FORTINET

BROCHURE

FortiOS™ 4.0 Software

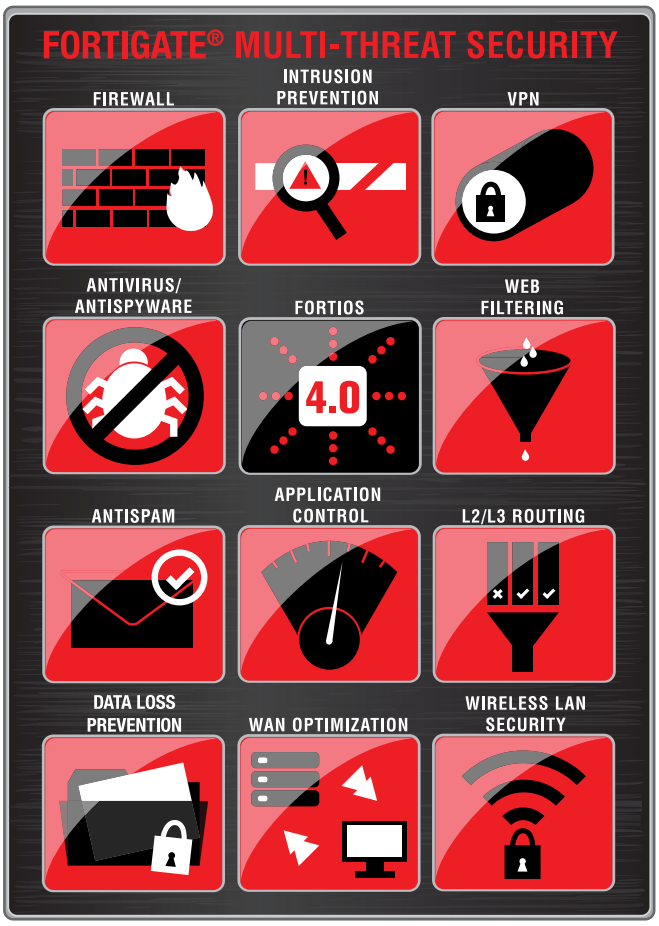
Redefining Network Security

Updated for FortiOS v4.0 MR2

FortiOS 4.0 Software—Redefining Network Security

FortiOS is a security-hardened, purpose-built operating system that is the software foundation of FortiGate multi-threat security platforms. FortiOS software enables high performance multi-threat security by leveraging the hardware acceleration provided by FortiASIC™ content and network processors. This combination of custom hardware and software gives you the best security and performance possible from a single device. FortiOS helps you stop the latest, most sophisticated, and dynamic threats facing your network today with expert threat intelligence delivered via FortiGuard® Security Subscription Services.

FortiOS 4.0 software redefines network security by extending the scope of integrated security and networking capabilities within the FortiGate multi-threat security platform. Regardless of the size of your organization, you can benefit from the most comprehensive suite of security and networking services within a single device on the market today. FortiOS 4.0 software includes a wide range of features that increase your security while reducing your operating and capital costs. FortiGate platforms combine enterprise-class firewall, IPSec VPN, SSL-VPN, intrusion prevention, antivirus, web filtering, antispam, and Layer 2/3 routing services. The latest release also adds Data Loss Prevention (DLP), WAN optimization, application control, SSL-encrypted traffic inspection, endpoint Network Access Control (NAC), enhanced VoIP Security, and Vulnerability Management capabilities. FortiOS 4.0 software delivers on its mission to enable secure business communications while offering the best performance and lowest cost of ownership.



Enhanced Security

Fortinet designed FortiOS 4.0 security services from the ground up to deliver integrated performance and effectiveness that standalone products simply cannot match. The services work together as a system, acting in tandem to provide you with better visibility and the ability to stop threats against your network and applications as early as possible, before damage can occur.

Improved Value

FortiOS 4.0 software provides you with access to security services that you may have considered cost-prohibitive or overly complex to deploy individually. Moreover, the new features of FortiOS 4.0 software are available at no additional cost for every eligible FortiGate device with an active maintenance contract.

Simplified Management

FortiOS 4.0 software consolidates your security infrastructure and simplifies your management requirements, lowering your costs and reducing the workload of your IT staff. It dramatically reduces the complexity of deploying defense-in-depth compared with stand-alone products. You have the flexibility of a unified policy at the device level and an appliance-based centralized management platform for large deployments. Fortinet even offers a service-based management solution for smaller organizations to further simplify security management, fully integrated with FortiOS 4.0 software.

"Changing business processes and threats are driving new requirements for network security. Increasing bandwidth and new application communication (such as Web 2.0) are changing how protocols are used and how data is presented. Software as a service is moving critical data off-site, and an increasing reliance on critical IT is pushing security in new directions."

Greg Young and John Pescatore, Gartner, Magic Quadrant for Enterprise Firewalls, November 2008.

FortiOS 4.0 Software—Raising The Bar

Fortinet continues to increase the breadth and depth of security and networking services included in the FortiOS purpose-built operating system. By adding new functionality and enhancing the performance of existing services, FortiOS software continues to demonstrate why it remains the gold standard for multi-threat security. In the past, the only way organizations could deploy these technologies was by adding more stand-alone products, which also increased deployment, configuration, and management costs.

