GAJSHIELD™

Progressive Security

GAJSHIELD

Next Generation Threat Management

GajShield Features and Features and Benefits

Features:

- ICSA Certified Firewall
- Data Leak Prevention
- Enterprise Cloud Security
- VPN
- Gateway Anti-Virus
- Gateway Anti-Spam
- Intrusion Prevention System
- URL Filtering
- Bandwidth Management
- Multiple ISP
- Load Balancing
- High Availability
- Auto Failover
- Monitoring and Reporting
- Automatic Updates
- Remote Syslog
- SNMP Support

Sixth Sense
UTM

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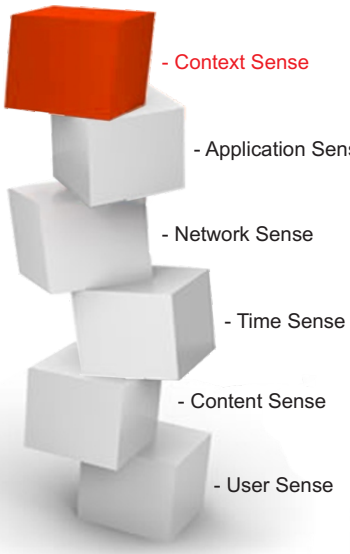
Features	Description	Benefits
ICSA Certified Firewall	Industry standard Deep Stateful inspection Firewall.	Protects against malicious attacks originating from internal or external sources.
Data Leak Prevention	DLP enables to benefits from the latest Web 2.0 technologies and applications in a secure corporate environment. Organization can secure & control Web 2.0 application for better productivity.	GajShield DLP enable productivity, liability and bandwidth control combine with superior virus, spyware, malware filtering and compliance for all web productivity.
Enterprise Cloud Security	Enterprise Cloud has became an imporant tool for organizations in controlling the cost and complexity of business critical applications and data for small branches and roaming users.	GajShield provides the most comprehensive set of services in the cloud to mitigate business risk and simplify IT administration. GajShield support implementing of corporate policies even for roaming users and small branches from head office.
Gateway Anti-Virus	Detects and stops viruses which enters your network via internet browsing (HTTP), email (SMTP, POP) and internet downloads (FTP). Automatic updates of signature files from GajShield NOC.	Provides advanced protection by detecting viruses before they enter your network.
Intrusion Prevention System (IPS)	Provides intrusions detection and prevention against thousands of attacks based on signature files and user configuration thresholds.	Protects your network against attacks which are not detected by Anti- Virus programs.
VPN (Virtual Private Network)	Provides PPTP, L2TP and IPSec technologies to create Site to Site or Client to Site VPN Tunnels.	Allows you to securely connect your branches or remote users to head office by using internet.
URL Filtering	Can block access to websites based on user/time or file downloads from internet based on file types (.mp3, .mpeg, .exe etc.). Stops malicious codes like spywares and adwares from entering to your network.	Increases productivity of employees and saves precious bandwidth cost Protects your network from Spywares, Malwares and various other malicious codes which enter your networks via internet downloads.

GAJSHIELD's Six Senses



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GajShield Features and Benefits

Features	Description	Benefits
Bandwidth Management (Traffic Shaping / QOS)	Allocates bandwidth based on users, application and websites. Provides guaranteed bandwidth to critical applications.	Ensures existing bandwidth is being utilized effectively.
Multiple ISP Support	More than one isp can be connected on the same soft appliance by adding additional lan cards.	Reduces the cost of internet service by efficiently utilizing all the available ISPs.
Auto Failover	Provides redundancy, when one ISP fails all the traffic is routed through second ISP.	Minimize internet connection interruptions thus giving you true auto failover. Provides absolute zero downtime.
Load Balancing	Provides load balancing of applications on multiple ISPs. Increase reliability of applications in a high availability mode.	100% application availability. Use all the bandwidth you are paying for all the time and not just when you need backup.
High Availability	Provides redundancy between two GajShield Appliances. In this scenario the backup appliance monitors the primary appliance and takes over the operations if the primary appliances fails.	High Availability assures highly reliable and secure connection to internet. Also eliminates network downtime.
Authentication	Provides multiple choice of strong authentication like Radius, Tacas+, LDAP, RSA SecureID token etc, to validate a particular user before he enters the corporate network.	Provides advanced protection, by stopping users to use weak passwords. Disallows Password forgery, by validating users before they enter your network.
System Management	Provides wide range of tools and diagnostics to track and analyze traffic and network activity. Provides extensive logging and reporting based on users, applications and IP address.	Logging and Reporting helps in analyzing the usage patterns of bandwidth and internet Browsing.

