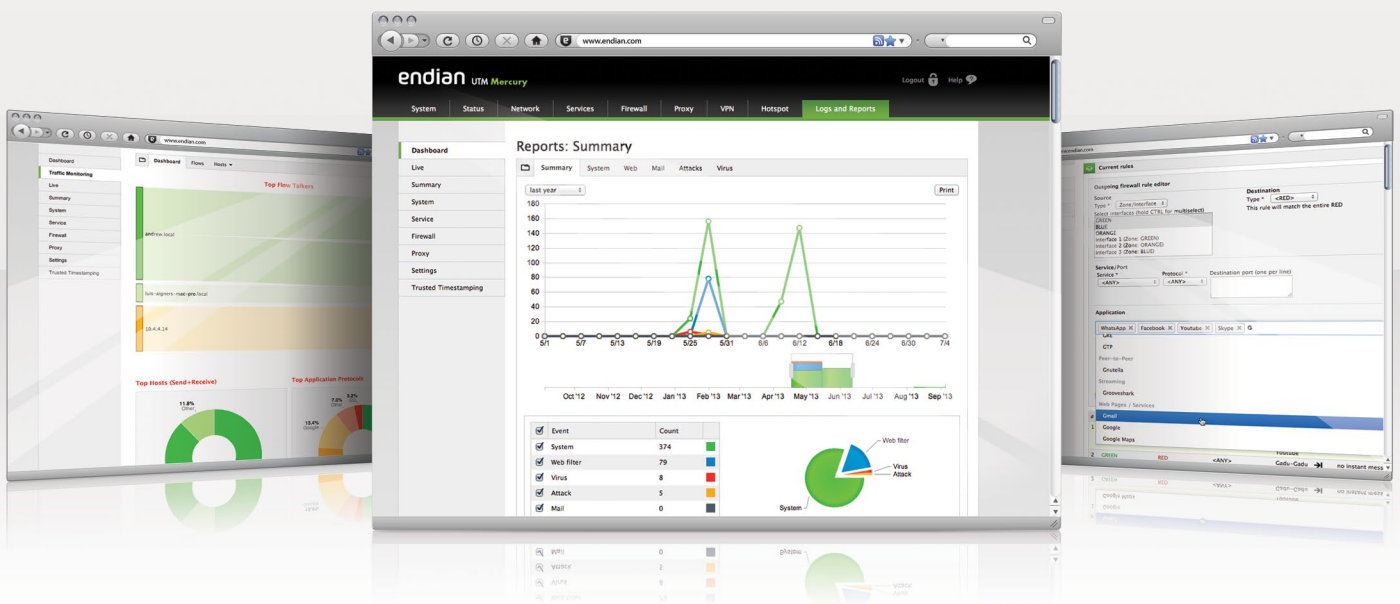


ENDIAN UTM 3.0



REALTIME UNIFIED THREAT MANAGEMENT



Next Generation VPN: The easiest, most secure VPN solution has been upgraded with increased throughput and granular access permission controls.



Application Control: Build smarter policies with application-layer awareness that let's you restrict popular Internet protocols like Facebook, Skype, Spotify and many more.



Live Network Monitoring & Reporting: All new reporting interface provides you with beautifully detailed and customizable network and functionality reports with drill-down capability.

Endian UTM 3.0 Realtime Unified Threat Management

With the release of Endian 3.0, the most powerful open-source UTM solution has taken a significant step forward by addressing three major areas: (1) next-generation VPN technology has all new features and performance improvements, (2) application control capability is now built into the firewall, and (3) real-time network visualization and reporting functionality.

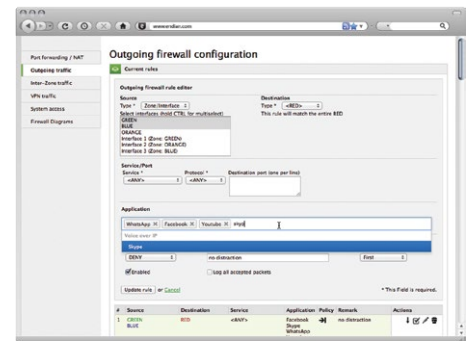
There are a ton of other new and exciting features packed in this release as well. Some of the highlights include all new next-generation application control capability, a revamped and seriously upgraded VPN module that now includes central user authentication (AD/LDAP), full HTTPS inspection and blocking capability, email quarantine web interface, hotspot improvements and much more.

Next Generation VPN

The new 3.0 release has made the simplest and most powerful VPN solution even better. Endian has added centralized VPN authentication, so now you can apply role-based permissions to users and/or groups of users, making VPN user management incredibly easy. In addition, you can now run multiple, separate VPN instances for greater scalability. The new VPN platform also added increased support for mobile platforms (iOS & Android) as well as significant improvements to VPN throughput.

