



McAfee Public Cloud Server Security Suite

Comprehensive server security for users of the public cloud

Key Advantages

The McAfee Public Cloud Server Security Suite delivers these capabilities:

- Visibility of elastic cloud server instances as they emerge and retire. Discovery of server instances in the public cloud with McAfee Data Center Connectors to help deliver unified policy configuration and enforcement, even in organizations faced with shadow IT challenges.
- Protection of server instances with a unique combination of antivirus, host-based firewall, application whitelisting, intrusion protection, and data protection technologies across all public cloud implementations running in either Microsoft Windows or Linux environments.
- Management of security policies for server instances in the public cloud to ensure extension of best practices, all from a unified management platform.

As enterprises are shifting their data center strategy to include and often lead with the public cloud server instances, they are mindful that the shared security model for protection is a key consideration. Public cloud providers, like Amazon Web Services (AWS) and Microsoft Azure, protect the perimeter, and users must secure the content. But how can forward-thinking enterprises protect against zero-day and advanced persistent threats while keeping costs in line with their cloud strategy?

McAfee® Public Cloud Server Security Suite delivers comprehensive security to help extend and manage security policies for servers in the public cloud. McAfee Public Cloud Server Security Suite delivers the ability to gain visibility into server instances in the public cloud, deploy comprehensive protection with a powerful combination of blacklisting and whitelisting technologies, and dynamically manage this environment in concert with their desktop, mobile, and on-premises servers with McAfee® ePolicy Orchestrator® (McAfee ePO™) software.

Optimized for the Public Cloud

Security-minded IT professionals need to manage risks in order to provide the same level of confidence in data in the cloud as they demand from their on-premises servers. McAfee Public Cloud Server Security Suite is optimized for cloud users with the same world-class McAfee VirusScan® Enterprise and intrusion prevention system (IPS) technologies as in our McAfee Server Security Suite Essentials and McAfee Server Security Suite Advanced.

As part of our core server protection, McAfee Public Cloud Server Security Suite offers McAfee VirusScan Enterprise as the core anti-

malware solution to protect server instances running either Microsoft Windows or Linux. Though antivirus is key to security, additional solutions are critical to protect against advanced threats. McAfee Host Intrusion Prevention for Servers safeguards businesses against complex security threats that may otherwise be unintentionally introduced or allowed.

McAfee Public Cloud Server Security Suite includes McAfee Application Control for Servers, a whitelisting solution that allows only authorized software to run on servers. This centrally managed whitelisting solution uses a dynamic trust model and innovative

security features that block unauthorized applications and foil advanced persistent threats (APTs)—without labor-intensive lists to manage. Whitelisting significantly lowers host performance impact through protection from threats without signature updates.

Supported Platforms

- Windows 2008, 2008 R2, 2012, 2012 R2
- Linux (Red Hat, CentOS, SUSE, Ubuntu, Amazon Linux)

A firewall for Linux and Windows systems prevents malware and botnets from entering and propagating throughout the cloud servers by blocking unauthorized network traffic.

Manage encryption for EBS volumes of registered AWS cloud accounts with McAfee Data Protection for the Cloud. Volumes with pre-existing data can be encrypted conveniently from McAfee ePO software. In addition, McAfee Data Protection for the Cloud integrates with Amazon's Key Management Service (KMS).

Smart Public Cloud Protection

Customers have scarce incremental resources to manage an additional security system for their cloud servers. And with short-term internal projects being assigned to public clouds without proper IT security protocol, the once robust walls of security can quickly become porous, while breach potential is

increased exponentially. McAfee Public Cloud Server Security Suite leverages the power and scalability of McAfee ePO software to identify, manage, and report across the entire server infrastructure: physical, virtual, and cloud. McAfee ePO software provides a single “pane of glass” visibility into those shadow IT instances for highly scalable, flexible, and automated centralized management and enforcement of security management policies to identify, manage, and respond to security issues and threats.

Further, as DevOps tools are proliferating, the need to work seamlessly with such tools is critical. McAfee Public Cloud Server Security Suite is designed to work seamlessly with the latest DevOps tools, such as Chef and Puppet Labs.

