GAJSHIELD

GajShield GS15nu is a context aware Data Security Firewall sitting right at the gateway, helping you to secure your enterprise beyond just the network.

GS15nu
DATA SECURITY FIREWALL

DATA SECURITY FIREWALL APPROACH

Application Identification Engine

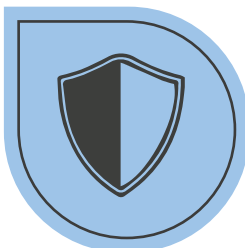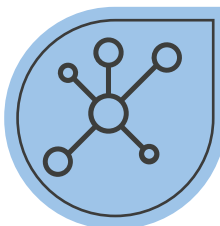The Application Identification Engine identifies the application in use

Advanced Contextual data Classification

It Breaks Down the packet into multiple data points using Advanced Contextual Data Classification Engine

Visibility and Data Aware Policy

It checks and applies granular data security policies on the packet

Identify Policy Violation and Protection

Its further takes appropriate action on the packet to prevent data exploitation

DATA SECURITY FIREWALL SPECIFICATION

GS15nu FEATURES	SPECIFICATIONS
Ethernet Interfaces	4 Ports of 1Gbps Copper
Concurrent Sessions	2100000
New Sessions Per Second	19000
Firewall Throughput	2.1 Gbps
VPN Throughput	275 Mbps
NGFW Throughput	250 Mbps
Antivirus Throughput	380 Mbps
IPS Throughput	520 Mbps
Firewall IMIX Throughput	1.2 Gbps
VPN Tunnels	550
Configurable WAN/LAN/DMZ ports	Yes
ICSA Labs Certified	Yes
High Availability (HA)	Active-Active, Active-Passive

DATA SECURITY FIREWALL

The Data Security Firewall is a leap ahead of the Last Generation firewall with its Data First Approach for security. It understands data, provides deeper visibility on data transactions, and allows control over threat surface. It takes appropriate security measures to prevent data exploitation. The Data security firewall is self-learning, smart security solution that learns various data patterns and user behaviour to identify anomalies and threats, both intentional and unintentional.

The Data Security Firewall is a powerful and robust platform with various security solutions to help secure data and organization's network. The Data Security Firewall is powered by GajOS Bulwark and backed by Contextual Intelligence Engine for a deeper data level visibility.

NETWORKING

- Transparent Mode, Route Mode, Layer3 Bridge mode
- DHCP server support on multiple interfaces
- 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
- NTP,SNMP,SNMP v2, SNMP v3
- 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 and Service
- Policy based single window control for Firewall, DLP, BYOD, URL Filtering& Application Control.
- Anti-virus, Anti-spam, DLP and Bandwidth Management
- Access Scheduling
- Policy based Source & Destination NAT(DNAT,SNAT & PNAT),loop-back NAT & Dynamic NAT.
- Policy based Source & Destination NAT
- H.323 NAT Traversal, 802.1q VLAN Support
- DoS, DDoS, Syn Flood Attack prevention
- Policy creation based on BYOD
- Security Intelligence IP, URL, Domain. Passively Detect End Point, IOC Intelligence

VIRTUAL PRIVATE NETWORK – VPN

- IPsec, SSL, L2TP, PPTP
- Encryption - 3DES, DES, AES
- Hash Algorithms - MD5, SHA-1, SHA-2
- Authentication – Pre-shared key, Digital certificates, Xauth
- IPsec NAT Traversal
- Site to Site VPN Supported – 550
- Client to Site VPN Supported – 550
- SSL VPN Peers Supported – 550
- 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

AUTHENTICATION

- Support for multiple authentication schemes simultaneously
- Local database, Windows Domain Control & Active Directory Integration
- External LDAP/RADIUS/TACAS+ database Integration
- RSA, VASCO secure tokens

GATEWAY ANTI-VIRUS

- Zero-hour Virus protection
- Inline HTTP, HTTPS, FTP, SMTPS-SSL, SMTP, POP3, IMAP scan
- Virus, Worm, Trojan Detection & Removal
- Spyware, Malware, Phishing protection
- Automatic Real Time virus signature database update
- Scan by file size

HIGH AVAILABILITY

- Active/Active & Active/Passive with state synchronization
- Stateful Failover
- E-mail Alert on Appliance Status change

ADMINISTRATION

- Two-factor Authentication support
- Web-based configuration wizard
- Role-based administration
- Upgrades & changes via Web UI
- On Appliance Analytics
- Graphical real- time and historical monitoring
- Email notification of reports, viruses and attacks
- Syslog support
- Web GUI (HTTPS)
- Command Line Interface (Console, SSH)

APPLICATION FILTERING

- Control and Visibility of Layer 7 Applications
- Protects your Corporate users as well as BYOD devices
- Inbuilt Application Categories
- 5000+ Applications Signatures
- Schedule-based access control
- QoS Control over Layer 7 Applications

URL FILTERING

- Inbuilt Web Category Database
- Millions of sites arranged in 85+ categories
- Categories: Default (85+)
- URL, keyword, File type block
- Mime type blocking
- Protocols Supported – HTTP, HTTPS
- Block Malware, Phishing, Pharming URLs
- Block Java Applets, Cookies, Active X
- URL Exempt/White List
- Schedule-based access control

BANDWIDTH MANAGEMENT

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

INTRUSION PREVENTION SYSTEM

- Signatures: Default (25000+), Custom signatures
- Policy Based IPS, Anomaly Detection
- Automatic real-time updates & e-mail notification
- P2P applications signatures

Hardware Specifications

CPU Processor	Intel multicore
Power Option	Input Voltage- 100 -240V AC, Output Voltage 12V DC
Noise level	Normal Frequency: 50-60Hz, Frequency Variation: 47Hz to 63 Hz
Interface-External	· Button: Power & Reset · LED: Power/HDD/Ethernet · 2 x USB 2.0 port · 1 System console port · 4 x Gbe copper ports
Dimensions	· 165mm x 105.5mm x 43 mm
Environment	· Operating temperature: 0°C - 40°C · Storage temperature: -10°C - 70°C · Operating humidity: 5% - 95%
Form Factor (RU)	Desktop (1U Rack Mountable)

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