McAfee Application Control

Reduce risk from unauthorized applications, and gain stronger endpoint control

Companies often have a difficult time preventing endpoints and servers from deviating from corporate standards. Users may install unauthorized applications while on or off the corporate network that may introduce malware, present support issues, or create software licensing risks. With its industry-leading whitelisting technology, McAfee® Application Control ensures that only trusted applications run on servers and endpoints while permitting software updates from authorized sources. This provides IT with the greatest degree of visibility and control over endpoints and also helps enforce software license compliance. Additionally, as companies strive to extend the viability of fixed-function systems (Microsoft Windows NT legacy or low footprint), Application Control also extends an extra layer of protection without impacting system performance.

Key Advantages

- Greater visibility and control of applications on endpoints and servers
- Extends the business viability of fixed function systems
- Low cost of ownership because dynamic whitelisting eliminates manual effort of maintaining databases, rules, and updates
- Low overhead software solution that runs transparently on endpoints
- Increased business availability and continuity
- Well suited for point-of-sale terminals in retail environments, imaging devices in healthcare, and legacy, fixed-function Microsoft Windows NT and Windows 2000 systems

Today's IT departments face tremendous pressure to ensure that endpoints and servers comply with the security policies, operating procedures, and regulations with fewer resources. End users can unintentionally introduce software that poses a risk to the business. Businesses of all sizes need an efficient way to standardize endpoints and servers to ensure that they are running approved software without impacting end-user productivity.

Prevent Use of Unauthorized Applications

McAfee Application Control augments traditional security solutions, enabling IT to allow only approved software to run and to easily block unauthorized or vulnerable applications that may compromise servers and endpoints—without imposing operational overhead.

Our dynamic whitelisting technologies trust model eliminates the manual and costly support associated with other whitelisting technologies as no databases, rules, or updates are needed.

Business Efficiency in a Controlled Environment

IT departments can adopt flexible corporate policies where trusted applications can be securely deployed to endpoints and servers from a repository as needed, or a standard image can be enforced. Centralized administration reduces IT overhead while maintaining the highest levels of security and business availability.

Increase Control over Fixed-Function Systems

In regulated industries such as retail, healthcare, and critical infrastructure, devices such as point-of-sale (POS) terminals, customer service terminals, and legacy Microsoft Windows NT systems perform critical functions and often store sensitive data.

McAfee Application Control is ideal for extending a layer of protection to systems that are fixed function in terms of CPU or memory resources. Its low overhead footprint does not impact system performance, requires very low initial and ongoing operational overhead, and is equally effective in standalone mode without network access

Tight, Central Control over POS Terminals

Once a POS terminal has been validated against a baseline, unauthorized programs or system changes can be blocked to protect the integrity of data and availability of these systems.

Secure Medical Devices

The unique combination of a small footprint and dynamic whitelisting helps reduce the number of in-field breakage incidents on imaging devices otherwise caused by unauthorized changes.

Specifications

Operating systems (OS)
- Microsoft Windows NT
- Microsoft Windows 2000/2003/2008
- Microsoft Windows XP/Vista
- Microsoft Windows XPE
- Microsoft Windows XP/Vista (64-bit)
- Microsoft Windows 2003/2008 (64-bit)
- Microsoft Windows CE 6.0
- Linux RHEL 3/4/5
- CentOS 4/5
- SuSE EL 9/10
- Oracle EL 5
- Solaris 8/9/10

VMware hypervisors
- ESX 3.0.x/3i/3.5
- Virtual Center
- VMware Server 2.0

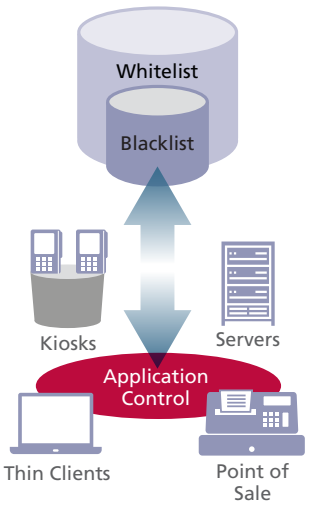

Figure 1. McAfee Application Control extends a layer of protection to fixed-function devices such as kiosks, POS terminals, and legacy platforms to reduce customer risk exponentially.

Protect Critical Infrastructure

By preventing unauthorized software from downloading or executing, mission-critical devices and servers, such as power systems and supervisory control and data acquisition (SCADA) devices can be shielded from cyberattack.

Dynamic Whitelisting via a Trust Model

Leveraging a trusted source model, McAfee Application Control eliminates the need for IT administrators to manually maintain lists of approved applications. Only authorized software is allowed to run, and it cannot be tampered with.

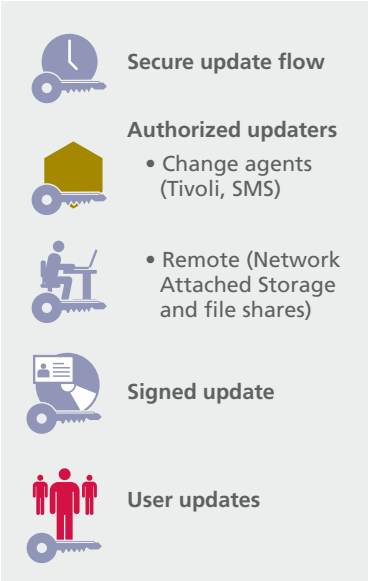

Figure 2. Secure update flow.

Key Features

- Automatically accepts new software added through authorized process
- Prevents execution of all unauthorized software, scripts, and dynamic link libraries (DLLs) and further defends against memory exploits
- Easily accommodates existing change processes across connected or disconnected servers and endpoints
- Administrators with physical or remote access to the machine cannot override protection
- Centralized administration further alleviates IT overhead
- McAfee Application Control is a low overhead software solution
- Easy setup and low initial and ongoing operational overhead
- Minimal impact on CPU cycles and uses less than 10 MB of RAM
- No file system scanning that could impact system performance
- Designed to work in disconnected or "offline mode"

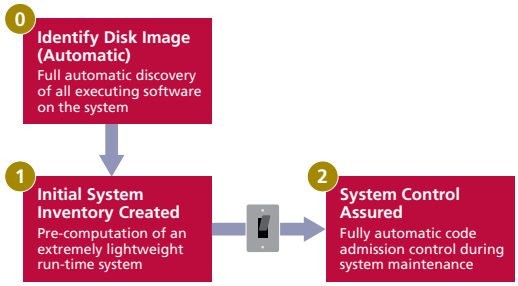

Figure 3: How dynamic whitelisting works.

Integration and Compatibility with McAfee Solutions

McAfee Application Control integrates seamlessly with McAfee Change Control to deliver stronger enforcement and compliance to system IT controls. Change Control provides change prevention and real-time integrity monitoring to minimize drift from corporate systems standards for compliance.

McAfee Total Protection for Endpoint customers will also benefit from enhanced control of endpoints and servers. Application Control complements the behavioral and signature-based protection delivered by McAfee Host Intrusion Prevention by eliminating unauthorized software to the enterprise environment.

McAfee Application Control has been designed to operate in a variety of network topologies and firewall configurations.

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