

Securing Networks With Fortinet

Selecting the right security device to protect your mission critical assets can be a difficult task. With the latest security threats designed to bypass traditional security devices, traditional single function point-based security solutions are not providing effective protection. Fortinet offers the next generation network security platform with an ASIC accelerated unified threat management system. By combining seven security functions to create a new form of detection and prevention technology, the Dynamic Threat Prevention System, Fortinet goes well beyond deep packet scanning that traditional security vendors view as modern security technology.

Fortinet's security platforms provide full content scanning at all application layers to raise the bar against both known and unknown threats. See why thousands of customers worldwide have entrusted Fortinet to protect their mission critical applications and data.

10 REASONS TO SELECT FORTINET

Many advantages can be obtained by combining several separate point based security systems into one unified security platform. The most popular reasons why customers choose Fortinet over other leading security vendors include the following 10 reasons.

Better Value

1. **Integrated security platform** that provides 7 key security components to provide customers the greatest flexibility and protection available in a modern security platform: Stateful Firewall, Antivirus, Intrusion Detection & Prevention, IPSec Virtual Private Network (VPN), Web Content Filtering, Anti-Spam (including Spyware/Grayware), and Bandwidth Shaping. Fortinet's security solutions are the only security products that are certified in four ICSA Lab categories - Firewall, VPN, IPS, and Antivirus.

2. Fortinet's award winning **technology is consistent across its entire family** of products and provides the same leading edge protection regardless of company size (SoHo to SME to large enterprise to service provider). Smaller customers benefit by taking advantage of enterprise and carrier class security features while larger customers benefit from Fortinet's experience in designing strong security products that are intuitive, easy to deploy and use. In September 2004, IDC named Fortinet's technology as the leader in the Unified Threat Management (UTM) security category with 29.5% market share. And in April 2004, Gartner named Fortinet's technology as Visionary in their Enterprise Firewall Magic Quadrant.



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3. FortiGate products **lower Security TCO**. Eliminating multiple security devices and collapsing them into one security choke-point decreases the Capital Expenditure (CAPEX) and Operating Expenditure (OPEX) costs. Implementing single purpose point security products is not only more expensive than Fortinet's FortiGate security platforms, but it also lacks the Dynamic Threat Prevention System capabilities of Fortinet's combined technologies - which greatly increases the detection rate of modern stealth and blended threats.

With Fortinet's simple "per box" licensing, ongoing maintenance, support, and product update costs are greatly reduced over competing products that are licensed on a "per user" basis.

LEADING EDGE TECHNOLOGY

4. Fortinet security platforms offer **unparalleled security and performance** in each of its products. To provide strong security without performance penalties, Fortinet developed a high-performance security ASIC (FortiASIC) and patent pending Compact Pattern Recognition Language (CPRL) that is specifically designed to speed up the computationally intensive routines commonly associated with complete content protection. This technology goes beyond the Deep Packet Inspection capabilities that many competing firewalls are just starting to implement. All FortiGate security systems perform **real-time content reassembly and analysis** to deliver 4 to 6 times the performance for antivirus, grayware, IDS, encryption, content analysis, and related functions when compared to software-based security applications. No other vendor can provide the same level of security and performance in a comparably priced security system.



5. Fortinet's **Dynamic Threat Prevention System** is unique in the industry. By leveraging the FortiGate's ability to perform stateful firewalling, antivirus inspection, and intrusion detection, Fortinet has created new security algorithms to take advantage of the shared information between its security components - giving FortiGate the ability to stop malicious threats that are non-signature based. This technology allows Fortinet to increase its detection capabilities against modern attacks that are designed to bypass traditional security defenses such as stateful firewalls and intrusion detection systems.

6. **Fortinet security platforms are proactive.** All FortiGate Antivirus Firewall systems have the ability to detect, remove and block both known and unknown threats in real time. Coupled with Fortinet's real-time virus and attack signature updates (FortiProtect), FortiGate protected networks can stop new born threats faster than traditional "identify only" and "manual update" security solutions. This not only provides faster response times and better protection against attacks, but also lowers IT workloads and downtime often associated with the aftermath of a virus outbreak or destructive worm - significantly minimizing the loss of information, lowering TCO, and increasing user productivity.

7. Fortinet's family of enterprise and carrier class FortiGate security platforms offer the **industries most flexible, scalable and high-performance multi-function security systems**. Leveraging carrier grade ATCA standard chassis and components, the FortiGate-5000 series can scale from 16 to 112 GigE ports with the ability to process information at Gigabit speeds. FortiGate products starting with the SoHo FortiGate-60 to the carrier class FortiGate-5000 series all support High-Availability Clustering to provide redundancy and scalability to eliminate single points of failure.

