

# Application Security and Control

Send real-time security checks and tampering alerts to McAfee® ePolicy Orchestrator® software

Arxan Technologies, a leader in application security and control, has integrated their software security product, GuardIT, with McAfee ePolicy Orchestrator® (McAfee ePO™) software to provide security check and tampering alert information into the McAfee ePO software management console. The underlying patented Guard technology fortifies applications against tampering, malware insertion, reverse engineering, and unauthorized access through detect and react techniques that provide alerts and repair capability to code-level threats in the enterprise.

## Business problem

The security concerns of large organizations today range from the perimeter to business applications. However, applications suffer from a distinct lack of visibility into their real-time operation. This limited visibility presents a path of least resistance to hackers, and malware continues to move up the stack to the application layer.

To address the growing need for enterprise application security and control, organizations require security solutions that provide greater visibility *during* the interval between the onset of an application attack and when the application is fully compromised. This is provided by automated, real-time security checks and alerts that immediately identify and help address attacks on mission-critical enterprise applications.

## McAfee and Arxan solution and benefits

### Solution overview

Arxan Technologies performs real-time security checks and provides prompt tampering alerts into ePO software, the centralized security and compliance management platform from McAfee. Arxan limits and preempts enterprise risk in real time by providing dynamic tampering alerts faster than any other notifications that may result from fully compromised applications. This helps prevent or limit the damage to enterprise data and assets by malware or insider threats.

Arxan's software protection solution, GuardIT, dynamically defends, detects, alerts, and reacts to attempted application breaches. Arxan's award-winning security solution, based on patented Guard technology, provides centralized notification via the ePO software management console. This integration does not require any agents, nor does it need a signature to identify malware. In addition, the solution does not disrupt any software development life cycles because no source code modifications are required.

The ePO dashboard displays threat intelligence from GuardIT and enables immediate incident response:

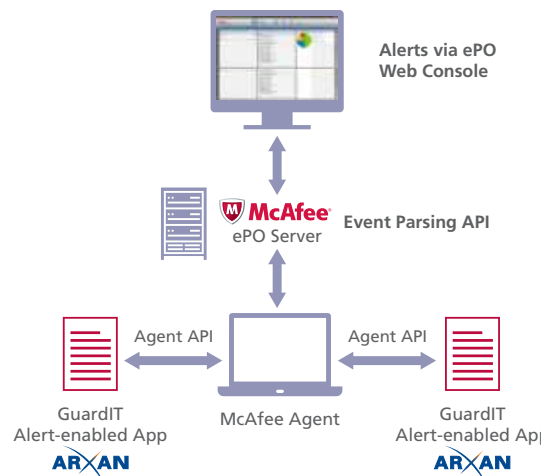
- Threat type
- Host name
- Process name



Arxan GuardIT reports critical security events directly from the host running the application to the ePO server and includes all necessary details required to enable further investigation or remediation. For instance, the ePO administrator can leverage a McAfee endpoint security product, such as McAfee Host Intrusion Prevention System (HIPS). Additional responses are available via Arxan Guards.

Arxan protects an application from tampering by inserting code at the binary layer, which then also leverages the event reporting capabilities of ePO software. Users deploy this protected version of the application to the endpoint hosts. In the event Arxan detects an instance of tampering, an event is sent directly to the ePO software server, and multiple events can be set up to appear automatically in event tables and dashboards. The detected tampering event contains information about the threat type, host name, and the process name to help facilitate further incident response.

Arxan's Guards provide a customized framework for reactions to tampering that include self-healing, call for help, termination, or monitoring of the threat to determine an appropriate response.



### Benefits

The McAfee ePO software and Arxan solution provides:

- Improved visibility of application attacks, coupled with real-time detection and prompt tampering alerts to facilitate incident response
- Enhanced threat protection with integration of endpoint and application security
- Increased operational efficiencies by providing the right data to the right user at the right time
- Better workflow, better risk management, and reduced time to problem resolution
- Embedded defense built directly into an executable for quick and automatic implementation that yields stronger enterprise application security and control

**McAfee Compatible solution:** GuardIT v4.0 and McAfee ePO 4.0

### About McAfee Security Innovation Alliance

The McAfee Security Innovation Alliance is the foundation of a technology ecosystem designed to assemble the world's leading security innovations. Working together, McAfee and its partners deliver solutions more comprehensive than those available from any single vendor. You'll find the McAfee Compatible logo on products that have passed McAfee's integration testing. For more information, visit [www.mcafee.com/sia](http://www.mcafee.com/sia).

### About McAfee, Inc.

McAfee, Inc., headquartered in Santa Clara, California, is the world's largest dedicated security technology company. McAfee is relentlessly committed to tackling the world's toughest security challenges. The company delivers proactive and proven solutions and services that help secure systems and networks around the world, allowing users to safely connect to the Internet, browse and shop the web more securely. Backed by an award-winning research team, McAfee creates innovative products that empower home users, businesses, the public sector and service providers by enabling them to prove compliance with regulations, protect data, prevent disruptions, identify vulnerabilities, and continuously monitor and improve their security. <http://www.mcafee.com>.

