

McAfee Firewall Enterprise Virtualization Solutions

Reduce energy costs, recover rack space, and add flexibility to your firewall infrastructure



Today's enterprise data centers are increasingly turning to virtualization technologies in response to sky-rocketing energy costs, corporate cost-reduction efforts, and the requirement to efficiently utilize both physical space and network resources. To meet these challenges and to assist organizations with their consolidation and cost-reduction efforts, the unparalleled security you're accustomed to in McAfee Firewall Enterprise (Sidewinder) is now available in two additional delivery formats, leveraging VMware's ESX Server virtualization technology.

The first is McAfee Firewall Enterprise, Virtual Appliance. The second is McAfee Firewall Enterprise, Multi-Firewall Edition, provided in partnership with VMware.

McAfee Firewall Enterprise, Virtual Appliance

The firewall for the "virtual world," McAfee Firewall Enterprise, Virtual Appliance enables you to take advantage of your existing VMware VIB infrastructure and run the firewall as a virtual appliance installed on ESX Server. Conveniently licensed on a per ESX Server basis to encourage virtualization and consolidation efforts and accelerate return on investment, the Firewall Enterprise, Virtual Appliance provides security oversights to your virtualization efforts:

- Enables inter-VM access control policies
- Delivers IPS inspection of traffic within the ESX Server
- Improves audit capabilities, facilitates separation and controls
- Facilitates evaluation and testing of McAfee Firewall Enterprise configurations and deployments

The Firewall Enterprise, Virtual Appliance leverages McAfee TrustedSource™ reputation technology as well as Geo-Location, which provides policy enforcement based on network traffic's country of origin. It also includes McAfee Firewall Reporter and the following add-on options for integrated, multi-layer security:

- McAfee Firewall Enterprise Anti-Virus
- McAfee Firewall Enterprise Intrusion Prevention
- McAfee SmartFilter for URL filtering
- McAfee Firewall Enterprise Encrypted Filtering for SSL decryption

McAfee Firewall Enterprise, Multi-Firewall Edition

For customers who want both the consolidation benefits of virtual firewalls and the simplicity of a turnkey physical appliance, the McAfee Firewall Enterprise, Multi-Firewall Edition is the perfect solution. Designed to support data center consolidation projects and multi-tenant environments, the Multi-Firewall Edition appliance models come pre-installed with:

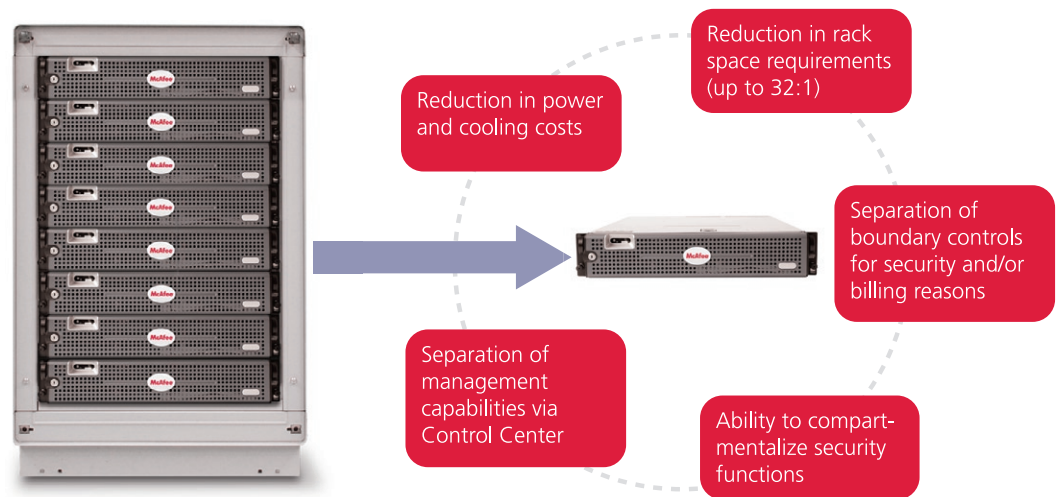
- Either 8, 16 or 32 virtual firewalls
- VMware ESX Server
- A virtual instance of McAfee Firewall Enterprise Control Center
- McAfee Firewall Reporter

With McAfee Firewall Enterprise, Virtualization Solutions, You Can:

- Reduce energy costs with lower electricity and cooling requirements
- Recover data center rack space, maximizing existing facilities and footprints
- Add flexibility to your firewall infrastructure, securing virtual environments and enabling network segmentation and multi-tenant reporting

McAfee Firewall Enterprise add-on options, such as anti-virus, intrusion prevention, SSL decryption and SmartFilter URL filtering are available separately.

