

GajShield Case Study - A.C. Choksi

"How a leading Stock Broking company implemented GajShield's Integrated Security Appliance to protect their Network"

• Organization

A.C. Choksi



Mr. Ashwin Choksi
(Director)

"We have only one person managing and supporting the GajShield UTM appliance that too not full-time, and that says a lot about the ease of management," said A.C. Choksi. Owing to the simplicity of the Web GUI, we'll be able to react in a much more flexible and faster manner.

• Customer Profile

A.C. Choksi is a Leading Financial Services & Brokerage Firm with acknowledged industry leadership in execution and clearing services on exchange traded derivatives & cash market products. It's integrated and innovative use of technology provides clients with the ability to trade offline & online, cutting across all the geographic barriers. A.C. Chokxia has Memberships of all the Principal Exchanges like NSE, BSE, Futures & Option Segment of NSE & BSE, PMS, NCDEX, MCX, OTCEI, Depository Participant with NSDL & CDSL.

• The Requirements

A.C. Choksi was growing its business at a fast pace and a vital necessity for such a business was the ability to have open communications and collaborations among company stakeholders, including customers, employees, suppliers, partners, contractors, and telecommuters. With the exposure of the network to internet security became a major parameter for Mr. Ashwin Choksi – Director A.C Choksi. According to Mr Ashwin – " From a security standpoint we were looking for products which could allow us to fulfill the following executive goals :

- Implementing a solution that ensure openly robust, yet secure network infrastructure to protect information assets and to ensure business continuity.
- Keeping pace with the changing requirements of e-business (e.g., high network availability, data integrity, and privacy) and the corresponding security threats.
- Meeting logging, reporting, auditing, and compliance requirements.
- Facing these challenges with limited resources at lower cost.
- Selecting a solution that maximizes employee productivity, including that of the IT department (e.g. ease of security solution administration and management)

A.C. Choksi evaluated various Security solutions like Watchguard, Sonicwall, Fortigate and GajShield was selected based on Price to Feature comparison also because Multicast Forwarding a key feaure required by them which was available only with GajShield in all their product line and some models of Sonicwall.

• The Solution

A.C. Choksi implemented GajShield Integrated Security Appliance – GS 5100 – 8 port appliance at the Head office's Internet Gateway to ward of hackers and protects their network from viruses, spywares etc.

Firewall policies were defined to allow access for specific applications from the corporate LAN network to the internet and vice versa. Intrusion Prevention System was deployed to deeply inspect the packets for identifying malicious packets and intrusions. GajShield Firewall protect against various kind of DoS, DDOS, Syn flood attacks. DOS, DDOS attacks are capable of disabling a single computer or entire networks. DoS attacks are explicit hacker attempts with the sole intention of keeping legitimate users of a network from using that service and/or to disrupt normal business operations.

There were branch offices who were connected to the Head office through VSAT, Leased Line, ISDN dial up and as these users also connected to the internet there were possibility of intrusion attacks originating from these systems. The users were terminated to the DMZ of the Firewall and access was given only to the trading servers and on specific ports.

GAJSHIELD

Progressive Security

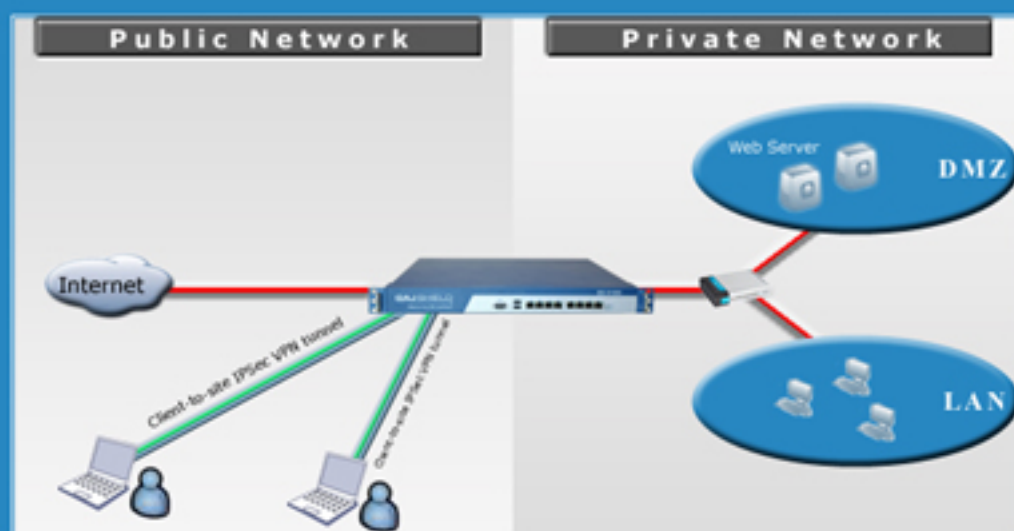
"GajShield gives us a comfort level of knowing we're not going to have hackers, spams, spyware or viruses getting in and helped us develop policies that balance risk with appropriate application usage," said Mr. Ashwin Chokshi. GajShield was the only product that met our long list of requirements and it has exceeded our expectations of features list and support.

" GajShield has given us the ability to see what is happening in our network, what applications are being used, which user is using it and how much bandwidth is being consumed. It also provides us the ability to control harmful applications, users and limit bandwidth usage. "

To protect the ODIN server even from the LAN users it was moved to another DMZ and access policies were defined to provide access only to specific application ports.

Multicast forwarding was a key requirement for A.C. Choksi as the BSE and NSE network was connecting on the LAN and sending multicast packets for the ODIN server. GajShield firewall would capture these packets and broadcast the same to the DMZ network and similarly the multicast packets which were generated on the ODIN server was broadcast to the VSAT network. These multicast packets are important for them because they contain BSE and NSE rates which keeps getting refreshed.

A.C. Choksia used GajShield anti-virus engine for complete anti-virus protection for web surfing with gateway-level scanning and blocking of standard web protocols like HTTP and FTP. Gateway level protection ensures a powerful defense at the network's perimeter, reducing expenses related to network clean-up, network downtime and productivity loss. This approach helped in creating preemptive, attack-specific information against attacks before new pattern files are released, offering advanced protection.



A.C Choksi had taken shared space from a service provider so wanted their POP3 traffic to be scanned for viruses. GajShield scans email attachments for known and unknown viruses, including polymorphic and mutation viruses, offering protection to SMTP and POP3 traffic. This help in mitigating virus related threats propagating through emails.

URL Filtering was implemented enabling the IT staff to set and enforce web access policies across an entire network without creating huge hurdles to deployment or maintenance. Groups were created based on department, seniority etc and they were provided with time based browsing access.

A.C. Choksi required a comprehensive Reporting to analyse information related to current and past traffic movement as well as threat incidence. GajShield Reports allowed them to view Firewall, IPS, Link Utilisation reports etc.

• About GajShield

GajShield is a leading innovator of UTM appliances offering powerful & integrated protection, Data Leak Prevention, Application, user visibility & control, granular policy definition, zero day protection. GajShield delivers pro-active security to networks delivering real-time protection against fast moving threats like spyware, phishing, masked applications like Malware, Adware, P2P, Instant Messaging and provide visibility and control over content going out of an organizations network. GajShield UTM appliances are used by more than 1000, Small businesses, enterprises, educational and government institutions to protect their networks proactively. For more information call 91-22-6660 7450 or email info@gajshield.com