Quick Facts

Year Founded
2002

First Software Firewall Release
March 2002

First Hardware UTM Release
June 2005

Industry Accolades
ICSA Lab Certified
ISO 9001:2008 Certified company
Best integrated DLP appliance
Top SME, SMB, Mid-market solution
Best Gateway Anti-spam solution
Best Gateway Anti-virus solution
Enterprise Cloud security solution

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GajShield offers an unique approach DATA LEAK PREVENTION

Visibility

Giving visibility on the Applications & users, not just the ports or protocols or IP address.

Giving Visibility of information going out through Corporate mails, Web mails & Web Uploads.

Giving visiblity of information Going through Orkut scraps, Facebook scraps & HTTPS traffic.

Giving visiblity of information flowing through Web chats & Instant Messengers.

Proactive

Monitor

Monitor the content sent through applications used including HTTP, SMTP, SSL, Instant Messaging.

Monitor unwanted applications like P2P, Open proxies, Malware infected sites – to reduce the chance of information leak.

Monitor attachment going out of your organisation through webmails, corporate mails, web-uploads.

Monitor utilization of internet usage by Users in Organizations.

Preventive

Detection

Identifies Who is accessing, Which application and What content is being sent out.

Know what content is being Sent through Instant Messengers and Web chats.

Know who is sending information using yahoo, msn, webmail.

Detective

Precaution

Define policies based on users rather than IP address.

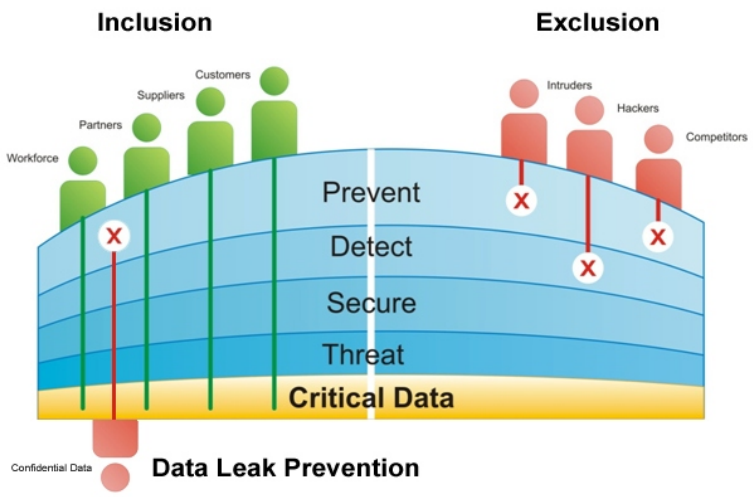
Add rules for Popular mail sites to match mails on Subject, From, To, CC, BCC, Msg Body, Attachment Size, Attachment Type with a wide range of Matching option.

Protective

Data leak prevention (DLP) technology has captured the attention of many IT organizations, with a promise to help organizations manage their confidential data. Project scope, for these technology providers, however, is a problem. Questions of access control, reporting, data classification, data at-rest vs. data in-transit, data ownership, desktop agents, server agents, and encryption have slowed DLP projects to a crawl in many organizations.

GajShield enables enterprises to benefit from the latest Web 2.0 technologies and applications in a secure corporate environment. Employees can use Web 2.0 without compromising corporate security or productivity. Organizations can secure and control the way their employees use Web 2.0 applications such as Facebook, MySpace or others, without the need for IT to completely block them. Collaborative applications such as IM, Skype, and P2P can also be controlled for better productive use.

Increase requirement for Network Security



Performance Management

- Visibility into network, application, user usage
- Bandwidth Quota management per user, per user group, per website
- Adaptive ISP Failover Load Balancing
- Stop unwanted website - Increase productivity

Threat Management

- Effective Perimeter Security
- Real-time Virus and Spam protection
- Prevent and Detect blended attacks
- Secure Remote Access

GajShield DLP UTM Appliacne GS 15d

GajShield DLP UTM Appliance GS 25d

GajShield DLP UTM Appliance GS 45d

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Specification

	GS 15d	GS 25d	GS 45d
Firewall			
- Concurrent Sessions	190000	240000	310000
- New Sessions/Second	5100	6500	7200
- Firewall Throughput	230 Mbps	310 Mbps	450 Mbps
- VPN Throughput	100 Mbps	150 Mbps	190 Mbps
- UTM Throughput	170 Mbps	200 Mbps	210 Mbps
- Antivirus Throughput	140 Mbps	180 Mbps	225 Mbps
- IPS Throughput	160 Mbps	195 Mbps	235 Mbps
- VPN Tunnels	25	35	45
- Configurable WAN / DMZ / LAN ports	Yes	Yes	Yes
- 10/100 Interfaces	4	4	4
- 10/100/1000 Interface	-	-	-