McAfee Multi-Firewall Edition appliances support multi-tenant requirements. Each virtual firewall can be managed individually, enabling administrators to configure policies and direct traffic flow for specific departments or groups as necessary—and then report usage to those organization owners as required. Each virtual firewall has dedicated system resources and can be maintained at different version levels for operational and maintenance efficiencies. In other words, updating patches doesn't require you to take down all your virtual firewalls simultaneously.



Achieve the same security with less space and cost with McAfee Firewall Enterprise, Multi-Firewall Edition appliances

About McAfee Firewall Enterprise (Sidewinder)

McAfee Firewall Enterprise appliances combine industry-leading protection with centralized management and reporting to minimize the burden on your administrators. The first and only firewall with reputation-based global intelligence, Firewall Enterprise delivers encrypted traffic inspection, intrusion-prevention, anti-virus, and content filtering to block attacks before they occur.

Highlights of McAfee Firewall Enterprise

- Eases management with centralized policy optimization and administration, software updates, monitoring, and reporting
- Global, reputation-based threat intelligence blocks attacks before they occur
- Provides superior protection with application visibility and control—without compromising on performance
- A trusted and proven solution, securing the most critical and sensitive networks in the world

The Firewall Enterprise product line includes appliances appropriate for businesses of all sizes, as well as companion products such as McAfee Firewall Profiler, McAfee Firewall Enterprise Control Center, and McAfee Firewall Reporter to streamline management activities and reduce operational costs. In addition to physical appliances, multi-firewall appliances, and virtual appliances, rugged-use delivery options are also available. Ask for individual product datasheets for more information.

McAfee Firewall Enterprise, Multi-Firewall Edition is currently available in 3 models:

- McAfee Firewall Enterprise 2150 VX-32, with 32 virtual firewalls
- McAfee Firewall Enterprise 2150 VX-16, with 16 virtual firewalls
- McAfee Firewall Enterprise 2150 VX-08, with 8 virtual firewalls

Hardware Specs	2150 VX-32	Virtual Appliance
Form factor	Enterprise 2U	Virtual Appliance, loads on ESX Server (not included)
RAID	RAID 5	N/A
Power supply	Dual	N/A
Copper interfaces (base/max)	20 – GB	Interface and performance options are dependent on the underlying hardware
Fiber interface option (max)	N/A	Interface and performance options are dependent on the underlying hardware
10 GB interface option (max)	Yes	Interface and performance options are dependent on the underlying hardware
SSL/HTTPS decryption and filtering	Yes, add-on	Yes, included
Regulatory compliance	FCC (U.S. only) Class B, ICES (Canada) Class B, CE Mark (EN 55022 Class B, EN55024, EN61000-3-2, EN61000-3-3), VCC (Japan) Class B, BSMI (Taiwan) Class A, C-Tick (Australia/New Zealand) Class B, SABS (South Africa) Class B, CCC (China) Class B, MIC (Korea) Class B, UL 60950, CAN/CSA C22.2 No. 60950, IEC 60950	N/A for virtual appliance, as depends on the physical hardware
Performance	2150 VX-32	Virtual Appliance
Packet filtering throughput (TCP)	3.1 Gb/s	275 Mbps*
Stateful throughput	2.9 Gb/s	250 Mbps*
Concurrent connections	1,600,000	100,000*
Application filtering throughput	2.2 Gb/s	230 Mbps*
IPSec VPN throughput	350 Mb/s	160 Mbps*



Dimensions, Weight, Environmental	2150 VX-32	Virtual Appliance
Width	17.50 in 44.43 cm	N/A
Depth	29.31 in 74.40 cm	N/A
Height	3.40 in 8.64 cm	N/A
Weight	57 lbs 28.85 kg	N/A
Power supply details	Dual 750 W 110/220 V	N/A
Operating temperature	10° C – 35° C 50° F – 95° F	N/A

* Actual performance depends on underlying hardware