Complete Security Solution

8. Fortinet offers a **complete range of security products** to help customers protect their networks. Modern security is not just one function such as a firewall or intrusion detection system, but an infrastructure of coordinated security components placed at various layers of the network with the ability to take the appropriate actions when threats are identified. Fortinet understands the importance of a complete solution and offers customers robust logging and reporting through its FortiLog and FortiReporter products, automated updates with FortiProtect Services, real-time Web Content Filtering with FortiGuard, and coordinated central management with FortiManager.

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9. To provide an additional layer of **protection for hosts at the edge** of the network (either in the office or away from the office), FortiClient v1.2 provides host-based antivirus, spyware detection and removal, personal firewall, and VPN capabilities. When combined with Fortinet's network-based security platforms, customers are assured of complete protection with automated updates of critical signature files.

10. All FortiGate security solutions are ICSA Labs certified for Firewall, Antivirus, Intrusion Detection & Prevention, and IPSec VPN - guaranteeing industry **recognized standard-based protection and compliance**. Passing additional IPS testing with the world renowned NSS Labs further attests to Fortinet's leading edge technology and its ability to fully detect and stop modern network threats. With ICSA certification and NSS IPS testing, customers are assured that high industry standards are met and can feel confident about the security solution they have chosen to implement in their corporate networks.

FortiOS FEATURES

Fortinet security platforms offer complete protection for a wide range of security functions - Stateful Firewall, IPSec VPN, Antivirus, IDS & IPS, Web Content Filtering, Anti-Spam, and Bandwidth Shaping. Functionality is consistent across all FortiGate units ranging from the economical SoHo products to the carrier class service provider and large enterprise systems. An overview of Fortinet's FortiGate Antivirus Firewall features include:

FortiGate Architecture

- Asic Based Purpose-Built Architecture
- Asic Accelerated FW, VPN, AV, IPS
- Dedicated Hardened Operating System
- Fortinet Software Ownership - no OEM or 3rd Party integrated products

Enhanced Features

- Real-time Application Scanning Without Adding Noticeable Delay
- Full content reassembly in addition to deep packet inspection
- Global Threat Response System With Automated Updates (FortiProtect)
- Global Web Content Filtering Service (FortiGuard)
- Central Management (FortiManager)
- Central Logging & Reporting (FortiLog)
- Enhanced Central Reporting (FortiReporter)
- Multiple Language Support (English, Chinese, Japanese, and Korean)
- Network-Based (FortiGate) and Host-Based (FortiClient)
- HW & SW Combined for Single Unit Licensing Scheme

High Availability & Scalability Features (Model FG-60 and above)

- Active-Active
- Active-Passive
- FW/VPN Connection Failover
- Configuration Synchronization
- Device Failure Detection & Notification
- Redundant Power Supplies (not all models)
- Link Status Monitor
- Guaranteed, Maximum, Priority Bandwidth Shaping
- Multiple WAN Link Support
- Multiple DMZ Support

Firewall Features

- Stateful Firewall
- Integrated Blocking for IPS, AV (Dynamic Threat Prevention System)
- Virtual Domain Support (both NAT/Route and Transparent Mode)
- H323 NAT Traversal



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Routing, Network, Traffic Management Features

- Static Routes
- RIPv1 and RIPv2 Support
- OSPF Support
- NAT, PAT, Transparent Bridge Mode
- VLAN Tagging (802.1q)
- Quality of Service / DiffServ Support
- DNS Proxy
- DHCP Client & Server Support
- WINS Support
- Multi-Zone Support
- Multi-Zone Routing Support
- Policy-Based Routing
- PPPoE Support

VPN Features

- IPSec, PPTP, L2TP
- Encryption (DES, 3DES, AES)
- SHA-1 / MD5 Authentication
- IKE Certification Authentication
- IPSec NAT Traversal
- PPTP, L2TP, VPN Client Pass Through
- Hub and Spoke Support
- Dead Peer Detection

Antivirus Features

- Scans HTTP, POP3, IMAP, SMTP, FTP
- Scans Encrypted VPN Tunnels
- Signature Detection
- Heuristic Detection
- Spyware & Grayware Detection
- Block by File Size and Type
- Global Threat Response System With Automatic Virus Signature Updates Push and/or Pull Updates

IDS/IPS Features

- Signature Detection for 1300+ Attacks
- Anomaly Detection for 30+ Attacks
- Custom User Defined Signatures
- Peer-to-Peer Detection
- Logging, Blocking, Alerting
- Multiple Response Mechanisms
- Global Threat Response System With Automated Attack Signature Updates Push and/or Pull Updates