Networking
- Transparent Mode, Route Mode, Layer3 Bridge mode
- Static IP Address, PPPoE, DHCP support
- Policy based Multiple Link Auto Failover
- Policy based Load balancing
- Policy based routing based on Application and User
- DDNS/PPPoE Client
- Policy based NAT, Port Address Translation
- HTTP Proxy Mode, Parent proxy support
- IPv6 Ready
- Dynamic Routing: RIP v1& v2, OSPF
- Multicast Forwarding

Stateful Inspection Firewall - ICSA Certified
- UserSense UTM - Policy combination of User, Source, IP
- address and Service
- Policy based control for Firewall, IPS, URL Filtering,
- Anti virus, Anti spam, DLP and Bandwidth Management
- Access Scheduling
- Policy based Source & Destination NAT
- H.323 NAT Traversal, 802.1q VLAN Support
- DoS, DDoS, Syn Flood Attack prevention

DATA Leak Prevention
- Identifies Who is accessing, Which application, What content is sent out
- know what information has been sent in attachments on Webmail, Blogs, P2P, web uploads
- User based Policy control to prevent Data Leak
- Control over HTTP, HTTPS, SMTP, Instant Messaging
- Monitor & Block unwanted applications like P2P, Open proxies
- Real-Time Alerts, Monitoring, Reporting
- Incoming & Outgoing Mail archiving
- Block emails on sender, receipent, subject & content

Bandwidth Management
- Application and User based Bandwidth allocation
- Prioritize, shape or Limit bandwidth
- Priority based bandwidth allocation
- Multi WAN bandwidth reporting

High Availability
- Active-Passive with state synchronization
- Stateful Failover
- E-mail Alert on Appliance Status change

IM Security
- User wise allow/block IM
- Live Chat Monitoring
- User wise allow/block file transfer
- User based IM Archiving

System Management
- Web UI (HTTPS)
- Command line interface (Console, SSH)

Authentication
- Local database
- Windows Domain Control & Active Directory Integration
- External LDAP/RADIUS/TACAS+ database Integration
- RSA, VASCO secure tokens

Intrusion Prevention System
- Signatures: Default (6000+), Custom signatures
- Policy Based IPS, Anomaly Detection
- Automatic real-time updates & e-mail notification
- P2P applications signatures

VPN Client
- IPSec compliant
- Inter-operability with major IPSec VPN Gateways
- Supported platforms:
  Windows 98, Me, NT4, 2000, XP, Vista, Windows 7

Gateway Anti-Virus
- ZERO hour Virus protection
- Inline HTTP, FTP, SMTP, POP3, IMAP scan
- Virus, Worm, Trojan Detection & Removal
- Spyware, Malware, Phishing protection
- Automatic Real Time virus signature databatse update
- Individual user scanning
- Scan by file size

Gateway Anti-Spam
- Multiple spam classification
- Image-based spam Filtering
- Recurrent Pattern Detection
- Independent of Content, Format, Language
- Real-time Blacklist (RBL), MIME header check
- Filter based on message header, size, sender, recipient
- Subject line tagging
- Zero hour Virus Outbreak
- Quarantine folder for Spam

URL Filtering
- Inbuilt Web Category Database
- Categories: Default(85+)
- URL, keyword, File type block
- HTTP , HTTPS Upload block
- Mime type blocking
- Protocols Supported – HTTP, HTTPS
- Block Malware, Phishing, Pharming URLs
- Block Java Applets, Cookies, Active X
- URL Exempt/White List

Virtual Private Network – VPN
- IPSec, L2TP, PPTP
- Encryption - 3DES, DES, AES
- Hash Algorithms - MD5, SHA-1, SHA-2
- Authentication - Preshared key, Digital certificates, Xauth
- IPSec NAT Traversal
- Dead peer detection and PFS support
- Diffie Hellman Groups - 1,2,5,14,15,16
- External Certificate Authority support
- Export Road Warrior connection configuration
- Domain name support for tunnel end points
- Hardware Token : RSA, Vasco
- VPN connection failover

Administration
- Web-based configuration wizard
- Role-based administration
- Multiple administrators and user levels
- Upgrades & changes via Web UI
- On Appliance Analytics
- Graphical real- time and historical monitoring
- Email notification of reports, viruses and attacks
- Syslog support

Complete Visiblity & Reporting
- Complete visibility of evasive applications like P2P and Skype application
- Identify the most bandwidth consuming users
- Identify application mis-use and bandwidth abuse
- Identify work or non-work related browsing
- Application Traffic , Total Traffic, Application set and application detail
- Trend Analysis of applications, users and bandwidth
- Current, Daily, Monthly, Year reports
- Intrusion events reports
- Policy violations reports
- Search Engine Keywords reporting
- Data transfer reporting (By Host, Group & IP Address)
- Virus reporting by User and IP Address

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