



Security made simple.

CCNET Cybersecurity Capabilities and Features

- › Customizable dashboard

General Management

- › Role-based management Auditor, read-only and manager for all functions
- › No-charge, centralized management of multiple UTM's via Sophos UTM Manager (SUM)
- › Configurable update service
- › Reusable system object definitions for networks, services, hosts, time periods, users and groups, clients and servers
- › Point & Click IPS rule management
- › Self-service user portal for one-click VPN setup
- › Configuration change tracking
- › Manual or fully automated backup and restore options
- › Email or SNMP trap notification options
- › SNMP support
- › One-time password (OTP) / Two-factor authentication (2FA) supports OATH protocol for WebAdmin, User Portal, SSL VPN, IPSec VPN, HTML5 Portal and SSH Login*
- › One-click secure access for Sophos customer support**

Network Routing and Services

- › Routing: static, multicast (PIM-SM) and dynamic (BGP, OSPF)
- › NAT static, masquerade (dynamic)
- › Protocol independent multicast routing with IGMP snooping
- › Bridging with STP support and ARP broadcast forwarding
- › WAN link balancing: 32 Internet connections, auto-link health check, automatic failover, automatic and weighted balancing and granular multipath rules
- › Zero-config active/passive high-availability
- › Active/active clustering for up to 10 appliances
- › 802.3ad interface link aggregation
- › QoS with full control over bandwidth pools and download throttling using Stochastic Fairness Queuing and Random Early Detection on inbound traffic
- › Full configuration of DNS, DHCP and NTP
- › Server load balancing
- › IPv6 support
- › RED support
- › VLAN DHCP support and tagging**
- › Multiple bridge support**

Network Protection

- › Stateful deep packet inspection firewall
- › Intrusion protection: Deep packet inspection engine, 18,000+ patterns
- › Selective IPS patterns for maximum performance and protection
- › IPS pattern aging algorithm for optimal performance*
- › Flood protection: DoS, DDoS and portscan blocking
- › Country blocking by region or individual country (over 360 countries) with separate inbound/outbound settings and exceptions
- › Site-to-site VPN: SSL, IPSec, 256-bit AES/3DES, PFS, RSA, X.509 certificates, pre-shared key
- › Remote access: SSL, IPsec, iPhone/iPad/Cisco VPN client support
- › VoIP handling for SIP and H.323 connections
- › Connection tracking helpers: FTP, IRC, PPTP, TFTP
- › Identity-based rules and configuration with Authentication Agent for users

Advanced Threat Protection*

- › Detect and block network traffic attempting to contact command and control servers using DNS, AFC, HTTP Proxy and firewall
- › Identify infected hosts on the network and contain their network activity
- › Selective sandboxing of suspicious code to determine malicious intent

Authentication

- › Transparent, proxy authentication (NTLM/Kerberos) or client authentication
- › Authentication via: Active Directory, eDirectory, RADIUS, LDAP and TACACS+
- › Single sign-on: Active directory, eDirectory
- › SSL support
- › Tools: server settings check, username/password testing and authentication cache flush
- › Graphical browser for users and groups
- › Automatic user creation
- › Scheduled backend synchronization prefetch
- › Complex password enforcement

Web Protection

- › URL Filter database with 35 million+ sites in 96 categories and 65+ languages
- › Application Control: Accurate signatures and Layer 7 patterns for thousands of applications
- › Dynamic application control based on productivity or risk threshold
- › View traffic in real-time, choose to block or shape
- › Malware scanning: HTTP/S, FTP and web-based email via dual independent antivirus engines (Sophos & Avira) block all forms of viruses, web malware, trojans and spyware
- › Fully transparent HTTPS filtering of URLs*
- › Option for selective HTTPS Scanning of untrusted sites**
- › Advanced web malware protection with JavaScript emulation*
- › Live Protection real-time in-the-cloud lookups for the latest threat intelligence
- › Potentially unwanted application (PUA) download blocking*
- › Malicious URL reputation filtering backed by SophosLabs
- › Reputation threshold: set the reputation threshold a website requires to be accessible from internal network
- › Active content filter: File extension, MIME type, JavaScript, ActiveX, Java and Flash
- › True-File-Type detection/scan within archive files**
- › YouTube for Schools enforcement
- › SafeSearch enforcement
- › Google Apps enforcement*

