transition)
- › Hotspot support for (custom) vouchers, password of the day, or T&C acceptance
- › Wireless guest Internet access with walled garden options
- › Time-based wireless network access
- › Wireless repeating and bridging meshed network mode with supported APs
- › Automatic channel selection background optimization
- › Support for HTTPS login
- › Rogue AP detection

Authentication

- › Transparent, proxy authentication (NTLM/Kerberos) or client authentication
- › Authentication via: Active Directory, eDirectory, RADIUS, LDAP and TACACS+
- › Server authentication agents for Active Directory SSO, STAS, SATC
- › Client authentication agents for Windows, Mac OS X, Linux 32/64
- › Authentication certificates for iOS and Android
- › Single sign-on: Active directory, eDirectory
- › Authentication services for IPsec, L2TP, PPTP, SSL
- › Captive Portal

User Self-Serve Portal

- › Download the Sophos Authentication Client
- › Download SSL remote access client (Windows) and configuration files (other OS)
- › Hotspot access information
- › Change user name and password
- › View personal internet usage
- › Access quarantined messages (requires Email Protection)

Base VPN Options

- › Site-to-site VPN: SSL, IPsec, 256-bit AES/3DES, PFS, RSA, X.509 certificates, pre-shared key
- › L2TP and PPTP
- › Remote access: SSL, IPsec, iPhone/iPad/Cisco/Android VPN client support
- › SSL client for Windows & configuration download via user portal

IPsec Client (sold separately)

- › Authentication: Pre-Shared Key (PSK), PKI (X.509), Smartcards, Token and XAUTH
- › Encryption: AES (128/192/256), DES, 3DES (112/168), Blowfish, RSA (up to 2048 Bit), DH groups 1/2/5/14, MD5 and SHA-256/384/512
- › Intelligent split-tunneling for optimum traffic routing
- › NAT-traversal support
- › Client-monitor for graphical overview of connection status
- › Multilingual: German, English and French

Network Protection Subscription

Intrusion Prevention (IPS)

- › High-performance, next-gen IPS deep packet inspection engine with selective IPS patterns for maximum performance and protection
- › Thousands of signatures
- › Support for custom IPS signatures
- › Flexible IPS policy deployment as part of any network or user policy with full customization

ATP and Security Heartbeat™

- › Advanced Threat Protection (Detect and block network traffic attempting to contact command and control servers using multi-layered DNS, AFC, and firewall)
- › Sophos Security Heartbeat™ instantly identifies compromised endpoints including the host, user, process, incident count, and time of compromise
- › Sophos Security Heartbeat™ policies can limit access to network resources or completely isolate compromised systems until they are cleaned up

Remote Ethernet Device (RED) VPN

- › Central Management of all RED devices
- › No configuration: Automatically connects through a cloud-based provisioning service
- › Secure encrypted tunnel using digital X.509 certificates and AES256- encryption
- › Virtual Ethernet for reliable transfer of

XG Firewall Features

- all traffic between locations
- › IP address management with centrally defined DHCP and DNS Server configuration
- › Remotely de-authorize RED devices after a select period of inactivity
- › Compression of tunnel traffic
- › VLAN port configuration options (RED 50)

Clientless VPN

- › Sophos unique encrypted HTML5 self-service portal with support for RDP, HTTP, HTTPS, SSH, Telnet and VNC

Web Protection Subscription

Web Protection and Control

- › Fully transparent proxy for anti-malware and web-filtering
- › Enhanced Advanced Threat Protection
- › URL Filter database with millions of sites across 92 categories backed by SophosLabs
- › Surfing quota time policies per user/group
- › Access time polices per user/group
- › Malware scanning: block all forms of viruses, web malware, trojans and spyware on HTTP/S, FTP and web-based email
- › Advanced web malware protection with JavaScript emulation
- › Live Protection real-time in-the-cloud lookups for the latest threat intelligence
- › Second independent malware detection engine (Avira) for dual-scanning
- › Real-time or batch mode scanning
- › Pharming Protection
- › HTTP and HTTPS scanning and enforcement on any network and user policy with fully customizable rules and exceptions
- › SSL protocol tunnelling detection and enforcement
- › Certificate validation
- › High performance web content caching
- › Forced caching for Sophos Endpoint updates
- › File type filtering by mime-type, extension and active content types (e.g. Activex, applets, cookies, etc.)
- › YouTube for Schools enforcement
- › SafeSearch enforcement

Application Protection and Control

- › Enhanced application control with signatures and Layer 7 patterns for thousands of applications
- › Micro app discovery and control
- › Application control based on category, characteristics (e.g. bandwidth and productivity consuming), technology (e.g. P2P) and risk level
- › Per-user or network rule application control policy enforcement

