



An organization's voice and data network transmits valuable proprietary information. More frequently enterprises are becoming mobile-centric and extend network applications well beyond the corporate headquarters. It is incumbent upon security administrators to implement security measures that protect information being transmitted through and to the corporate telecommunications network. Well documented attacks against enterprise networks reveal how vulnerable many remote users are to skilled hackers looking to exploit weak links in corporate networks. Additional threats abound in foreign countries where industrial espionage is a common business practice.

As the workplace becomes increasingly mobile and the "edges" of corporate networks get pushed further, the threats and vulnerabilities of having mobile workers transmit information from outside the local area network (LAN) should be addressed with information assurance solutions such as the Snaptrunk.

SNAPTRUNK

The Snaptrunk is a security encryption gateway with enterprise management software. It is connected via digital circuits (T1/E1 or ISDN) and the corporate PBX.

Snaptrunk is a security breakthrough in communications. It shifts the security administrative controls to the network level, rather than the individual user. This allows for greater continuity across the enterprise, improved compliance with security policies and centralization of administrative controls. For example, Snaptrunk includes central management functionality capable of supporting and managing groups of secured networks and performing management services, such as authentication, configuration, alarm, statistics, user profiling, auditing, call detail reports (CDR), remote upgrading and more. Snaptrunk is also compatible with all major PBX manufactures.

Snaptrunk is an effective tool that enforces and monitors corporate security policy by detecting, logging and controlling all inbound and outbound network activity based on user-defined, automated security policies. It protects enterprise networks, phone systems and other critical infrastructure from back-door and other external attacks through the Public Switched Telephone Network (PSTN). Additionally, the Snaptrunk also securely connects users at endpoints using (Snapsoft, Snapcell, and Snapfone) with each other.

The Snaptrunk's super-advanced gateway architecture is based on military technology used for protecting battlefield and military intelligence. Snaptrunk is completely transparent to the end-user, allowing a secure call to be placed in the exact same manner as a regular call. Snaptrunk is also capable of securing conference calls and with its patented multipoint switching technology it can protect remote users from any location regardless connectivity (analog, digital or cellular). A single Snaptrunk can support up to six E1/T1 interfaces, securing up 180 concurrent secure calls which can typically secure up to 1800 users. Additional units can be added to network infrastructure to allow for additional capacity.

KEY BENEFITS

- Security controlled at network level rather than end user
- High security level (FIPS 140-2 level 2)
- Enforces and monitors corporate security policy
- Transparent and seamless user experience
- Advanced management features
- Supports multiple concurrent calls

SNAPTRUNK™ FEATURES

- HIGH SECURITY LEVEL (FIPS 140-2 LEVEL 2)
- UP TO 90 SIMULTANEOUSLY ENCRYPTED SESSIONS
- FULL MANAGEMENT CAPABILITY
- USER-DEFINED AUTHENTICATION AND ACCESS CONTROL CAPABILITIES
- SUPPORTS COMMON PBX
- SOFTWARE UPGRADEABLE
- CALL LOGGING AND CDR'S
- FULL MONITORING CAPABILITY
- DISTRIBUTED DATABASE
- ADVANCED REPORTING CAPABILITIES
- KEY EXCHANGE MANAGEMENT

TECHNICAL SPECIFICATIONS

| Protocol | VoIP | Euro-ISDN PRI or CAS |
|-------------------------|--|--|
| Call Signaling: | H.323 or SIP | Q.931 |
| Data Transport: | RTP/RTCP | <p>Fixed line analog: V.32 Proprietary modem call set-up time: 7 sec</p> <p>GSM Cellular: Circuit Switched Data (CSD) or High Speed CSD (HSCSD) via Standard V.32 (call set-up time: 16 sec) or V.110 (part of Euro ISDN PRI) call set up time: 7 sec</p> <p>Fax: Fax Relay supporting Group 3 T.30 Fax</p> <p>Other cellular: CSD via standard V.32</p> |
| Supported Audio Codecs: | G.711 (PCM); G.723.1; G.726 (ADPCM); G.728; G.729a | G.723.1 compliant; G.729A; G.726; Voice quality (MOS) 3.88 - 4; Bit Rate: 6.4Kbps, 8Kbps, 32Kbps |
| Security: | 3DES (192-bit key) AES (128/192/256 bit key) | 3DES - (192 bit Key) AES - (128/192/256 bit Key); Key Exchange Time: Less than 1 Sec |
| Integrity: | HMAC-SHA1-96 | Optional |
| Authentication: | Password-based | Password-based |
| Key Management: | Diffie-Hellman key exchange: 1024-bit public key, | Diffie-Hellman key exchange: 1024-bit public key, 192-bit private key |

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