Web Policy

- › Authentication: Active Directory, eDirectory, LDAP, RADIUS, TACACS+ and local database
- › Single sign-on: Active Directory, eDirectory, Apple Open Directory
- › Proxy Modes: Standard, (Fully) Transparent, Authenticated, Single sign-on and Transparent with AD SSO*
- › Transparent captive portal with authentication
- › Support for separate filtering proxies in different modes
- › Time, user and group-based access policies
- › Browsing quota time policies and quota reset option**
- › Allow temporary URL filter overrides with authentication
- › Client Authentication Agent for dedicated per-user tracking
- › Cloning of security profiles
- › Customizable user-messages for events in local languages
- › Custom HTTPS verification CA support
- › Setup wizard and context sensitive online help
- › Customizable block pages
- › Custom categorization to override categories or create custom categories*
- › Site tagging for creating custom site categories**
- › Authentication and filtering options by device type for iOS, Android, Mac, Windows and others*
- › Policy testing tool for URLs, times, users and other parameters*

Email Protection

- › Reputation service with spam outbreak monitoring based on patented Recurrent-Pattern-Detection technology
- › Advanced spam detection techniques: RBL, heuristics, SPF checking, BATV, URL scanning, grey listing, RDNS/HELO checks, expression filter and recipient verification
- › Block spam and malware during the SMTP transaction
- › Detects phishing URLs within e-mails
- › Global & per-user domain and address black/white lists
- › Recipient Verification against Active Directory account
- › E-mail scanning with SMTP and POP3 support
- › Dual antivirus engines (Sophos & Avira)
- › True-File-Type detection/scan within archive files**
- › Scan embedded mail formats: Block malicious and unwanted files with MIME type checking
- › Quarantine unscannable or over-sized messages
- › Filter mail for unlimited domains and mailboxes
- › Automatic signature and pattern updates
- › Sophos Live Anti-Virus real-time cloud lookups**

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**
- › Transparent en-/decryption and digital signing for SMTP e-mails
- › Completely transparent, no additional software or client required
- › Supports S/MIME, OpenPGP, and TLS standards
- › PGP key server support
- › Allows content/virus scanning even for encrypted e-mails
- › Central management of all keys and certificates - no key or certificate distribution 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*

Email Management

- › User-quarantine reports mailed out daily at customizable times
- › Log Management service support
- › Customizable User Portal for end-user mail management, in 15 languages
- › Anonymization of reporting data to enforce privacy policy
- › Over 50 Integrated reports
- › PDF and CSV exporting of reports
- › Customizable email footers and disclaimers
- › Setup wizard and context sensitive online help
- › Email header manipulation support**

End-User Portal

- ▶ SMTP quarantine: view and release messages held in quarantine
- ▶ Sender blacklist/whitelist
- ▶ Hotspot access information
- ▶ Download the Sophos Authentication Agent (SAA)
- ▶ Download remote access client software and configuration files
- ▶ HTML5 VPN portal for opening clientless VPN connections to predefined hosts using predefined services
- ▶ Download HTTPS Proxy CA certificates

VPN Options

- ▶ PPTP, L2TP, SSL, IPsec, HTML5-based and Cisco client-based remote user VPNs, as well as IPsec, SSL, Amazon VPC-based site-to-site tunnels and Sophos Remote Ethernet Device (RED) plug-and-play VPN

VPN IPsec Client

- ▶ 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
- ▶ IPsec Tunnel Binding

VPN SSL Client

- ▶ Proven SSL-(TLS)-based security
- ▶ Minimal system requirements
- ▶ Profile support for varying levels of access
- ▶ Supports MD5, SHA, DES, 3DES and AES
- ▶ Works through all firewalls, regardless of proxies and NAT
- ▶ Support for iOS and Android

Clientless VPN

- ▶ True clientless HTML5 VPN portal for accessing applications securely from a browser on any device

VPN One-Click

- ▶ Easy setup and installations of every client within minutes
- ▶ Download of client-software, individual configuration files, keys and certificates one click away from the Security Gateway end-user portal
- ▶ Automatic installation and configuration of the client
- ▶ No configuration required by end user

