McAfee
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McAfee Application Control

Reduce risk from unauthorized applications and gain stronger control of endpoints, servers, and fixed devices

Key Advantages

- Protect against zero-day and advanced persistent threats without signature updates
- Strengthen security and lower ownership costs with dynamic whitelisting
- Efficiently control application access with McAfee ePO software's centralized management platform
- Reduce patch cycles through secure whitelisting and advanced memory protection
- Enforce controls on connected or disconnected servers, virtual machines (VMs), endpoints, and fixed devices such as point-of-sale terminals
- Automatically accept new software added through your authorized processes
- Educate and empower desktop users about disallowed applications with optional user-friendly notifications
- Maintain user productivity and server performance with a low-overhead solution
- Easily protect unsupported legacy systems, such as Microsoft Windows NT and 2000

Advanced persistent threats via remote attack or social engineering make it increasingly difficult to protect your business. At McAfee, safe never sleeps. We work around the clock to find effective ways to help you keep your business secure and productive. Outsmart cyberthugs with McAfee® Application Control software. This centrally managed whitelisting solution uses a dynamic trust model and innovative security features that block unauthorized applications and foil advanced persistent threats—without labor-intensive lists to manage. If you have zero tolerance for zero-day threats, take a closer look at McAfee Application Control.

McAfee Application Control software provides complete protection from unwanted applications and code—blocking advanced threats without requiring signature updates. It lets you consistently enable the known good, block the known and unknown bad, and properly administer new software. Our dynamic whitelisting trust model reduces costs by eliminating expensive manual support requirements associated with other whitelisting technologies.

One Inventory. No Guesswork.

You don't need to be a detective to find and manage application-related files. Our application inventory feature groups all binaries (EXEs, DLLs, drivers, and scripts) across your enterprise by application and vendor, displaying them in an intuitive, hierarchical format. Applications are classified as well-known, unknown, and known-bad. Plus, you can easily search for useful insights, such as applications added this week, uncertified binaries, files with unknown reputations, systems running outdated versions of Adobe Reader, and more to quickly pinpoint vulnerabilities and validate compliance of software licenses.

Help Users Become Part of the Solution

Receiving obscure error messages when trying to access or install disallowed applications only frustrates users. With optional user-friendly notifications and approval requests in McAfee Application Control software, your users can receive informative pop-up messages explaining why access to unauthorized applications is disallowed. These messages prompt users to request approvals via email or helpdesks.

McAfee ePolicy Orchestrator Software: A Single Pane of Glass

McAfee® ePolicy Orchestrator® (McAfee ePO™) software consolidates and centralizes management, providing a global view of enterprise security—without blind spots. This award-winning platform integrates McAfee Application Control software with McAfee Risk Advisor, McAfee Host Intrusion Prevention, McAfee Firewall, and other McAfee security and risk management products. In addition, McAfee ePO software can easily embrace products from McAfee Security Innovation Alliance Partners, as well as your home-grown management applications.

Figure 1. In addition to desktops and servers, McAfee Application Control software extends protection to fixed-function devices to significantly reduce consumer risk.

Supported Platforms

Windows (32- and 64-bit)

- Embedded: XPE, 7E
- Server: NT, 2000, 2003, 2003 R2, 2008, 2008 R2
- Desktop: XP, Vista, 7

Linux

- RHEL 3, 4, 5, 6
- Suse 9, 10, 11
- CentOS 4, 5
- SLED 11

Solaris

- 8, 9, 10 on SPARC
- 10 on x86, x86-64

Small Footprint and Overhead

McAfee Application Control is a low-overhead software solution:

- Easy setup and low initial and ongoing operational overhead
- Negligible memory usage
- No file scanning that could impact system performance
- Works in disconnected and in offline mode
- Requires no signature updates

Watch and Learn in Observation Mode

Observation mode helps you discover policies for dynamic desktop environments without enforcing a whitelisting lockdown. It lets you gradually deploy McAfee Application Control software in pre- or early-production environments without breaking applications.

Powerful Suggestions Are Built In

McAfee Application Control software includes a suggestions interface that recommends new update policies based on execution patterns at the endpoints. It's an excellent way to manage exceptions generated by blocked applications. Simply inspect the exceptions and the details of the blocked application. Then, either approve and whitelist the file or ignore it when the application is meant to be blocked.

Figure 2. Secure update flow.

Protect Legacy Systems

Need to protect older operating systems, such as Microsoft Windows NT and Microsoft Windows 2000? Although Microsoft and other security vendors don't support these legacy systems, McAfee Application Control software has you covered.

Minimize Patching and Protect Memory

McAfee Application Control software works with McAfee Host Intrusion Prevention to sandbox traffic entering and leaving graylisted applications. This validated countermeasure allows you to delay patch deployment until your regular patch cycle. McAfee Application Control software also prevents whitelisted applications from being exploited via memory buffer overflow attacks on Windows 32- and 64-bit systems.

GTI Integration: The Smart Way to Deal with Global Threats

McAfee Global Threat Intelligence™ (McAfee GTI™) is an exclusive McAfee technology that tracks the reputation of files, messages, and senders in real time using millions of sensors worldwide. McAfee Application Control software uses this cloud-based knowledge to determine the reputation of all files in your computing environment, classifying them as good, bad, and unknown. With McAfee GTI integration, you'll know with certainty when any malware has been inadvertently whitelisted.

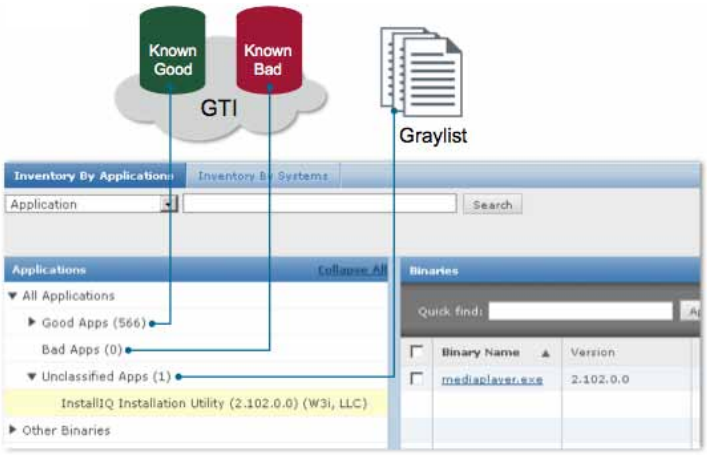

Figure 3. McAfee Global Threat Intelligence constantly monitors the reputation of files and senders, allowing automatic blocking of known bad files and graylisting of those with no known reputation.

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

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