

Top 50 telecom vendors

From power to appliances from VOIP to web services the companies you will read about are the real deal! We received lots of nominations, tested

them all out, asked countless questions and generally turned them inside out so we can now present you with their stories and what they are really all about.

Heading their fields and scoring highly into the consumers' hearts and minds they are on this list because they really deserve to be. Please welcome the top 50 Service Provider vendors!

Company name	CEO	URL
1&1	Andrea Guager	www.1and1.com
ACI Worldwide	Mark R. Vipond	www.aciworldwide.com
ADTRAN	Thomas R. Stanton	www.adtran.com
AIRlok	Dr. Simon Lok	www.loktechnology.com
AIT	Clarence Briggs	www.aitcom.net
Aliroo	Meir Zorea	www.aliroo.com
Allot Communications	Yigal Jacoby	www.allot.com
American Power Conversion	Rodger B. Dowdell Jr	www.apcc.com
Apani Networks	Koichi Takazawa	www.apani.com
Aplus.Net	Ivan Vachovsky	www.aplus.net
ARRAY NETWORKS, INC	Michael Zao	www.arraynetworks.net
Atreus Systems	Andrea Baptiste	www.atreus-systems.com
Bandwidth Market	Howard Holme	www.bandwidthmarket.com
Bridgewater Systems	Terry Matthews	www.bridgewater.com
Brix Networks	Thomas J. Pincince	www.brixnet.com
BroadSoft	Michael Tessler	www.broadsoft.com
Caleris	Dean "Rick" Grewell	www.caleris.com
Calix	Carl Russo	www.calix.com
Cogent Communications	Mr. David Schaeffe	www.cogentco.com
Cortex	Paul van Tol	www.ems-global.com
ECI Telecom	Mr. Doron Inbar	www.ecitele.com
Equinox Information Systems	Byron Middendorf	www.equinoxis.com
FarStone Technology	Mr. Thomas Lin	www.farstone.com
Five Across	Glenn C. Reid	www.fiveacross.com
GlobalTouch	Greg Welch	www.globaltouch.com
InfiniRoute Networks	Gary Tauss	www.infinoute.com
INGATE® SYSTEMS	Olle Westerberg	www.ingate.com
IntelaCom	Vince Dima	www.intelacom.com
LineSider	Harley Stowell	www.linesider.net
McAfee®	George Samenuk	www.mcafee.com
Mirapoint	Barry Ariko	www.mirapoint.com
NetDevices	Seenu Banda	www.netd.com
NexTone Communications	Malik Khan	www.nextone.com
NovaStor	Peter Means	www.novastor.com
Pannaway Technologies	Gary Davis	www.pannaway.com
phone007.com	Eric Teng	www.phone007.com
Port80 Software	Thomas Powell	www.port80software.com
Primal Technologies	Ravindra Conway	www.primaltech.com
Sana Security	John Zicker	www.sanasecurity.com
Saratoga Technologies, Inc	David Temple	www.saratogaus.com
smartBridges	Nimesh Parikh	www.smartbridges.com
SWsoft	Serguei Belousov	www.sw-soft.com
Tellabs	Michael J. Birck	www.tellabs.com
TelTel	Sherman Tuan	www.teltel.com
Top Layer Networks	Peter Rendall	www.toplayer.com
Veraz Networks	Doug Sabella	www.veraznetworks.com
WebSiteMovers.com	Ryan Pelerin	www.websitemovers.com
Wireless Computing	Martin Phillips	www.wireless-computing.com
Zeus Technology	Paul Brennan	www.zeus.com
Zoom Technologies	Frank B. Manning	www.zoom.com



Service Provider WEEKLY

Top Layer Networks



perfecting the art of network security

CEO: Peter Rendall
Telephone: (508)-870-1300
Fax: (508)-870-9797
Email: info@toplayer.com
URL: www.toplayer.com

Founded in 1997, Top Layer Networks develops network security solutions that enable enterprises worldwide to protect their infrastructure and critical online assets from cyber-threats. The Company's patented, ASIC-based products are engineered to deliver accurate and reliable protection mechanisms while operating as robust in-line network security devices - ideal for protecting service providers from today's sophisticated attacks.

Top Layer's IPS 5500 family of intrusion prevention systems offers the strongest levels of network IPS protection, performance and reliability on the market today. By improving upon the most powerful characteristics of stateful firewall technology and intrusion detection systems, Top Layer has developed the IPS 5500 in order to protect against attacks in real-time with minimal interruption of legitimate traffic. Top Layer executes high performance, non-disruptive deep packet inspection and analysis coupled with intelligent blocking of attacks through TopFire™ second-generation ASIC technology and TopInspect™ Deep Packet Inspection.

