

# McAfee Web Protection

## Web security your way—cloud, on premises, or a hybrid combination

From web filtering and anti-malware scanning to deep content inspection and granular control over how cloud applications are used, McAfee® Web Protection delivers the security, controls, and deployment flexibility needed for enterprise security. Whether you are looking for the control of an on-premises solution, the unlimited scale and low cost of a cloud service, or a hybrid combination of the two, McAfee Web Protection empowers you to deploy web security the way that best fits your current and changing needs.

As the web continues to grow and evolve, web-borne malware attacks grow and evolve as well, threatening endpoints and critical data. As the level of risk continues to increase, organizations are demanding the best web security available to battle such growth. McAfee understands the security needs of today's cloud-connected world and offers comprehensive web security for the threat-defense oriented enterprise.

### On Premises, Cloud, or Hybrid

For the ultimate in deployment flexibility and to help future-proof your investment, McAfee offers all features of **McAfee Web Gateway** and **McAfee Web Gateway Cloud Service** in a single solution: **McAfee Web Protection**. Deploy on premises with a scalable

family of dedicated hardware or virtual appliances, deploy as a cloud service, or combine both options for enterprise-class flexibility and availability. For example, organizations can use hardware or virtual appliances to protect employees at corporate headquarters and the cloud service to protect remote or traveling employees. Branch offices can also route their entire site's traffic to the cloud service, reducing the cost of multiprotocol label switching (MPLS) networks that typically backhaul all public-facing web traffic to a central location for processing. You'll get award-winning McAfee anti-malware protection and comprehensive web filtering with every option. Synchronized policy management from on premises to cloud ensures consistent rules-based policy across all platforms.

### Key Advantages

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#### Ultimate flexibility

- All the features of McAfee Web Gateway appliance software and McAfee Web Gateway Cloud Service in a single subscription.
- Address current needs today, with the freedom to change in the future.
- Predictable user-based subscription pricing, regardless of deployment method.

#### Advanced security

- McAfee Web Protection uses the McAfee Gateway Anti-Malware Engine to stop zero-day malware in real time, which includes a patented approach to behavioral analysis.
- Integration to McAfee Endpoint Security, McAfee Advanced Threat Defense, McAfee Cloud Threat Detection, McAfee Threat Intelligence Exchange, McAfee Cloud Data Protection, and McAfee Cloud Visibility—Community Edition.

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### Cloud Infrastructure

Infrastructure-as-a-service (IaaS) technology, such as Amazon Web Services (AWS), provide dynamic enterprise scalability and nearly unlimited resources. Security professionals need to ensure their web security can both run in that environment and secure cloud workloads. McAfee Web Gateway customers have the flexibility of deploying within AWS as a forward proxy, reverse proxy, or even as an Internet Content Adaptation Protocol (ICAP) server to protect endpoints, data, and applications. This allows organizations to route higher risk traffic to advanced anti-malware engines. It also provides the ability to check data flows for potentially sensitive information—either with the McAfee Web Gateway Data Loss Protection capability or by leveraging an existing data protection solution.

### Advanced Security

McAfee Web Protection layers numerous threat detection technologies to provide advanced protection from zero-day and known threats. This enables McAfee Web Protection to optimize security on a single platform with multiple complementary technologies—something many organizations want for their layered security approaches. Deep content inspection even scans Zip files, PDFs, and graphics, looking for hidden malware. Independent researchers have awarded McAfee web security solutions top scores for accurately detecting and blocking up to 99% of malware.

Our advanced, layered protection includes:

- **Comprehensive signature-based antivirus protection with real-time lookups:** Leading-edge

virus detection and McAfee Global Threat Intelligence (McAfee GTI) file reputation with real-time look-up capabilities allows us to close the gap between virus discovery and system protection.