Application Control

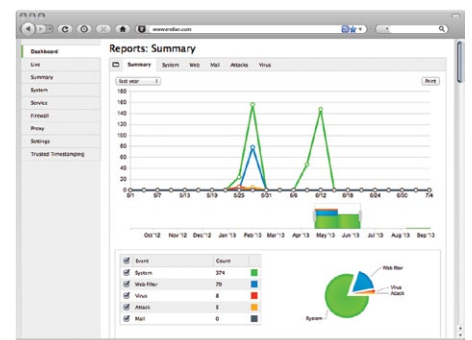
Today's business network is faced with a host of new security and application management challenges that accompany the growth in social networking and cloud sharing. Applications like Facebook, Twitter, Skype, Dropbox, and instant messaging all present potential risk of data loss and/or bandwidth saturation. Endian has added application awareness that can detect any application regardless of port to the filtering engine to make it extremely simple to monitor and control social networking and cloud-based applications.



Application Control

Live Network Monitoring & Reporting

Endian has added an all new monitoring and reporting interface to its UTM platform. Get live graphs and charts with the ability to drilldown on details for the most important data including web filtering, email filtering, security functionality and much more. Endian has also added a live traffic monitoring and analysis system powered by Ntop's next generation technology. All this functionality gives administrators the ability to identify and fix network issues before they happen.



Live Network Monitoring and Reporting

Endian UTM Security Gateways



The Endian UTM (Unified Threat Management) product family features easy-to-use „all in one“ security to deliver maximum protection against data theft, viruses, spyware, spam and other Internet threats.

Endian UTM Feature Details

Network Security

- Stateful Packet Firewall
- **NEW** Application Control (over 160 Protocols including Facebook, Twitter, Skype, WhatsApp and more)
- Demilitarized Zone (DMZ)
- Intrusion Detection and Prevention (Snort)
- Multiple Public IP Addresses
- Multiple WAN
- Quality of Service and Bandwidth Management
- SNMP Support
- VoIP/SIP Support
- SYN/ICMP Flood Protection
- VLAN Support (IEEE 802.1Q Trunking)
- DNS Proxy/Routing
- Anti-Spyware
- Phishing Protection

Web Security

- HTTP & FTP Proxies
- **NEW** HTTPS Filtering
- Transparent Proxy Support
- URL Blacklist
- Authentication: Local, RADIUS, LDAP, Active Directory
- NTLM Single Sign-On
- Group-Based and User-Based Web Content Filter
- Time-Based Access Control with Multiple Time Intervals
- **NEW** Panda Anti-Virus (optional)
- **NEW** Commtouch URL Filter (optional)

Mail Security

- SMTP & POP3 Proxies
- Anti-Spam with Bayes, Pattern and SPF
- Heuristics, Black- and Whitelists Support
- Anti-Virus (100.000+ patterns)
- Transparent Proxy Support
- **NEW** Mail Quarantine Management
- Spam Auto-Learning
- Transparent Mail Forwarding (BCC)
- Greylisting
- Commtouch Anti-Spam (optional)
- **NEW** Panda Anti-Virus (optional)

Virtual Private Networking

IPsec

- **NEW** Encryption: Null, 3DES, CAST-128, AES 128/192/256-bit,
 - Blowfish 128/192/256-bit, Twofish 128/192/256-bit,
 - Serpent 128/192/256-bit, Camellia 128/192/256-bit
- **NEW** Hash Algorithms: MD5, SHA1, SHA2 256/384/512-bit, AES-XCBC
- Diffie Hellman Modes: 1, 2, 5, 14, 15, 16, 17, 18, 22, 23, 24
- Authentication: Pre-Shared Key (PSK), RSA Keys
- X.509 Certificates
- IKEv1
- **NEW** IKEv2
- Dead Peer Detection (DPD)
- NAT Traversal
- Compression
- Perfect Forward Secrecy (PFS)
- VPN Site-to-Site
- VPN Client-to-Site (Roadwarrior)
- L2TP User Authentication
- **NEW** XAuth User Authentication

OpenVPN

- True SSL/TLS VPN
- Encryption: DES, 3DES, AES 128/192/256-bit, CAST5, Blowfish
- Authentication: Pre-Shared Key, X.509 Certificates
- Support for VPN over HTTPS Proxy (OpenVPN)
- PPTP Passthrough
- VPN Client-to-Site (Roadwarrior)
- VPN Client for Microsoft Windows, Mac OS X and Linux
- Possibility of Multiple Logins per User
- VPN Failover
- **NEW** Multiple Server Support Scalability
- **NEW** Support for Mobile Devices (Android, iOS)