Antivirus

FortiOS gives you the choice of up to four options for protection from malware. In addition to three proxy-based antivirus databases, FortiOS also now includes a high-performance flow-based antivirus option. The new flow-based option scans files as they pass through the device, allowing you to scan files of any size and still maintain the highest levels of performance. By providing you the flexibility to choose your antivirus engine, you can balance your performance and security requirements for your environment.

Data Loss Prevention (DLP)

It is imperative for you to control the vast amount of confidential, regulated, and proprietary data traversing your network, and keep it within defined network boundaries. Working across multiple applications (including those encrypting their communications), DLP uses a sophisticated pattern-matching engine to identify and then prevent the communication of sensitive information outside the network perimeter. In addition to protecting your organization's critical information, DLP also provides audit trails for data and files to aid in policy compliance. You can use the wide range of configurable actions to log, block, and archive data, as well as ban or quarantine users.

WAN Optimization

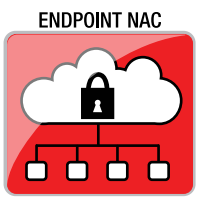
With WAN Optimization, you can accelerate applications over your wide area links while ensuring multi-threat security enforcement. FortiOS 4.0 software not only eliminates unnecessary and malicious traffic as one of its core capabilities, it also optimizes legitimate traffic by reducing the amount of communication and data transmitted between applications and servers across the WAN. This results in improved performance of applications and network services, as well as helping to avoid additional higher-bandwidth provisioning requirements.

Application Control

Application control enables you to define and enforce policies for thousands of applications running on your endpoints, regardless of the port or the protocol used for communication. Application classification and control is essential to manage the explosion of new web-based applications bombarding networks today, as most application traffic looks like normal web traffic to traditional firewalls. Fortinet's application control technology identifies application traffic and then applies security policies easily defined by the administrator. The end result is more flexible and granular policy control, with deeper visibility into your network traffic.

SSL-Encrypted Traffic Inspection

SSL-Encrypted Traffic Inspection protects clients and web and application servers from malicious SSL-encrypted traffic, to which most security devices are often blind. SSL Inspection intercepts encrypted traffic and inspects it for threats, prior to routing it to its final destination. SSL Inspection applies to both client-oriented SSL traffic (such as users connecting to an SSL-encrypted hosted CRM site) and inbound traffic destined an organization's own web and application servers. You now have the ability to enforce appropriate use policies on inappropriate encrypted web content, and protect servers from encrypted intrusion attempts and other encrypted attacks.



Endpoint Network Access Control (NAC)

Endpoint NAC enforces the use of the FortiClient Endpoint Security application (either Standard or Premium editions) on your network. It verifies the installation of the most recent version of the FortiClient application, up-to-date antivirus signatures, and enabled firewall before allowing the traffic from that endpoint to pass through the FortiGate platform. You also have the option to quarantine endpoints running applications that violate policies and require remediation.

FortiOS Security Services

FIREWALL
- ICSA Labs Certified (Enterprise Firewall)
- NAT, PAT, Transparent (Bridge)
- Policy-Based NAT
- VLAN Tagging (802.1Q)
- User Group-Based Authentication & Scheduling
- SIP/H.323 /SCCP NAT Traversal
- WINS Support
- Explicit Proxy Support (incl. Citrix/TS Support)
- VoIP Security (SIP Firewall / RTP Pinholing)
- IPv6 Support (NAT / Transparent mode)
- Identity/Application-Based Policy

VIRTUAL PRIVATE NETWORK (VPN)
- ICSA Labs Certified (IPSec/SSL-TLS)
- PPTP, IPSec, and L2TP + IPSec Support
- SSL-VPN Concentrator (incl. iPhone client support)
- DES, 3DES, and AES Encryption Support
- SHA-1/MD5 Authentication
- PPTP, L2TP, VPN Client Pass Through
- Hub and Spoke VPN Support
- IKE Certificate Authentication (v1 & v2)
- IPSec NAT Traversal
- Automatic IPSec Configuration
- Dead Peer Detection
- RSA SecurID Support
- SSL Single Sign-On Bookmarks
- SSL Two-Factor Authentication
- LDAP Group Authentication (SSL)

ANTIVIRUS
- ICSA Labs Certified (Gateway Antivirus)
- Includes Antispyware and Worm Prevention
- Protocols: HTTP/HTTPS, SMTP/SMTPS, POP3/POP3S, IMAP/IMAPS, FTP, Major IM Protocols
- Flow-Based Antivirus Scanning Mode
- Automatic "Push" Content Updates
- File Quarantine Support
- IPv6 Support
- Databases: Standard, Extended, Extreme, and Flow

WEB FILTERING
- 76 Unique Content Categories / 2+ Billion Unique URLs
- HTTP/HTTPS Filtering
- Web Filtering Time-Based Quota
- URL/Keyword/Phrase Block
- URL/Category Exempt
- Blocks Java Applet, Cookies, Active X
- MIME Content Header Filtering
- IPv6 Support