Web Content Filtering Features

- URL/Keyword/Phrase Block
- URL Exempt List
- Protection Profiles
- Blocks Java Applet, Cookies, Active X
- FortiGuard Web Filtering Support

Anti-Spam Features

- Real-Time Blackhole List (RBL) Support
- Open Relay Database Server (ORDB) Support
- Black/White List Support
- Keyword/Phrase Blocking
- IP Address Blacklist/Exempt List
- DNS Lookup Support
- Email Address Lookup Support
- MIME Header Checking

User/Group Based Authentication Features

- Local User Database
- RADIUS
- LDAP (Active Directory)
- Digital Certificates
- RSA Secure ID Support
- Xauth Over RADIUS Support For IPSec VPN
- Trusted Host Enforcement - IP/MAC Address Binding

Management Features

- Web Interface - HTTPs
- Command Line Interface (CLI) - Console, Telnet, SSH
- Role-Based Administration
- Multiple Administrator Support
- Upgrades & Changes via TFTP & WebUI
- System Software Rollback
- Central Management Support - FortiManager

Logging & Alerting Features

- Local Logging (Memory or HDD)
- Remote Syslog Server Support
- Remote WELF Server Support
- Graphical Real-Time and Historical Monitoring
- Email Notification
- SNMP Support
- VPN Tunnel Monitor
- Route Status Monitor
- Multi-Language Support
- Central Management - FortiManager

Certification

- FCC Class A Part 15
- CSA/CUS
- CE
- UL
- ICSA Certified for Firewall, Antivirus, IDS/IPS, and VPN
- NSS Tested Intrusion Prevention System (IPS)

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INDUSTRY AWARDS AND RECOGNITION

Fortinet's security solutions have won numerous awards for performance, functionality and ease-of-use from various industry leaders in security and computing. Some examples of these awards include the following.

- IDC Unified Threat Management (UTM) Category Leader (2004)
- Network Computing - Security Product of the Year 2004
- Business Tech Innovations Choice Award 2003
- Networking Industry Award 2003
- CRN Test Center Recommended
- Personal Computer World Editor's Choice
- Network Computing Editor's Choice
- Information Security
- Red Herring 100
- ICSA Lab Certified (Firewall, Antivirus, VPN, Intrusion Detection)



For a complete list of awards and product recognition, please visit Fortinet's web site: www.fortinet.com

WHAT ANALYSTS AND TRADE PRESS THINK

In addition to many awards won for its leading edge security technology and functional superiority, Fortinet's new generation security platform has won the hearts of many security analysts and trade journalists. Examples of what security analysts and trade journals are saying about Fortinet include the following quotes from IDC, Network Magazine, Gartner, and ServerWatch.

* **IDC** - Charles Kolodgy, 9/22/04

<http://www.fortinet.com/news/pr/2004/pr092204.html>

"The emerging Unified Threat Management (UTM) Security Appliance market transforms single function appliances into a more flexible environment for deploying multiple security features on a single platform. UTM's are quickly gaining popularity because they offer security application performance, operating cost savings, and capital cost preservation," said Charles Kolodgy, research director for Security Products at IDC. "As the leading UTM vendor, Fortinet is a driving force in this market. It helps customers thwart blended threats, offers a wide variety of functionality, integrates security services, and solidly supports applications with high-performance hardware systems."

* **Network Magazine** - Andrew Conry- Murray, 9/1/2004

<http://www.networkmagazine.com/shared/article/showArticle.jhtml?articleId=29100913&classroom>

"Security infrastructure is supposed to cost tens of thousands of dollars and require a staff of specialists to manage. But that's only for networkers who haven't heard of Fortinet. This start-up offers a multifunction security appliance that combines firewall, VPN, intrusion prevention, spam protection, and anti-virus filtering capabilities for under \$19,000. A comparable collection of best-of-breed solutions would cost over \$44,000."



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* **ServerWatch** - Ben Freeman, 8/30/04

http://www.serverwatch.com/hreviews/article.php/10823_3401571_2/

"Gartner's Magic Quadrant matrix provides a graphical representation of a particular marketplace, positioning Leaders, Challengers, Niche Players, and Visionaries on two axes: Completeness of Vision and Ability to Execute. Cisco, NetScreen, and Check Point have traditionally occupied the Leaders quadrant in the IPS/firewall space, but they are now facing formidable challenges from new players. One such challenge comes from Fortinet, a company that Gartner considers a Visionary in its April Magic Quadrant for Enterprise Firewalls. There, the research firm describes Fortinet's 2003 growth as 'tremendous.' With this growth, Fortinet's combination product of firewall, VPN, and anti-virus tools has eaten into the bigger players' market share pie."

