

# VPNs ILLUSTRATED

Tunnels, VPNs, and IPsec

## Questions, questions

Do you need to offer remote access to your company network?

Maybe you work from home, or maybe your employees do, or maybe you have business partners that need to access information on your company Intranet?

Perhaps you have an HQ and branch offices that are connected through the public Internet, and you need to be able to transfer data securely?

How do you implement a secure access solution that's not going to break the bank and be a headache to set-up and manage?

## Answers

You might have looked at a VPN solution for your secure remote access.

Traditionally this would have been what's called an IPSec VPN, creating a tunnel where the data is encrypted by the sender and decrypted by the receiver. This technology was originally designed for point-to-point or site-to-site connectivity.

For SMBs this has historically proved to be an expensive solution, both to implement, and then to manage, and also often technically complicated for employees and customers to operate. And not always ideal for secure access from non-fixed locations.

So surely there's another option?

## Understanding SSL VPN

Well there is. It's called SSL VPN and it's been around for quite a while now, so it's mature technology.

It is based around the SSL encryption that already exists in the humble browser. If you have ever done Internet banking or shopped online you have used SSL encryption keys.

SSL VPN takes the technology a stage further, allowing you to create an encrypted VPN tunnel simply by opening up a browser.

So whether you use Internet Explorer, Safari, Opera or Firefox, you can connect via a secure tunnel from anywhere in the world, so long as you have a browser and an Internet connection. It's that simple.

And because the technology is so simple to setup and easy to use, there are virtually no ongoing overheads. Once you have your SSL VPN up and running, there are usually no annual licence charges, and management is minimal, freeing up time and resources.

## So why haven't I heard of this before?

The problem is that over the last few years SSL VPN has been the preserve of larger businesses and has had a price point to match.

Now, however a new breed of SSL VPN devices are coming out that are priced specifically for the SMB market. They keep the great features and ease of use that SSL VPN offers, whilst stripping out the high-end enterprise features that most SMBs don't need.

## Great, so where can I get some?

Billion offers the widest range of SSL VPN devices for SMBs in the UK.

Whether you are a small start-up or a larger expanding business, Billion has a device to fit your needs, and at a price to match.

And we're the only manufacturer to integrate router and firewall functions into our SSL VPN devices at this price point, providing an effective one-box management solution.

For secure remote access that's simple to set up and easy to use, look no further than the BiGuard SSL VPN security gateway range from Billion.



### BiGuard S5

- SSL VPN Starter Pack
- 5 SSL VPN tunnels
  - upgradable to 20 tunnels
  - up to 20 employees



### BiGuard S10

- SSL VPN Security Gateway
- 10 SSL VPN tunnels
  - upgradable to 20 tunnels
  - 10 IPsec VPN tunnels
  - up to 50 employees



### BiGuard S20

- Dual-WAN SSL/IPsec VPN Security Gateway
- 20 SSL VPN tunnels
  - 30 IPsec VPN tunnels
  - 50 to 250 employees

- SSL VPN Gateway plus solid Router Functions
- Simple browser login
- No extra VPN client software required
- Highly affordable Package, easy to use, easy to set-up
- Mac/Windows/Linux/MS Mobile 5.0 compatible
- Network/Transport Extender Technology
- Granular Access Policy Management and Personalized Web portal
- Data Encryption, User Authentication and Access Control, Host Security Checking
- Robust Firewall Security, Quality of Service Control, Hardware DMZ
- Rack mountable



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