VPN RED

- ▶ Central Management of all RED appliances from Sophos UTM
- ▶ No configuration: Automatically connects through a cloud-based provisioning service
- ▶ Secure encrypted tunnel using digital X.509 certificates and AES256- encryption
- ▶ RED sites are fully protected by the Network, Web and Mail security subscriptions of the Central UTM.
- ▶ Virtual Ethernet for reliable transfer of 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* (RED 50, RED 10 revision 2, 3)
- ▶ VLAN port configuration options* (RED 50)

Secure Wi-Fi

- ▶ Simple plug-and-play deployment, automatically appearing in the UTM
- ▶ Central monitor and manage all access points (APs) and wireless clients through the built-in wireless controller
- ▶ Integrated security: All Wi-Fi traffic is automatically routed through the UTM
- ▶ Wireless 802.11 b/g/n at 2.4 GHz and 5GHz (AP 50)
- ▶ Power-over-Ethernet 802.3af (AP 30/50)
- ▶ Multiple SSID support: Up to 8
- ▶ Strong encryption supports state-of-the-art wireless authentication including WPA2-Enterprise and IEEE 802.1X (RADIUS authentication)
- ▶ Wireless guest Internet access with customizable splash pages on your captive portal
- ▶ Voucher-based guest access for daily or weekly access
- ▶ Time-based wireless network access
- ▶ Wireless repeating and bridging meshed network mode with AP 50
- ▶ Hotspot backend authentication support* (RADIUS, TACACS, LDAP, AD)
- ▶ Automatic channel selection background optimization**
- ▶ Multi-tenant hotspot administration**
- ▶ Support for HTTPS login support**

Web Application Firewall Protection

- › Reverse proxy
- › URL hardening engine
- › Form hardening engine
- › Deep-linking control
- › Directory traversal prevention
- › 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
- › Reverse authentication (offloading) for form-based and basic authentication for server access*

Web Application Firewall Management

- › Auto server discovery scans attached networks and identifies web servers
- › Integrated load balancer spreads visitors across multiple servers
- › Predefined firewall profiles for Microsoft Outlook Web Access (OWA)
- › Quick server switch allows easy maintenance
- › 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**
- › Upload custom WAF rules**
- › Scan size limit option**
- › Allow/Block IP ranges**
- › Wildcard support for server paths**
- › Automatically append a prefix/suffix for authentication**

UTM Endpoint Protection

- › Windows endpoint protection with Sophos Antivirus and device control
- › On-access, on-demand or scheduled scanning for malware, viruses, spyware and Trojans
- › PUA scanning
- › Live Protection Antivirus provides real-time, in-the-cloud lookups for the latest threat intelligence
- › HIPS with suspicious behavior detection
- › Web protection with malicious site protection
- › Download scanning

- › Device control including removable storage, optical media, modems, Bluetooth, wireless, infrared and more
- › Web in Endpoint enforcement of web policy and web malware scanning on the endpoint with full policy and reporting synchronization with the UTM

UTM Endpoint Management

- › Fully managed within the UTM
- › Easy deployment from the UTM using our installer
- › Monitor connected endpoints, threat status and device utilization with full log access
- › Alerts for infected endpoints*

SEC Endpoint Integration*

- › Integration with Sophos Enterprise Console Endpoint Management provides UTM web policy and reporting for Web in Endpoint

Logging and Reporting

- › Logging: Remote syslog, nightly rotation, email/ftp/SMB/SSH archiving and log management service
- › On-box reporting: Packet filter, intrusion protection, bandwidth and day/week/month/year scales
- › Identity-based reporting
- › PDF or CSV report exporting
- › Executive report scheduling and archiving
- › Reactive reporting engine crafts reports as you click on data
- › Save, instantly email or subscribe recipients to any reports
- › PDF and CSV exporting of reports
- › Nightly compression and rotation of logs
- › Log file archiving: On-box, FTP, SMB, SSH, Email and Syslog
- › Hundreds of on-box reports
- › Daily activity reporting
- › URL filter override report
- › Per-user tracking and auditing
- › Anonymization of reporting data to enforce privacy policy
- › Full transaction log of all activity in human-readable format
- › Web log searching parameters per user, URL or action*
- › Sophos iView dedicated reporting appliance**