APPLICATION CONTROL
- Identifiy and Control Over 1000 Applications
- Traffic-Shaping (Per Application)
- Control Popular IM/P2P Apps Regardless of Port/Protocol:

AOL-IM	Yahoo	MSN	KaZaa
ICQ	Gnutella	BitTorrent	MySpace
WinNY	Skype	eDonkey	Facebook

INTRUSION PREVENTION SYSTEM (IPS)
- ICSA Labs Certified (NIPS)
- Protection From Over 3000 Threats
- Protocol Anomaly Support
- Custom Signature Support
- Automatic Attack Database Update
- IPv6 Support

DATA LOSS PREVENTION (DLP)
- Identification and Control of Sensitive Data in Motion
- Built-in Pattern Database
- RegEx-based Matching Engine for Customized Patterns
- Configurable Actions (block/log)
- Supports IM, HTTP/HTTPS, and More
- Many Popular File Types Supported
- International Character Sets Supported

ANTISPAM
- Support for SMTP/SMTPS, POP3/POP3S, IMAP/IMAPS
- Real-Time Blacklist/Open Relay Database Server
- MIME Header Check
- Keyword/Phrase Filtering
- IP Address Blacklist/Exempt List
- Automatic Real-Time Updates From FortiGuard Network

ENDPOINT COMPLIANCE AND CONTROL
- Monitor & Control Hosts Running FortiClient Endpoint Security
- Vulnerability Scanning of Network Nodes

FortiOS Networking Services

NETWORKING/ROUTING
- Multiple WAN Link Support
- PPPoE Support
- DHCP Client/Server
- Policy-Based Routing
- Dynamic Routing for IPv4 (RIP, OSPF, IS-IS, BGP, & Multicast protocols)
- Dynamic Routing for IPv6 (RIP, OSPF, & BGP)
- Multi-Zone Support
- Route Between Virtual LANs (VLANs)
- Multi-Link Aggregation (802.3ad)
- VRRP and Link Failure Control
- sFlow Client

TRAFFIC SHAPING
- Policy-based Traffic Shaping
- Application-based and Per-IP Traffic Shaping
- Differentiated Services (DiffServ) Support
- Guarantee/Max/Priority Bandwidth
- Shaping via Accounting, Traffic Quotas, and Per-IP

VIRTUAL DOMAINS (VDOMs)
- Separate Firewall/Routing Domains
- Separate Administrative Domains
- Separate VLAN Interfaces

DATA CENTER OPTIMIZATION
- Web Server Caching
- TCP Multiplexing
- HTTPS Offloading
- WCCP Support

HIGH AVAILABILITY (HA)
- Active-Active, Active-Passive
- Stateful Failover (FW and VPN)
- Device Failure Detection and Notification
- Link Status Monitor
- Link failover
- Server Load Balancing

WAN OPTIMIZATION
- Bi-Directional / Gateway to Client/Gateway
- Integrated Caching and Protocol Optimization
- Accelerates CIFS/FTP/MAPI/HTTP/HTTPS/Generic TCP
- Requires a FortiGate device with Hard Drive

FortiOS Management Services

MANAGEMENT/ADMINISTRATION OPTIONS
- Web UI (HTTP/HTTPS), Telnet / Secure Command Shell (SSH), and Command Line Interface (CLI)
- Role-Based Administration
- Multi-language Support: English, Japanese, Korean, Spanish, Chinese (Simplified & Traditional), French
- Multiple Administrators and User Levels
- System Software Rollback
- Configurable Password Policy
- Customizable Dashboard Widgets (Web UI)
- Central Management via FortiManager (optional)

LOGGING/MONITORING/VULNERABILITY MGMT
- Network Vulnerability Scanning
- Graphical Report Scheduling Support
- Graphical Real-Time and Historical Monitoring
- Local and Remote Syslog/WELF server logging
- SNMP Support
- Email Notification of Events
- VPN Tunnel Monitor
- Optional FortiAnalyzer Logging (including per-VDOM)
- Optional FortiGuard Analysis and Management Service

FIREWALL USER AUTHENTICATION OPTIONS
- Local Database
- Windows Active Directory (AD) Integration (w/ FSAE)
- External RADIUS/LDAP/TACACS+ Integration
- Xauth over RADIUS for IPSEC VPN
- RSA SecurID Support
- LDAP Group Support

FortiGuard® Security Subscription Services deliver dynamic, automated updates for Fortinet products. The Fortinet Global Security Research Team creates these updates to ensure up-to-date protection against sophisticated threats. Subscriptions include antivirus, intrusion prevention, web filtering, antispam, vulnerability management, web application firewall, and database security services.

FortiCare™ Support Services provide global support for all Fortinet products and services. FortiCare support enables your Fortinet products to perform optimally. Support plans start with 8x5 Enhanced Support with hardware return for replacement or 24x7 Comprehensive Support with advanced replacement. Options include Premium Support, Premium RMA, and Professional Services. All hardware products include a 1-year limited hardware warranty and 90-day limited software warranty.

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