

# Trustix™ Enterprise Firewall

## The need for Virtual Private Networks

**Trustix™**

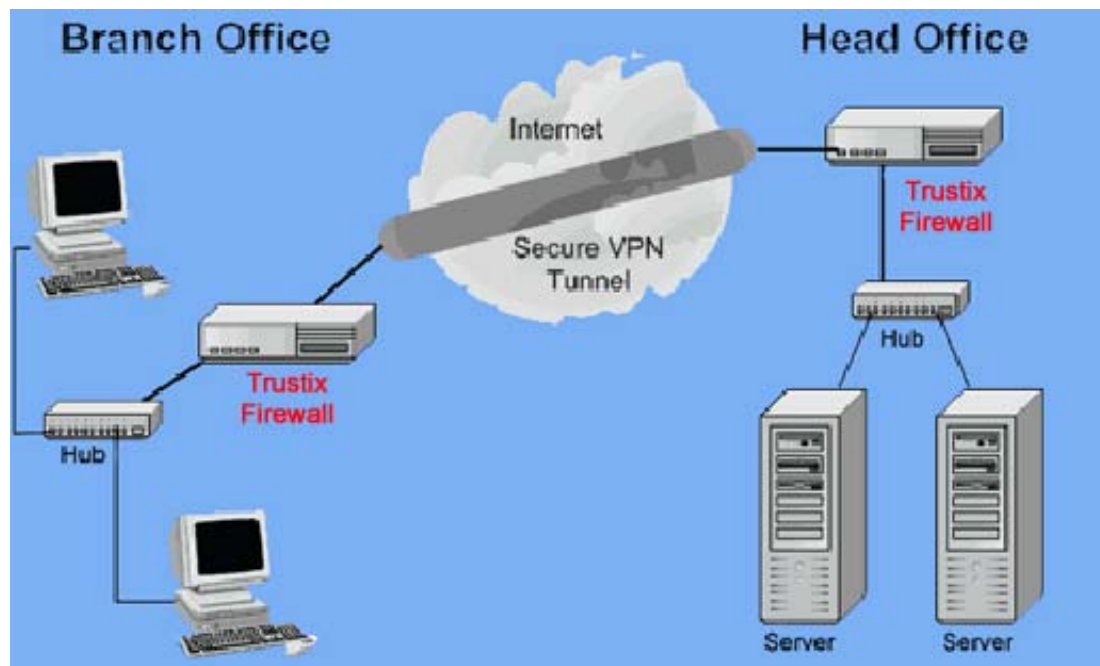
### Enterprise Firewall- Cost effective and secure inter-office communications

How would your company send sensitive information across the internet in such a way as to reduce the need for leased lines yet maintain confidentiality of the traffic? How would you separate your traffic from everybody else's? The answer- encryption and Virtual Private Networks using Trustix™ Enterprise Firewall.

- Information is kept within the perimeter of your organization
- Remote sites can exchange information instantaneously
- Remote users are no longer isolated
- Traffic is encrypted so as to prevent eavesdropping
- The remote site is authenticated
- Multiple protocols are supported over the VPN
- The connection is point to point- the 2 end points of the VPN form a unique, encrypted tunnel
- Avoid the cost of expensive leased lines or private networks

#### Site VPNs

Site VPNs are used by organizations to connect remote sites without the need for expensive leased lines or to connect two different organizations that wish to communicate for business purposes. The VPN will connect two firewalls to each other.





To initiate the connection, one site attempts to send traffic to the other. This causes the two VPN end points to initiate the VPN. The two end points will negotiate the parameters of the connection depending on the policies of the two sites. The two sites will authenticate each other by Trustix Enterprise Firewall's use of Public Key Infrastructure certificates. Therefore, an organization with remote offices can create a virtual network that connects all these offices to a central site- at a significantly reduced cost.

### **User VPNs (for roadwarriors etc)**

User VPNs are virtual private networks between an individual user machine and an organization site or network. Often user VPNs are used for employees who travel or work from home. The user connects to the internet via a local ISP and initiates a VPN to the organization via the internet.

The organizations site requests the user to authenticate and, if successful, allows the user access to the company's internal network as if the user were within the site and physically on the network. While the user has a VPN to the internal network- he or she also has a connection to the internet as is free to surf the web or perform other activities like a normal home user.

Using the Trustix Firewall to create Virtual Private Networks between your office and your remote workers will:

- Allow mobile employees to have access to e-mail, files and internal systems wherever they are without the need for expensive long distance calls to dial in servers
- Allow employees who work from home the same access to network services as employees who work from within the organization without the requirement for expensive leased lines

Trustix Enterprise Firewalls use the following protocols and standards to secure your data:-

- Internet Protocol Security (IPSec) compliant VPN ensures industry wide compliance through the FreeS/WAN VPN server standard for office to office connection
- Remote access VPN for connecting home-office users with 168-bit 3DES encryption of all VPN tunnels.
- Public Key Infrastructure (PKI) X.509 certificates for authentication of employees working remotely via VPN connections issued and controlled all through the same GUI interface.
- Diffie-Hellman (DH) public key handling

Trustix™ Enterprise Firewall will secure your business communications and liberate your mobile workers with a cost effective VPN connection.

# **Trustix™**

New Court, Regents Place, Regents Road, Manchester, Salford, M5 4HB,  
United Kingdom Tel Sales: +44 (0) 161 874 7080  
Fax Sales: +44 (0) 161 877 1767

[www.trustix.com](http://www.trustix.com)

© 1998-2004 Comodo. Trustix™, XPlay™, SWUP™, and the Trustix Logo are trademarks of Comodo Trustix Limited. SIDEN™, SEEOS™, EnterpriseSSL™, InstantSSL™, TrustLogo™, VerificationEngine™, UserAnywhere™ are trademarks of Comodo. All other trademarks and registered trademarks are the property of their respective owners.

Information in this document is subject to change without notice.  
Part Number 2004.THE NEED FOR VPN.001