Web & App Traffic Shaping

- › Enhanced traffic shaping (QoS) options by web category or application to limit or guarantee upload/download or total traffic priority and bitrate individually or shared

Email Protection Subscription

Email Protection and Control

- › E-mail scanning with SMTP, POP3, and IMAP support
- › Reputation service with spam outbreak monitoring based on patented Recurrent-Pattern-Detection technology
- › Block spam and malware during the SMTP transaction
- › Second independent malware detection engine (Avira) for dual-scanning
- › Live Protection real-time in-the-cloud lookups for the latest threat intelligence
- › Automatic signature and pattern updates
- › File-Type detection/blocking/scanning of attachments
- › Accept, reject or drop over-sized messages
- › Detects phishing URLs within e-mails
- › Use pre-defined content scanning rules or create your own custom rules based on a variety of criteria
- › TLS Encryption support for SMTP, POP and IMAP
- › Append signature automatically to all outbound messages
- › Email archiver

Email Quarantine Management

- › Spam quarantine digest and notifications options
- › Malware and spam quarantines with search and filter options by date, sender, recipient, subject, and reason with option to release and delete messages
- › Self-serve user portal for viewing and releasing quarantined messages

Email Encryption and DLP

- › Patent-pending SPX encryption for one-way message encryption
- › Recipient self-registration SPX password management
- › Add attachments to SPX secure replies
- › Completely transparent, no additional software or client required
- › DLP engine with automatic scanning of emails and attachments for sensitive data
- › Pre-packaged sensitive data type content control lists (CCLs) for PII, PCI, HIPAA, and more, maintained by SophosLabs

Web Server Protection Subscription

Web Application Firewall Protection

- › Reverse proxy
- › URL hardening engine with deep-linking and directory traversal prevention
- › Form hardening engine
- › SQL injection protection
- › Cross-site scripting protection
- › Dual-antivirus engines (Sophos & Avira)
- › HTTPS (SSL) encryption offloading
- › Cookie signing with digital signatures
- › Path-based routing
- › Outlook anywhere protocol support

XG Firewall Features

- Reverse authentication (offloading) for form-based and basic authentication for server access
- Virtual server and physical server abstraction
- Integrated load balancer spreads visitors across multiple servers
- Skip individual checks in a granular fashion as required
- Match requests from source networks or specified target URLs
- Support for logical and/or operators
- Assists compatibility with various configurations and non-standard deployments
- Options to change WAF performance parameters
- Scan size limit option
- Allow/Block IP ranges
- Wildcard support for server paths
- Automatically append a prefix/suffix for authentication

Logging and Reporting

NOTE: individual log, report and widget availability depends on enabled software subscriptions.

- Hundreds of on-box reports with custom report options: Dashboards (Traffic, Security, and User Threat Quotient), Applications (App Risk, Blocked Apps, Search Engines, Web Servers, FTP), Network & Threats (IPS, ATP, Wireless, Security Heartbeat), VPN, Email, Compliance (HIPAA, GLBA, SOX, FISMA, PCI, NERC CIP v3, CIPA)
- Current Activity Monitoring: system health, live users, IPsec connections, remote users, live connections, wireless clients, quarantine, and DoS attacks
- Report anonymization
- Report scheduling to multiple recipients by report group with flexible frequency options
- Export reports as HTML, PDF, Excel (XLS)
- Report bookmarks
- Full log viewer with retention customization by category

XG Firewall Feature by Subscription Summary

| Features (as listed above) | FullGuard License | | | | |
|-------------------------------------|-------------------|-------------------------|----------------|------------------|------------------|
| | | EnterpriseGuard License | | | |
| | Base Firewall | Network Protection | Web Protection | Email Protection | Web Server Prot. |
| General Management (incl. HA) | ● | | | | |
| Firewall, Networking & Routing | ● | | | | |
| Base Traffic Shaping & Quotas | ● | | | | |
| Secure Wireless | ● | | | | |
| Authentication | ● | | | | |
| Self-Serve User Portal | ● | | | | |
| Base VPN Options | ● | | | | |
| IPSec Client | Sold seperately | | | | |
| Intrusion Prevention (IPS) | | ● | | | |
| ATP & Security Heartbeat™ | | ● | | | |
| Remote Ethernet Device (RED) VPN | | ● | | | |
| Clientless VPN | | ● | | | |
| Web Protection and Control | | | ● | | |
| Application Protection and Control | | | ● | | |
| Web and App Traffic Shaping | | | ● | | |
| Email Protection and Control | | | | ● | |
| Email Quarantine Management | | | | ● | |
| Email Encryption and DLP | | | | ● | |
| Web Application Firewall Protection | | | | | ● |
| Logging and Reporting | ● | ● | ● | ● | ● |

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