Budget-Minded and Flexible

Business expansion is creating additional reliance on IT to provide faster responses to infrastructure needs. Today, many IT departments meet this need by using Infrastructure-as-a-Service (IaaS) to help deliver reduced costs, greater agility, and enhanced scalability. Moreover, the move towards using



Figure 1. Single-pane-of-glass dashboard for McAfee Public Cloud Server Security Suite.

IaaS to meet growing infrastructure needs moves many companies away from utilizing CAPEX to OPEX. To fully accommodate this dynamic environment, it is essential that the pricing of security software solutions mirrors that of the underlying computing infrastructure. McAfee Public Cloud Server

Security Suite is priced by the hour, giving customers the flexibility to pay for server security in the manner that fits best with their financial objectives, while adapting to computing resource consumption within an IaaS infrastructure.

Feature	Advantage	Customer Benefits
McAfee ePO Software	Single-console environment provides comprehensive, centralized management for all Intel Security endpoint capabilities.	<ul style="list-style-type: none"> • Single-pane manageability for physical and virtual servers, including those in the private and public cloud for greater security visibility. • Simplify operational aspects and time investment for administrative staff. • AWS hierarchy of systems are logically grouped under region. • Lower hardware costs due to reduced server footprints needed.
McAfee Data Center Connectors for Amazon AWS, Microsoft Azure, and OpenStack	Full visibility of virtual servers residing in public cloud infrastructures.	<ul style="list-style-type: none"> • Discover server instances within Amazon AWS, Microsoft Azure, and OpenStack public cloud environments for full visibility of what needs to be secured. • Visibility ensures that machines are provisioned, and automatically protect these instances with security policies to ensure proper security posture. • Performance improvements for simultaneous synchronization of multiple accounts.
McAfee Data Protection for the Cloud	Manage encryption for EBS volumes of registered AWS cloud accounts.	<ul style="list-style-type: none"> • Encryption helps protect data and intellectual property from unauthorized access. • Volumes with pre-existing data can be encrypted conveniently from McAfee ePO software. • Integrates with Amazon's Key Management Service (KMS) for encryption. • Minimal performance impact with Amazon's native EBS encryption.
McAfee VirusScan Enterprise for Servers	Core anti-malware for Windows and Linux servers.	<ul style="list-style-type: none"> • Optimized for fast performance and reduced system impact to help ensure optimal server performance. • Maximum defense against malware: Safeguards systems and files from viruses, spyware, worms, Trojans, and other security risks. It detects and cleans malware, and allows users to easily configure policies to manage quarantined items. • Proactive protection from attacks: Real-time scanning ensures all systems, including remote locations, are protected from current and emerging threats. McAfee VirusScan Enterprise also guards against buffer overflow exploits that target vulnerabilities in Microsoft applications.
McAfee Host Intrusion Prevention	The IPS function offers critical, universally needed protection against known and zero-day threats.	<ul style="list-style-type: none"> • McAfee Host Intrusion Prevention safeguards business against complex security threats that may otherwise be unintentionally introduced or allowed. • The next-generation technology offers stronger protection against viruses, worms, Trojans, and other threats that can steal your critical data or stall your business. It shields your highly vulnerable applications from attacks, providing peace of mind. • Protect your devices from viruses entering through removable media, web, and remote network.

Data Sheet

McAfee Enterprise Firewall for Linux and Windows	Host-based firewall to protect a server instance from unauthorized access and attack.	<ul style="list-style-type: none">• Prevents malware from entering and propagating to server instances in the public cloud.
McAfee Application Control	Ensure that hosts are kept to a known secure footprint by preventing unwanted applications from executing.	<ul style="list-style-type: none">• Significantly lower host performance impact over traditional endpoint security mechanisms.• Protects against zero-day and APTs without signature updates, resulting in quicker time-to-protection.• Dynamic whitelisting requires lower operational overhead compared to legacy whitelisting techniques.
McAfee Change Control	Provides file integrity monitoring via continuous detection of system-level changes across distributed and remote locations.	<ul style="list-style-type: none">• Prevents tampering by blocking unauthorized changes to critical system files, directories, and configurations, saving time for administrators in troubleshooting security breaches.• Tracks and validates every attempted change in real time on the server, enforcing change policy by a time window, source, or approved work ticket.• Continuous control minimizes the impact from ad hoc or unauthorized changes.

Learn more about the benefits of McAfee Public Cloud Server Security Suite at:
www.mcafee.com/publiccloudserversecurity.

