

gateProtect V8 Feature list

Operating System

- _ debian linux
- _ hardened 2.6er kernel
 - extended kernel auditing
 - protection against exploit techniques
 - hardened chroot-environment
 - non guessable TCP-sequence-numbers
 - true random source-ports (TCP/UDP)
- _ IP spoofing protection
- _ TCP/IP syn-cookies
- _ dynamic IP change
- _ disabled TCP timestamps
- _ disabled ICMP broadcast
- _ hardware raid support
- _ journaling filesystem

LAN- / WAN-Support

- _ Ethernet 10/100/1.000/10.000 Mbit/s
- _ IEEE 802.3 Frames
- _ Twisted-Pair / Fibre-Optics
- _ MTU changeable (Ethernet/DSL)
- _ unlimited virtual IP-addresses
- _ PPPoE / PPTPoE
- _ ISDN
- _ PPP-PAP authentication
- _ PPP-CHAP authentication
- _ inactivity timeout
- _ forced disconnect time
- _ cablemodem
- _ xDSL
- _ concurrent connections
- _ backup-connections
- _ connection availability check
- _ loadbalancing
- _ time controlled internet connections
- _ manual and automatic DNS assignment
- _ multiple dyn-DNS support
- _ extended routing (iproute2)
- _ ARP

UTM-Management

- _ eGUI® technology
- _ languages: english, german, french, italian
- _ role-based firewall administration (admin-client)
- _ role-based statistic-client
- _ SSH-CLI
- _ desktop configuration saved / restored separately from backup
- _ CLI on serial line
- _ object oriented firewall configuration

Command Center

- _ eGUI® technology
- _ monitor multiple firewalls
- _ zoomable world map
- _ VPN connections centrally creatable
- _ single- and group-backup
- _ single- and group-update
- _ create and apply templates on multiple firewalls
- _ certificate based and encrypted connections to the firewalls
- _ display settings of all firewalls
- _ VPN-monitoring
- _ single- and group licensing

Firewall

- _ statefull inspection
- _ connection-tracking TCP/UDP/ICMP
- _ SPI and proxy combinable
- _ time controlled firewall rules
- _ IP-ranges
- _ IP-groups
- _ layer7-filter
- _ port-ranges
- _ self- and predefined ports
- _ supported protocols: TCP, UDP, ICMP, GRE, ESP, AH

User Authentication

- _ Active Directory supported
- _ Active Directory groups integration
- _ OpenLDAP supported
- _ local userdatabase
- _ web-interface authentication (port changeable)
- _ Windows-client (gp-UA-client) authentication
- _ authentication on domain login
- _ single sign on with kerberos
- _ single- and multi login
- _ login and logoff auditing
- _ user- and group statistics

VLAN

- _ max. 4094 VLAN per interface possible
- _ 802.1q ethernet header tagging
- _ OSI-layer 2
- _ combinable with bridging

gateProtect V8 Feature list

Bridge mode

- _ OSI-layer 2 firewall-function
- _ spanning tree (bride-ID, port-cost)
- _ unlimited bridges
- _ unlimited interfaces per bridge
- _ combinable with VPN-SSL

DMZ

- _ portforwarding
- _ PAT
- _ dedicated DMZ-links
- _ DMZ-wizard
- _ proxy supported (SMTP)

DHCP

- _ DHCP-relay
- _ DHCP-client
- _ DHCP-server (dynamic and fixed IP)

Traffic Shaping

- _ up- and download shapeable
- _ multiple internet connection separately shapeable
- _ all services separately shapeable
- _ maximum and guaranteed bandwidth adjustable
- _ QoS with TOS-flags supported
- _ QoS inside VPN connection supported

High Availability

- _ active-passive HA
- _ synchronisation on single / multiple dedicated links
- _ manually switch roles

IDS/IPS

- _ Snort scan-engine
- _ 4023+ IDS-pattern
- _ security-level adjustable
- _ rule groups selectable
- _ exceptions definable
- _ email on IDS events
- _ DoS, DDoS, portscan protection
- _ invalid network packet protection

