Solution Brief

# McAfee Server Security

**Optimize security. Minimize performance impact.**

Hybrid clouds have unique security requirements that legacy security cannot meet. Since traditional security tools provide limited visibility into cloud infrastructure, how are you going to protect what you can't see? Do you sacrifice security to obtain the agility of a decentralized cloud infrastructure for supporting DevOps? Or do you have to choose between securing your virtual servers and optimizing their performance? Choose security and ensure high availability, safety for your data, and a gold star on your next compliance audit. Choose performance, and you might lock in a higher return on your technology investments, not to mention a thumbs-up from your CFO. Security or agility and performance—which will it be?

## At the Intersection of Traditional Security and Cloud Requirements

Protecting modern cloud environments with legacy security is forcing many CIOs to make exactly this decision. Security needs to be just as agile as dynamic clouds where workloads are spun up or down on demand. Traditional security tools are too static in nature to ever keep up, leaving huge gaps in cloud security. When faced with the high processing overhead that conventional physical server security controls impose on virtual systems or the high administrative overhead of multiple point solutions with no central management interface, many have simply turned off their endpoint security tools and pinned all their hopes on their perimeter defenses.

## Complex Requirements of Contemporary Server Security

Leaving mission-critical cloud servers with no onboard security is an obvious invitation to disaster, but the simple truth is that legacy security technologies were developed to protect dedicated physical systems. They have not kept pace with virtualization and do not meet the needs of today's mixed data center environments. There is now an urgent need for server and cloud workload security solutions that:

- Support cloud infrastructure visibility and auto-scale protection with dynamic cloud workloads.
- Provide optimized protection specifically designed to have minimal impact on virtual environments.
- Deliver single-console management of all security controls across the entire server environment—physical, virtual, and cloud.

## Key Advantages

- Instant discovery and control for consistent and continuous protection across physical, virtual, and cloud deployments.
- Protect your servers and cloud workloads from today's increasingly sophisticated threats with minimal impact on performance and on-demand scale in dynamic cloud environments.
- McAfee Server Security Suite Essentials provides foundational cloud workload and server protection, including optimized antivirus for virtualized environments and intrusion prevention.
- McAfee Server Security Suite Advanced is our most comprehensive suite with additional whitelisting and change control.

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## McAfee Server Security Suites

McAfee® Server Security Suite Essentials provides foundational cloud workload and server protection, including optimized antivirus and intrusion prevention. McAfee Server Security Suite Advanced is the most comprehensive cloud workload and server protection, adding advanced whitelisting to protect against zero-day threats and change control to meet regulatory requirements.

| McAfee Server Security Suite Essentials | McAfee Server Security Suite Advanced |
|---|---|
| McAfee® ePolicy Orchestrator® (McAfee ePO™) console | McAfee ePO console |
| Cloud Workload Discovery for hybrid cloud | Cloud Workload Discovery for hybrid cloud |
| Anti-malware (optimized for VMs) | Anti-malware (optimized for VMs) |
| Firewall | Firewall |
| Host intrusion prevention | Host intrusion prevention |
| | Application whitelisting |
| | File integrity monitoring |

## Cloud Infrastructure Visibility

Tracking down security gaps in your ever-expanding hybrid data center does not have to be hard thanks to Cloud Workload Discovery for hybrid cloud, a key feature of McAfee Server Security Suite Advanced and McAfee Server Security Suite Essentials. Cloud Workload Discovery for hybrid cloud, covering VMware, OpenStack, AWS, and Microsoft Azure, provides end-to-end visibility into all workloads and their underlying platforms. Insights into weak security controls, unsafe firewall and encryption settings, and indicators of compromise such as suspicious traffic lead to faster detection while McAfee ePO or DevOps tools enable quick remediation.

## Optimized Protection for Virtualized Environments

McAfee Management for Optimized Virtual Environments AntiVirus (McAfee MOVE AntiVirus) brings optimized, advanced malware protection to your virtualized desktops and servers so that you don't need to trade off security for performance. To eliminate scanning bottlenecks and delays, McAfee MOVE AntiVirus offloads scanning, configuration, and .DAT update operations from individual guest images to an offload scan server. We build and maintain a global cache of scanned files to ensure that once a file is scanned and confirmed to be clean, subsequent virtual machines accessing the file won't have to wait for a scan. Memory resource allocation for each VM decreases and can be released back to the resource pool for more effective utilization.

## Auto-Scaling

Our server and hybrid cloud security assures that dynamic cloud environments to support DevOps don't sacrifice security for agility. Our security scales elastically with cloud workloads so that you're always protected. With elastic provisioning in private clouds, McAfee MOVE AntiVirus can automatically add or remove offline scan servers from the resource pool as scanning demand fluctuates. For AWS and Azure workloads, users can configure security at the template level so that it auto-scales as workloads are spun up or down.

## Unified Management

McAfee ePO software offers single-pane management for physical and virtual servers, including those in the private and public cloud. Enjoy a stronger and more consistent security posture and lower total cost of ownership via management of your entire endpoint infrastructure with a single console. All components of the suite are tightly integrated with the McAfee ePO security management platform for efficient, centralized risk assessment, security management, and incident resolution.

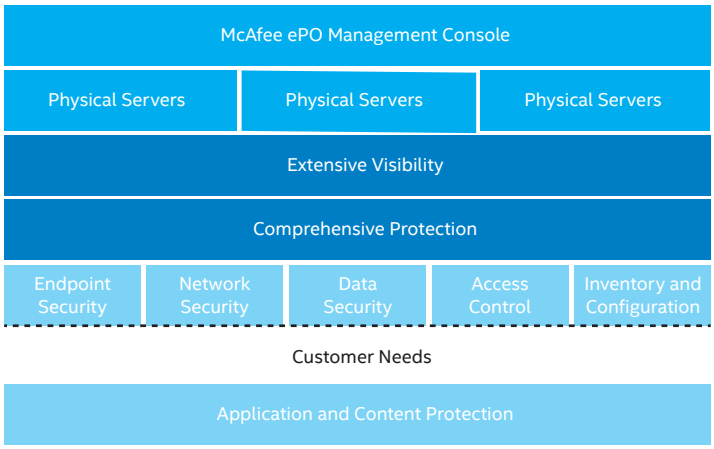


**Figure 1.** Unified management of Intel Security solutions across all clouds and servers.

## Server Security Success

McAfee Server Security Suites deliver the industry's first comprehensive solution for securing mission-critical services in today's mixed physical and virtual environments. They combine server security technologies to minimize CPU overhead, provide complete security control sets for all essential workloads, support all major virtualization environments, and centralize security management through a single administrative console. For more information, please visit McAfee online at **http://www.mcafee.com/us/products/data-center-security/server-security.aspx**.



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2821 Mission College Boulevard
Santa Clara, CA 95054
888 847 8766
www.intelsecurity.com