



# Application Layer Firewalling



## WHAT IS YOUR WEAKEST LINK...?

- Nimda, Code Red, Blaster, Flipper, ILOVEYOU, all came in through **your** firewall, which let **your** systems get infected.
- Encryption, complicated applications, rise of Web traffic, Spam, and Spyware all invalidate current firewall technologies, that don't speak their language.
- A Microsoft firewall understands applications and how they work, it doesn't just rely on ports.
- ISA Server 2004 has never been hacked (a current record for commercial firewalls), and is inexpensive – can your firewall say the same?
- Network Engines produced the hardware appliance, add features & reduced the price to provide full layer 1 to 7 protection.
- Vircom can deliver, install, configure, and manage it for less than the price of two workstations. Can you afford to wait?

It is estimated that 9/10 security breaches could have been avoided with proper application protection and patching. Next generation application layer firewalls that are orders of magnitude more secure are here, but they are expensive, cost a fortune to deploy, and are for big companies only....right? ...wrong!

**Next Generation Protection, Accelerated Internet Access, Secure VPN, Unified Threat Management  
One Fixed Low Price**

Yesterday's firewalls were for an age when everyone on the Internet followed rules, spam didn't exist, viruses were things *people* caught, and a firewall was a special router designed to do its job quickly, not well. Every Microsoft, Oracle, Apache, and Linux worm that costs you money, time, and headache continuously reminds you that they are no longer up to the job.

The cost quoted by conventional security companies for a "firewall upgrade" can be more than the entire value of IT assets you have in your business (and sometimes even higher), and security consultants tell you everything is complicated and takes many weeks worth of work to do.

Vircom has teamed up with Microsoft and leading global appliance manufacturer Network Engines to bring you affordable, high-performance, application layer firewalling, VPN, and unified threat management. Installed, configured, and up and running in your network in 1 day of time, by one of our expert MCSE+S or higher architects.

**Your network is only as secure as its weakest link**

The solution consists of an appliance from Network Engines, preinstalled with Microsoft ISA Server 2004, **from only £3500** installed! Additional features such as active/passive failover (requires two boxes), multi-ISP load balancing, and web based management capability are also available depending on model chosen.

The solutions is also available with Vircom's no hassle managed firewall or co-managed firewall plus monitoring service for a totally integrated worry free next generation solution.

**NO BLACK HATS**



**Common Criteria  
EAL 4+ Certified**



**Microsoft  
Windows Server 2003**



**BEYOND THE  
FIREWALL**



Security Solutions  
Networking Infrastructure Solutions  
Mobility Solutions



UIC Partner Qualified for 2006

## NEXT GENERATION PROTECTION

Microsoft has designed their firewall platform to protect their applications and to be inexpensive, following their corporate vision of making advanced technology at commodity prices. Vircom consultants have rolled out ISA Server to more than 50 customers worldwide; we know how it works, and know how long it takes, know what to do, and how. This experience reduces your risk and saves you money.

Network Engines have made the process even easier, with powerful automated configuration, and the most exhaustive lockdown and security hardening ever done to a Microsoft box. The appliance format allows the box to run in a truly headless state powered by a web based management interface.

Instead of over complicate things to inflate the price (which the IT security industry is good at), Vircom would rather build a relationship for the future. Thus we can typically build, deploy, and install the firewall for you in **one day** – including AD integration and base firewall rules. Our flexible pricing means we charge you for the time it takes, or we can quote a fixed cost to fit your budgetary requirements.

Customers with a Vircom Support Agreement can use their allotted consulting hours for detailed training on advanced ISA Server skills. Any customer can also purchase our managed firewall offering starting at only £400 per month. For further details on these offerings visit our web site.

### A powerful array of features:

1. Authentication against AD or any other Directory – only users who authenticate can get in or out (all clients supported – not just Windows) – **no anonymous access means no more worms!**
2. Full blown VPN capabilities, including user/group based filtering of VPN protocols, for example – these users can access RPC for Exchange, these can't, these users can ping, those can't, etc.
3. SMTP based filtration, attachment blocking, etc. DNS based protection, SSL Termination and Bridging, RPC Security filtration, and many other advanced application firewall cases. This **stops worms dead** – Worms break protocol rules on the network, **if they can't break rules, they can't infect you**, the firewall drops non-protocol compliant traffic.
4. The most sophisticated HTTP Security engine on the market, which lets you block any type of traffic anywhere from anyone, for example, block MSN Messenger for these users, but not for administrators.
5. Dedicated protection for Exchange, Outlook Web Access, Mobile Access, Exchange Active Sync (Windows smart phones, soon on Nokia too) with custom protection specialised for making mobile traffic safe.
6. Internal Firewalling capability, including Domain Controller protection support, Exchange Protection, Client RPC filtration, Windows group validation and protocol filtration for even non-password protocols like ICMP Ping.

## HIGHLIGHTS

- Latest HTTP, SSL, FTP, DNS, SMTP, POP3, VPN, RPC, forward and reverse proxy application firewalling.
- Common Criteria certified firewall, with longest deployed record without vulnerability, rated to more than 1000 concurrent clients with all features turned on.
- Full integration into Active Directory® for outbound AND Inbound proxy.
- Special protection focus on Microsoft protocol security like Exchange, IIS, Windows AD and RPC applications – This can do things that £40k-£50k firewalls can't!
- Optional components like anti-virus, SurfControl, WebSense, and many other application filters.
- Supports multiple types of authentication including, Basic, Integrated(NTLM, Kerberos), Digest, Certificate, RADIUS, RSA SecureID.
- All for less than you could buy and license a good server.

Microsoft  
Internet Security &  
Acceleration Server 2004



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