CUSTOMER TESTIMONIALS

Since summer of 2004, Fortinet has shipped over 60,000 units and has 2,200+ customers to date. After carefully evaluating many different products, here's what some of Fortinet's customers had to say about their experiences.

* **Colliers International** - global real estate consultancy - Vic Fischer, VP of IT:

"While searching for a replacement for an aging PIX at corporate headquarters, his team came across Fortinet. He and his team did a thorough evaluation of both the FortiGate-800 and a NetScreen product. Not only did Fortinet win on price and functionality, but the company has decided to deploy the appliances in 11 of its branch offices as well. In addition to firewalling, Fischer's Fortinet box is running intrusion prevention checks (in alert mode only), anti-virus scanning, and Web filtering. He also runs McAfee both on servers and desktops, but says Fortinet's anti-virus engine often catches new threats before McAfee has an updated DAT file."

Andrew Conry-Murray, Network Magazine, 9/1/2004

<http://www.networkmagazine.com/shared/article/showArticle.jhtml?articleId=29100913&classroom=>

* **Gold's Gym** - Kurt Koenig, corporate IT manager:

"I gave my CIO the quote for three dedicated [Check Point] firewalls and the installation, and he couldn't believe the cost," says Koenig. "Faced with a dilemma, Koenig looked into multifunction turnkey appliances, appealing alternatives to pricey high-end firewalls and other point solutions for SMB managers with tight budgets and limited staff. Koenig got a firewall, gateway antivirus, site-to-site VPN and IDS/IPS in one box, a FortiGate appliance from Fortinet. And, he got it "for less than the engineering services alone were going to cost to install the other firewalls."

Lisa Phifer, Information Security, 8/1/04

http://infosecuritymag.techtarget.com/ss/0,295796,sid6_iss446_art914,00.html

* **Long Beach Transit** - Mark Georgis, network administrator:

"Mark Georgis, network administrator at Long Beach Transit in California, says he used Fortinet's FortiGate appliance to block Sasser coming in from the Internet and monitored for any worm outbreaks on the inside with Network Instruments' Observer tool."

Ellen Messmer, NetworkWorld, 5/10/04

<http://www.nwfusion.com/news/2004/0510sasser.html>

"What impressed us about Fortinet's antivirus firewalls was their ability to provide many of the features required to protect the university's assets in a single hardware implementation, including IDS/IPS, anti-virus, automated push updates and firewall functions. The Fortinet solution was also more cost effective because solutions from other vendors required costly licensing of applications and updates to augment their functionality."

- Alan Dempster

Director of IT,

Victoria University of

Wellington

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Discover Fortinet for Yourself

Fortinet's family of next generation security platforms provide unparalleled functionality, ease-of-deployment, and outstanding value when compared to many other single function point security technologies. Don't let the latest network threats take your company resources hostage. Take a Fortinet test drive and learn how Fortinet's ASIC accelerated unified threat management systems can help solve your security nightmares today.

To learn more about Fortinet's award winning technology or to locate your nearest Fortinet dealer, visit the Fortinet web site: www.fortinet.com



About Fortinet (www.fortinet.com)

Fortinet is the confirmed leader of the Unified Threat Management market. The company's award-winning FortiGate™ series of ASIC-accelerated antivirus firewalls, winner of the 2004 Security Product of the Year Award from Network Computing and the 2003 Networking Industry Awards Firewall Product of the Year, are the new generation of real-time network protection systems. They detect and eliminate the most damaging, content-based threats from e-mail and Web traffic such as viruses, worms, intrusions, inappropriate Web content and more in real time - without degrading network performance. FortiGate systems are the only security products that are quadruple-certified by the ICSA (antivirus, firewall, IPSec, NIDS), and deliver a full range of network-level and application-level services in integrated, easily managed platforms. Named to the Red Herring Top 100 Private Companies, Fortinet is privately held and based in Sunnyvale, California.

For More Information

More information about Fortinet, FortiGate Antivirus Firewall products, FortiProtect Center and other services provided by Fortinet is available from the following sources:

Online

* www.fortinet.com

Sales

- * sales@fortinet.com
- * Toll-free in the U.S. (866) 868-3678
- * +1(408) 235-7700.

Potential Partners

- * More Information at www.fortinet.com/partners
- * Contact us at partners@fortinet.com

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