



McAfee Next Generation Firewall

License options and functional roles

Today's dynamic networks and virtualized data center environments require highly flexible and scalable security solutions that can support aggressive business growth plans and urgent compliance initiatives. McAfee® Next Generation Firewall easily adapts to organizational security business needs without disruptive “forklift” upgrades. Three different modes of operation—firewall/VPN, layer 2 firewall, and IPS mode—provide flexible deployment of security functionality when and where you need it. Automated configuration and provisioning from a centralized management console enable rapid installation and redeployment.

License Options

Two separate licenses are available to address both flexibility and budgetary requirements:

- **McAfee Next Generation Firewall (NGF) license:** Supports organizations requiring multiple operating roles with full throughput, virtual contexts, antivirus, and full deep packet inspection.
- **McAfee Firewall (FWL) license:** Supports organizations requiring only one operating role with some throughput and inspection limitations.

Feature Descriptions

Antivirus

Virus infections can impact users, slow networks, and increase administrative overhead. Proven McAfee antivirus technology scans FTP, HTTP, HTTPS, and email traffic to discover and block malicious files. McAfee antivirus protection includes:

- File-based inspection.
- Local signature database.
- Automatic real-time updates.

Antispam

Unwanted email clogs user inboxes, reduces productivity, and increases email storage requirements. McAfee antispam technology filters Internet SMTP traffic for unwanted advertising, spam, and scams. Granular policy controls keep inboxes free of spam and help to reduce email storage volume. McAfee antispam protection includes:

- Scoring-based spam detection.
- Customizable email envelope/header/content matching.
- Local anti-spoofing and relay.
- Honeypot filtering.
- SPF/MX record matching.
- DNS-based blacklisting.

URL filtering

Exposure to malicious and inappropriate website content can infect host devices and violate human resource policies. HTTP deep packet inspection can be augmented with URL category-based filtering to protect users, mitigate risk, and reduce liability.

McAfee URL filtering includes:

- Webroot URL filtering based on 82 categories.
- Blacklist/whitelist filtering.
- More than 280 million top-level domains and sub-pages (billions of URLs).
- Support for more than 43 languages.

McAfee Firewall (FWL) Subscription Bundle

URL filtering, antivirus, and antispam features are also available for the McAfee Firewall (FWL) license as an all-inclusive bundle.

McAfee License Type	Next Generation Firewall (NGF)			Firewall (FWL)
	Functional Role When Deployed	Firewall/VPN (Layer 3)	Layer 2 Firewall	IPS Mode (Layer 2)
Available Features (■ = included with license; + = additional subscription)				
Layer 2 access control		■	■	
Layer 3 access control	■	■	■	■
Layer 7 access control	■	■	■	■
Application and user control	■	■	■	■
File reputation	■	■	■	■
McAfee Advanced Threat Defense integration	■	■	■	■
Dynamic context detection	■	■	■	■
Evasion and anomaly detection	■	■	■	■
Standard inspection ¹	■	■	■	■
High-performance full inspection ²	■	■	■	+
Custom fingerprinting	■	■	■	■
Event correlation	■	■	■	■
Traffic management and quality of service	■	■	■	■
URL filtering	+	+	+	+
Antivirus	■	■	■	+
Antispam	■			+
High availability/clustering	■	■	■	■
Virtual contexts ³	■	■	■	
Static and dynamic routing	■			■
Network address translation	■			■
McAfee Multi-Link	■			■
Site-to-site VPN (IPsec)	■			■
Client-based VPN (IPsec, SSL VPN)	■			■ (IPsec only)
Unlimited concurrent VPN clients	■	■	■	+
Authentication	■			■
Server load balancing	■			■
IDS monitoring			■	
Fail-open interfaces			■	

Table 1. License Options and Functional Roles.

1. Includes HTTP(S), IMAP(S), POP3(S), DNS, SIP, and SMTP protocol inspection.
2. Adds FTP, SSH, NBT, SMB, SMB2, MSRPC, and TFTP protocol inspection.
3. Number of virtual contexts included varies with appliance model (see specification sheet). Additional virtual contexts available with subscription.