User Management & Authentication

- **NEW** Unified User Management for OpenVPN, L2TP, XAuth
- **NEW** Group Management
- **NEW** Integrated Certificate Authority
- **NEW** External Certificate Authority Support
- **NEW** User Password and Certificate Management (Two-factor Authentication)
- **NEW** Multiple Authentication Servers (Local, LDAP, Active Directory)

WAN Failover

- Automatic WAN Uplink Failover
- Monitoring of WAN Uplinks
- Uplink Types: Ethernet (Static/DHCP), PPPoE, ADSL, ISDN, PPTP
- Support for UMTS/GPRS/3G USB Dongles

User Authentication

- Active Directory / NTLM
- LDAP
- RADIUS
- Local

BYOD/Hotspot

- Captive Portal
- Wired / Wireless Support
- Integrated RADIUS Service
- Connection Logging
- Per-User and Global Bandwidth Limiting
- MAC-Address Based User Accounts
- User Accounts Import/Export via CSV
- User Password Recovery
- Automatic Client Network Configuration (support for DHCP and Static IP)
- Generic JSON API for External Accounting and Third Party Integration
- Instant WLAN Ticket Shop (Endian SmartConnect)
- Single-click Ticket Generation (Quick Ticket)
- SMS/E-mail User Validation and Ticketing
- Pre-/Postpaid and Free Tickets
- Time-/Traffic-Based Tickets
- Configurable Ticket Validity
- Terms of Service Confirmation
- MAC Address Tracking for Free Hotspots
- **NEW** Cyclic/Recurring Tickets (Daily, Weekly, Monthly, Yearly)
- **NEW** Remember User after First Authentication (SmartLogin)
- **NEW** External Authentication Server (Local, LDAP, Active Directory, RADIUS)

Network Address

Translation

- Destination NAT
- Incoming Routed Traffic
- One-to-One NAT
- Source NAT (SNAT)
- IPsec NAT Traversal

Routing

- Static Routes
- Source-Based Routing
- Destination-Based Routing
- Policy-Based Routing (Based on Interface, MAC Address, Protocol or Port)

Bridging

- Firewall Stealth Mode
- OSI Layer 2 Firewall Functionality
- Spanning Tree
- Unlimited Interfaces per Bridge

High Availability

- Hot Standby (Active/Passive)
- Node Data/Configuration Synchronization

Extra Services

- Event Notification & Handling
- NTP (Network Time Protocol)
- DHCP Server
- SNMP Server
- Dynamic DNS

Logging and Reporting

- **NEW** Reporting Dashboard
- **NEW** Detailed System, Web, E-mail, Attack and Virus Reports
- **NEW** Live Network Traffic Monitoring (powered by ntopng)
- Live Log Viewer
- Detailed User-Based Web Access Report (not in 4i, Mini)
- Network/System/Performance Statistics
- Rule-Based Logging Settings (Firewall Rules)
- Syslog: Local or Remote
- OpenTSA Trusted Timestamping

Management / GUI

- Easy Web-Based Administration (SSL)
- **NEW** Multi-Language Web-Interface (English, Italian, German, Japanese, Spanish, Portuguese, Chinese, Russian, Turkish)
- Secure Remote SSH/SCP Access
- Serial Console
- Centralized Management through Endian Network (SSL)

Updates and Backup

- Centralized Updates through Endian Network
- Scheduled Automatic Backups
- Encrypted Backups via E-mail
- Instant Recovery / Backup to USB Stick (Endian Recovery Key)

ENDIAN UTM

3.0



Highlights

- **Application Control:** the outgoing firewall recognizes and blocks applications (powered by nDPI)
- **Anti-Virus:** Panda Anti-Virus available for HTTP, SMTP, FTP and POP3 proxies
- **HTTP Proxy:** Commtouch's excellent URL filtering service has been implemented with over 100 million pages recognized and categorized
- **HTTPS filtering:** Now you can fully inspect and block all web traffic (HTTP/HTTPS) using seamless SSL inspection technology
- **SMTP Proxy:** new, completely manageable E-mail quarantine
- **Virtual Private Network:** the user interface has been totally rewritten as well as the OpenVPN server backend increasing the throughput. Improved and extended mobile support (Android and iOS). Multiple authentication servers added including Active Directory, Novell, eDirectory as well as any other LDAP implementation. Granular VPN access management for single users and groups
- **Hotspot:** Cyclic Tickets and SmartLogin (remembering users), configurable authentication server (external: LDAP, Active Directory, Novell eDirectory, RADIUS.)
- **Reporting and monitoring:** brand new reporting dashboard. Detailed and customized reports, live network monitoring powered by ntopng
- **GUI:** redesigned graphic interface for a better user experience

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