- 1) Undesired Access through stateful firewall filtering
- 2) Malicious Content through advanced IPS technology, and
- 3) Rate-based Attacks through Distributed Denial of Service (DDoS) mitigation.

The combination of defenses IPS 5500 provides against DDoS. Firewall filtering is required to ensure total protection from recent hybrid attacks. For example, SQL Slammer caused an exploit of a vulnerability as well as a denial of service condition and MyDoom contained elements of a virus, a denial of service attack, and a backdoor Trojan. Because of these sophisticated threats, a comprehensive approach to protection is crucial.

Service Providers and Web Hosters have the overwhelming responsibility to provide their customers with always-on connectivity. Any malicious traffic such as a DDoS attack threatens the provider and their customers -- and can bring Internet connectivity to a halt. In addition to offering reliable connectivity to

customers, it is critical for providers to protect their own core network infrastructure. Top Layer's IPS 5500 offers Providers:

- The highest recorded performance levels against DDoS and other attacks, such as worms and Trojans
- Always available business operations with no interruption in revenue
- The ability to offer value-added protection services for their customers
- Easy-to-configure, non-disruptive deployment

The Top Layer IPS 5500 is the first and only product to be approved by NSS for both rate-based and content-based cyber attack protection. The coveted NSS Approval -- the de facto industry standard for security products -- was earned in a series of side-by-side comparison of leading IPS products. NSS conducted a brutal battery of more than 800 tests to verify the stability and performance of each IPS tested, as well as determine the accuracy of its security coverage and, most importantly, ensure that the device does not block legitimate



traffic. The IPS 5500 test results can be viewed and downloaded at www.nss.co.uk/ips (Edition 2 of the test results)

According to Bob Walder, President of the NSS Group, "The IPS 5500 was the first ever device to be tested against both our content-based IPS and brand new rate-based IPS methodologies, and it performed extremely well in both. In our testing, we covered all aspects of performance and reliability, security, accuracy, and usability. The IPS 5500 had outstanding performance in all our tests, achieving 100% detection rates across the board, with headroom to spare. Basic latency figures were outstanding, almost switch-like under any traffic load. In fact, the IPS 5500 was one of only two IPS devices we have tested that achieved zero packet loss and low latency at all packet sizes."

The NSS Group's Approved status is the litmus test for network security products, and Top Layer remains the only IPS to achieve NSS-Approved status in both rate-based and content-based cyber attack protection, meaning service providers can be confident their networks and critical online assets are protected to the fullest extent possible.

More than 800 service providers, enterprises and government organizations around the world such as Savvis, Dexagon, Globix, Cybercon.com,

HoneyBaked Ham, Dalton Utilities, Javits Center, and University of Westminster rely on Top Layer's IPS 5500 to protect themselves against today's increasingly potent and sophisticated cyber threats.

Also, more and more viruses, worms and Trojans are aimed at exploiting Microsoft operating system vulnerabilities, so it is critical that service providers have adequate protection up front before these threats infiltrate their networks. Prior to the regular release of Microsoft's vulnerabilities updates [the first Tuesday of each month], Top Layer's IPS 5500 is able to offer proactive protection for customers from most vulnerabilities with its Microsoft Protocol Validation Module. Since Top Layer's protocol validation modules use protocol anomaly detection to inspect all transactions for acceptable use of the appropriate protocol, exploits of most critical vulnerabilities are automatically blocked regardless of the attack method used. This allows service providers to focus on their business, rather than immediately shifting priority resources to address the Microsoft vulnerabilities problem.

In short, Top Layer is the best option for service providers seeking to go beyond traditional firewalls and passive IDS solutions to infuse the highest levels of proactive intrusion prevention into their networks - to protect their own criti-

cal assets and infrastructure as well as those of their customers.

As an example, Top Layer recently announced its collaboration with Globix, a leading Internet Application and Infrastructure Management Services Provider, to help provide the Network Defender Series, a new addition to Globix's range of managed security services.

The Globix Network Defender Series provides network-level Intrusion Prevention to guard against the growing number of malicious attacks such as SYN Floods, HTTP-based worms and the devastating effects of (DoS) and (DDoS) attacks. The Network Defender Series is available as a dedicated or shared service. It was launched after six months of intensive development and testing, using a combination of in-house engineering and programming and intrusion prevention hardware from Top Layer Networks.

The mitigation service filters and cleanses attack traffic allowing legitimate traffic to be forwarded to the customer site ensuring uptime for business critical applications. The Globix Intrusion Prevention System utilizes Top Layer's IPS 5500 and is capable of handling multi-Gigabit attack traffic speeds. Any traffic that is identified as a threat is dropped, allowing only 'legitimate traffic' to be routed to the website ensuring clients continue to be served.