Backup

- _ remote backup creation & restore
- _ small backup files (kb)
- _ restore backup on installation
- _ auto-install-USB-stick with backup integrated

Monitoring

- _ system-Info
- _ CPU- / memory usage
- _ long-term-statistic
- _ HDD-status (partitions, usage, RAID)
- _ network status (interfaces, routing, traffic, errors)
- _ process-monitoring
- _ VPN-monitoring
- _ user-authentication-monitoring

Logging, Reporting

- _ email notification
- _ logging to multiple syslog-servers
- _ categorized messages
- _ report in admin-client (with filter)
- _ export report to CSV-files

SNMP

- _ SNMPv2c
- _ SNMP-traps
- _ auditing of:
 - CPU / memory
 - HDD / RAID
 - ethernet-interfaces
 - internet-connections
 - VPN-tunnel
 - users
 - statistical data
 - updates
 - DHCP
 - HA

Statistics

- _ IP and IP-group statistic
- _ separate services
- _ single user / groups
- _ TOP-lists (surfcontrol)
- _ IDS-statistics
- _ traffic-statistics
- _ antivirus- / antispam-statistics
- _ defence statistics
- _ export statistic to CSV-files

gateProtect V8 Feature list

Proxies

- _ HTTP (transparent or intransparent)
- _ support for Radius-server, AD-server, local user-database
- _ HTTPS
- _ FTP
- _ POP3
- _ SMTP
- _ SIP
- _ integrated URL-/ content-filter
- _ integrated antiviren-filter
- _ integrated spam-filter
- _ time-controlled

Antivirus

- _ Kaspersky-scan-engine
- _ HTTP / FTP
- _ HTTPS
- _ POP3 / SMTP
- _ scans compressed data and archives
- _ scans ISO 9660-files
- _ exceptions definable
- _ manual and automatic updates

Web filter

- _ URL-filter
- _ content-filter IBM-Proventia (cobion) technology
- _ block rules up to user-level
- _ black-/ white-lists
- _ im- / export of URL-lists
- _ file-extension blocking
- _ category-based website-blocking
- _ self definable categories
- _ scan-technology with online-database
- _ save the online-database on local HDD
- _ transparent HTTP-proxy support
- _ intransparent HTTP-proxy support

Antispam

- _ commtouch scan-technology (online-scanner)
- _ scan-level adjustable
- _ real-time-detection-center
- _ black- / white-email-sender-lists
- _ mail-filter
- _ black- / white-email-recipients-lists
- _ automatically reject emails
- _ automatically delete emails
- _ AD-email-addresses import

VPN

- _ VPN-wizard
- _ certificate-wizard
- _ IPSec
 - Site-to-site
 - Client-to-Site (Road warrior)
 - Tunnel-Mode
 - IKEv1
 - PSK
 - RSA
 - X.509-certificates
 - 3DES
 - AES (128, 192, 256)
 - DPD (Dead Peer Detection)
 - NAT-T
 - compression
 - PFS (Perfect Forward Secrecy)
 - Hash (MD5, SHA1)
 - Diffi Hellman group (2, 5, 14, 15, 16)
 - export to One-Click-Connection
- _ SSL
 - Site-to-site
 - Client-to-Site (Road warrior)
 - Routing-Mode-VPN
 - Bridge-Mode-VPN
 - X.509-certificates
 - TCP/UDP port changeable
 - compression
 - specify WINS- and DNS-servers
 - 3DES
 - AES (128, 192, 256)
 - CAST
 - Blowfish
 - export to One-Click-Connection
- _ PPTP
 - Windows-PPTP compatible
 - specify WINS- and DNS-servers
 - MSCHAPv2

VPN client

- _ IPSec-client
- _ SSL-client (OpenVPN)
- _ NAT-T
- _ languages: english, german, french, italian
- _ AES (128, 192, 256)
- _ 3DES
- _ CAST
- _ Blowfish
- _ X.509 certificates



© gateProtect AG Germany 2008. We do not guarantee that the information in this brochure is correct and up-to-date. The information and data in this brochure can change without prior notice. All the products, brands and names are the property of the manufacturer in question.