

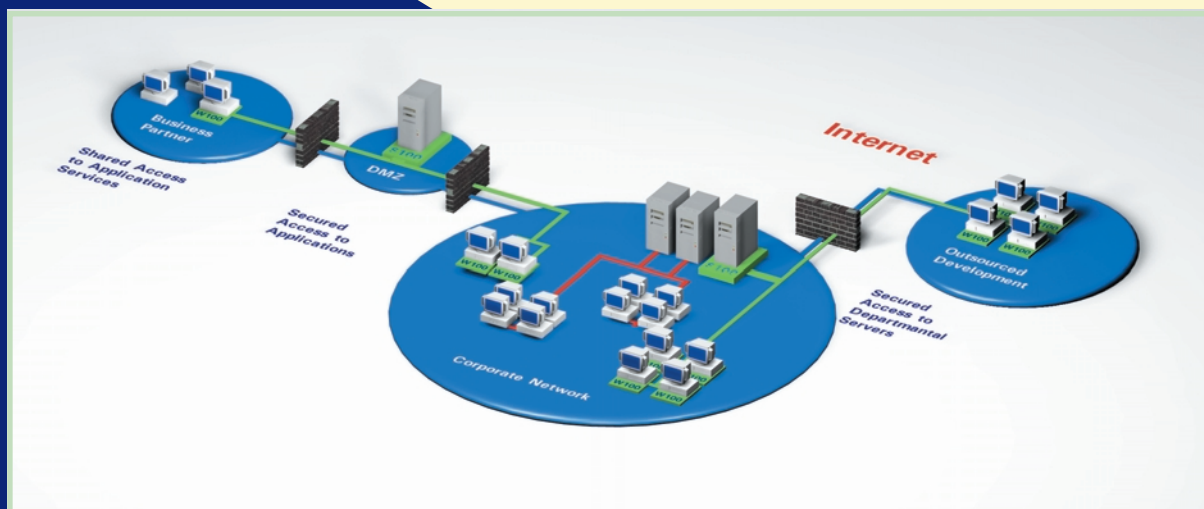


## Server Protector

The IP-Granite Server Protector forms part of the IP-Granite suite of products. Used in conjunction with other IP-Granite product models or with third party IPSec compliant products, the Server Protector enables you to secure all traffic flowing to and from the server. It allows you to set up secured communications with other protected servers, user workstations running the IP-Granite Workstation software or IP-Granite Gateways and VPN Appliances.

### Product Description

The IP-Granite Server Protector is an easily installed software package that secures communication between a server and other IP-Granite products. The Server Protector extends the network stack of the host operating system and provides full-featured communication security. It is a standards-based product using the IETF IPSec and IKE protocols. With the Server Protector you can selectively enable privacy, integrity and authenticity of information sent between the S100 server and workstation users or other participants in a VPN community. The secured traffic can be safely sent across the Internet and other untrusted networks, allowing networks to securely participate in user communities, corporate or dial-up VPNs, and Intranet VPNs.



### Benefits

The full IPSec implementation and multi-platform support of the Server Protector will secure the increasingly important information flowing over your corporate backbone. With the Server Protector you can achieve true end-to-end Intranet security for user communications.

# Features and Specifications

## IPSec features supported:

- AH/ESP tunnel and transport mode
- Main, Quick and Aggressive modes
- Expiration of Security Associations (SAs) using time and/or kilobytes
- NAT Traversal
- Path MTU discovery

## Platforms supported:

- Product Model S100:
  - Windows 2000
  - Windows NT 4.0 (Service Pack 3, and above)
- Product Model S102:
  - SuSe Linux 7.0 (kernel 2.2.x)
  - RedHat Linux 7.0 (kernel 2.2.x)
- Product Model S103:
  - FreeBSD 3.x and 4.x

## Network support:

- Ethernet
- Dial-up

## Encryption algorithms supported:

- DES (56 bit), 3DES (168 bit)
- IDEA (128 bit)
- Blowfish (40 - 446 bit)
- AES / Rijndael (128, 192 & 256 bit)

## Authentication and Key Exchange support:

- IKE (formerly known as ISAKMP/Oakley)
- Diffie-Hellman (768, 1024 bit)
- RSA (1024, 2048 bit)
- Signatures: RSA, DSS, X.509
- Pre-shared secrets
- Perfect forward secrecy (PFS) support for Diffie-Hellman in Quick Mode

## Hash functions supported:

- MD5
- SHA1

## Standards supported:

- IETF IPSec
- ISO X.509 v3
- PKCS #1, #10, #12
- SCEP / CMP

## Certification Authorities supported:

- VeriSign
- RSA Data Security Certificate Server (Keon)
- Baltimore
- Entrust

## Certificate Management:

- Automatic retrieval and processing of certificates and Certificate Revocation Lists (CRLs)
- X.509v3 certificates supported
- Automatic certificate enrolment using SCEP / CMP

## Management:

- Policy + rule based configuration with a user-friendly Graphical User Interface
- Live configuration
- Granular control based on IP address, subnet address, address range, port and protocol.
- Use of wizards for installation and configuration
- Access control based on X.509 certificate contents.
- Event log viewer
- Quick policy selection
- Password protection for policy
- Management software included with S100
  - Remote management
  - Local management
- Remotely manageable using W100
- Centrally manageable using M100
- Security Association (SA) monitor (both phase I and phase II)

Performance figures and data quoted in this document are typical and must be confirmed before they become applicable to any order or contract.

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