- **McAfee GTI with web reputation and web categorization:** McAfee Web Protection delivers enhanced web filtering functionality and security through the powerful combination of both reputation and category-based filtering. McAfee GTI powers McAfee Web Protection filtering technologies and creates a profile of all internet entities—websites, email, and IP addresses—based on hundreds of different attributes gathered from the massive, global data collection capabilities of McAfee Labs. It then assigns a reputation score based on the security risk posed, enabling administrators to apply granular rules about what to permit or deny—and continues to monitor those entities over time. Dynamic content categorization analyzes the content of a previously unknown website and determines if it belongs to an undesirable category (gambling, pornography, games, and others).
- **Behavioral analysis that opens content in real time for zero-day prevention:** McAfee Web Protection uses a patented approach to zero-day day malware prevention that integrates machine learning intelligence into real-time behavior emulation as web traffic passes through. By scanning a web page's active content, emulating its behavior, and predicting its intent, McAfee Web Protection proactively protects against zero-day and targeted attacks before they reach endpoint systems.

### Complete inbound and outbound protection

- Enforces an organization's internet use policy with an infinitely customizable rule-based policy engine.
- Layered security provides immediate, effective protection against malware and other hidden threats.
- Mobile filtering for remote users, including laptops, Apple iOS, and Google Android devices.
- Thousands of cloud application controls.



Figure 1. McAfee Web Protection enables ultimate deployment flexibility. Deploy on premises with appliances or in a virtual environment, in the cloud, or combine options for added deployment flexibility and high availability—the choice is yours.

### Cloud Application Control

One effect of the shift to cloud applications is the increased potential for Shadow IT. Security professionals that fail to track unapproved cloud applications risk data leakage and potential financial loss. McAfee Web Protection provides complete visibility into all web traffic and includes thousands of cloud application controls that can be used to manage or restrict access using business criteria, such as application risk or user profile.

### Protection Everywhere

As the workforce becomes more distributed and mobile, the need for web filtering and protection that can seamlessly transition from the office to the road becomes increasingly important. McAfee Web Protection customers can take advantage of McAfee Client Proxy, included with McAfee Web Protection and McAfee Endpoint Security, to both protect and control web access for off-network users. This integrated, gateway-

### The Growing Threat Landscape

Today's web threats come in all shapes and sizes and are delivered in multiple ways—spam and phishing email links, malvertising, social media, and seemingly benign files that your employees use every day. McAfee Web Protection has you covered from every angle.

- 70% to 90% of malware samples are unique to an organization.
- McAfee Labs identifies more than 300 new pieces of malware every minute, or about 5 per second.<sup>1</sup>

1. McAfee Labs

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aware solution intelligently routes web traffic to a McAfee Web Protection solution—either on premises or in the cloud, depending on user location—for full policy enforcement. Through integration with mobile device management partners AirWatch and MobileIron, enterprises can secure Apple iOS and Google Android devices through the same web security policy as any other device in their ecosystem.

### Unified Reporting

The widely utilized and highly praised enterprise security management platform, McAfee® ePolicy Orchestrator® (McAfee ePO™) software, is the reporting solution for McAfee Web Protection. As the single source for consolidated information, the McAfee ePO platform helps you quickly identify and mitigate problems and improve compliance management. McAfee ePO software provides detailed web reporting through the McAfee Content Security Reporter extension.

McAfee Content Security Reporter enables organizations to aggregate data across on-premises and cloud McAfee Web Protection delivery platforms for a unified reporting infrastructure. It gives you the information and tools you need to understand how your organization is using the web and helps you comply with regulations, identify trends, isolate problems, document inappropriate web activity, and tailor your filtering settings to enforce your web usage policies. It combines dashboard views and drilldowns into web traffic with powerful offline processing—everything you need in one easy-to-use solution. McAfee Content Security Reporter offers an external, stand-alone report server designed to offload resource-intensive data processing and storage from the existing McAfee ePO software server, enabling it to scale to meet the reporting needs of even the largest global corporations.

For more information visit [www.mcafee.com/webprotection](http://www.mcafee.com/webprotection).



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