

Extend McAfee Total Protection for Endpoint with HBGary Digital DNA and Responder

Enterprise malware detection and incident response system to combat targeted attacks and advanced persistent threats

Targeted attacks and advanced persistent threats continue to transform the computer security landscape. Sophisticated cyber adversaries want your intellectual property, confidential information, financial data, and money. If your network is connected to the Internet, it can be compromised.

Digital DNA™ represents an additional and complementary line of defense to McAfee security for your endpoints. It detects malicious software lurking in the memory of Windows servers and workstations that may evade existing security systems. Responder™ Professional provides post-exploitation forensic analysis to gain actionable intelligence about cyber threats.

Extend McAfee® Total Protection for Endpoint

Digital DNA extends the capabilities of McAfee Total Protection for Endpoint by providing a new and complementary method for host malware detection. While traditional endpoint security products run 24x7 as a service to detect, stop, and mitigate threats in real time, Digital DNA detects malware by running offline on a scheduled or per incident basis to scan physical memory.

Digital DNA works with McAfee ePolicy Orchestrator® (ePO™) to proactively or reactively identify compromised Windows computers throughout the enterprise. Malware and suspicious binaries and their underlying behavioral traits are reported with color coded alerts on the ePO console.

Expand Detection of Unknown Threats Without Signatures

Traditional security tools detect known threats via signatures. Criminals can bypass detection using new malware variants. As new signatures are released, the cycle continues. This past year has seen more new malware than the previous five years combined. To combat this malware, McAfee offers behavioral detection for significantly better security against both zero-day and targeted threats.

Digital DNA also detects malware using automated behavioral analysis. Multiple low level behaviors are identified for every running program or binary. The behavioral traits are examined as a set to assign a threat severity score and color coded alert for each binary. Instead of requiring a unique signature for every new malware sample, Digital DNA flags binaries that act like malware. This approach is complementary to McAfee Artemis Technology, McAfee's on demand, real-time malware protection for known and unknown threats.

Detection Using Automated Offline Analysis of Physical Memory and Executables

Like an MRI body scan, physical memory is an open book of everything running on a computer, including advanced persistent threats and rootkits. All malware must reside in memory to execute on the CPU, so offline memory analysis is the only way to truly and completely assess what is running on a computer.

McAfee Compatible Solution

HBGary Digital DNA 1.7 and
McAfee ePO 4.0



Solution Brief Extend McAfee Total Protection for Endpoint with HBGary Digital DNA and Responder

Support Platforms for the Joint Solution

- Windows 2008 Server
- Windows 2008 Vista
- Windows 2003 Server
- Windows 2008 XP
- Windows 2000 Server
- Windows 2000

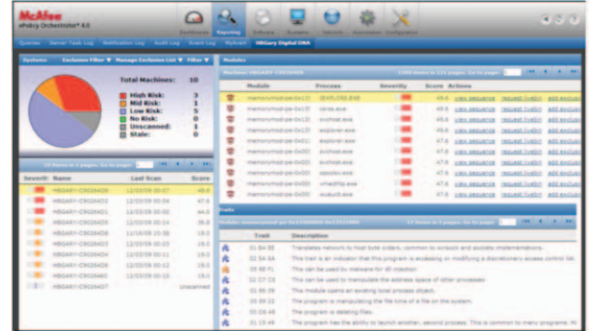
Reporting Output

Reports can be exported in several formats including PDF, XLS, CSV, HTML, ASCII, and RTF.

Digital DNA creates an image of physical memory and reconstructs all digital objects running, including the operating system and programs. After reconstruction, Digital DNA examines the entire operating system, including the kernel, and no code is executing to thwart the detection system. Digital DNA reveals the underlying behaviors of every running program and assigns color coded alerts to help analysts determine if it is safe or malicious.

Digital DNA with McAfee ePolicy Orchestrator

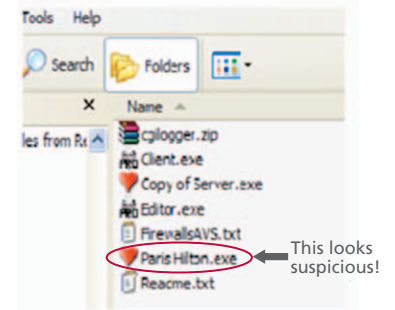
McAfee users deploy Digital DNA via their existing ePO enterprise infrastructure, increasing the value derived from current hardware, software, and network communications. No new host agents are required, as Digital DNA is installed and scheduled by ePO. Your staff can use Digital DNA with little or no training to gain endpoint security visibility. Malware threats are automatically displayed on the web-based ePO dashboard console. Behavioral traits provide quick threat metadata, and historical alerts are centrally reported and correlated.



Responder Professional

When malware is detected by Digital DNA security, you can use Responder Professional, a stand-alone workstation tool, for a deeper level of analysis of a computer's memory and its malware.

With a mouse click, you can automatically extract malware from a remote computer's memory and safely transfer it over the network to Responder Pro for deep static and dynamic analysis, reverse engineering, and reporting. Responder allows your incident response team to quickly understand cyber threats to help bolster network defenses. Responder Professional is also used for physical memory forensics.



About HBGary Digital DNA and Responder Software

HBGary, Inc. is a McAfee Security Innovation Alliance Partner that delivers enterprise host malware detection and analysis solutions and incident response systems, providing customers with actionable intelligence about cyber threats. Founded in 2003 by renowned security expert Greg Hognlund, HBGary has expertise in Windows internals, software reverse engineering, rootkit techniques, offensive computer network attack, and countermeasures. Software products include Digital DNA for automated malware detection on Windows hosts, and Responder Professional for post-exploitation forensic analysis to gain actionable intelligence about cyber threats.

<http://www.hbgary.com>.

About McAfee ePolicy Orchestrator (ePO) software

McAfee ePO software is the industry-leading security and compliance management platform. With its single agent and single-console architecture, ePO software provides intelligent protection that is automated and actionable, enabling organizations to reduce costs and improve threat protection and compliance.



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