DATA SHEET

File Protect

Detect and eliminate malware on file shares and content stores

HIGHLIGHTS

- Finds latent malware undetected by traditional AV engines
- Deploys in active quarantine (protection mode) or analysis only (monitor mode)
- Provides recursive, scheduled and on-demand scans of CIFS and NFS compatible file shares
- Provides proactive protection for Microsoft OneDrive and Sharepoint
- Includes analysis of a wide range of file types such as PDFs, Microsoft Office documents and multimedia files
- Integrates with FireEye Endpoint Security to streamline incident response prioritization and naming conventions
- Shares threat data through FireEye Central Management and the FireEye DTI cloud

Overview

FireEye File Protect secures data assets across a wide range of file types against attacks that originate from web mail, online file transfer tools, the cloud and portable file storage devices. Such attacks can spread to file shares and content repositories. File Protect analyzes network file shares and content management stores to detect and quarantine malware that bypass next generation firewalls, IPS, AV and gateways.

Challenges of malware on file shares

Today's advanced cyber attacks use sophisticated malware and advanced persistent threat (APT) tactics to penetrate defenses and spread laterally through file shares and content repositories. This enables malware to establish a longterm foothold in the network and infect multiple systems, even those offline. Many corporate data centers remain especially vulnerable to advanced, content-based malware because traditional defenses are ineffective against these attacks, which often enter the network through legitimate means. Cyber criminals leverage these vulnerabilities to spread malware into network file shares and embed malicious code in vast data stores, resulting in a persistent threat even after remediation.

Importance of file content protection

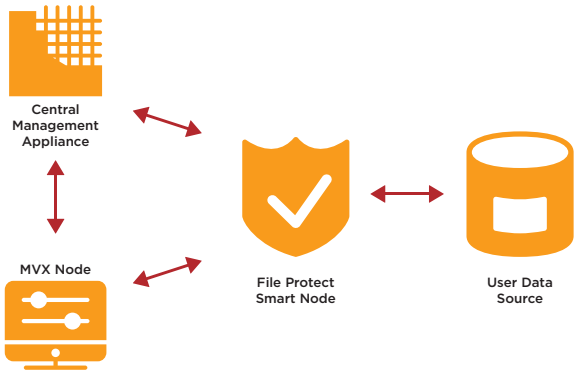
Without a way to detect resting malware in content, APTs can exploit network assets to extract proprietary information and cause significant damage. File Protect analyzes file shares and enterprise content repositories using the patented FireEye Multi-Vector Virtual Execution™ (MVX) engine that detects zero-day malicious code embedded in common file types (PDF, MS Office, vCards, ZIP/RAR/TNEF, etc.) and multimedia content (QuickTime, MP3, Real Player, JPG, PNG, etc.). File Protect performs recursive, scheduled and on-demand scanning of accessible network file shares and content stores to identify and quarantine resident malware. This halts a key stage of the advanced attack life cycle.

Revealing unknown, zero-day threats

FireEye FX uses the FireEye MVX engine to inspect each file and confirm the existence of zero-day exploits or malicious code. The FireEye MVX engine detects zero-day, multi-flow and other evasive attacks with dynamic, signature-less analysis in a safe, virtual environment. It stops infection and compromise phases of the cyber attack kill chain by identifying neverbefore seen exploits and malware.

The Power of MVX Smart Grid

FireEye MVX Smart Grid improves on FireEye Network Security with a flexible and scalable deployment architecture via hybrid or private cloud. MVX Smart Grid uses an innovative approach to more effectively secure campuses, branch offices and remote users by separating the MVX engine from hardware and virtual Smart Nodes.™ Smart Nodes analyze Internet traffic to detect and block threats using a variety of techniques such as static analysis, analytics, IPS, applied intelligence, and more, while the MVX engine performs core dynamic analysis.



Protection for Microsoft OneDrive and SharePoint

File Protect continuously scans content to alert and permanently quarantine malware discovered in OneDrive and SharePoint repositories. The platform leverages WebDAV protocol to securely integrate with SharePoint services to protect enterprise business workflows that use SharePoint repositories.

YARA-based rules enable customization

File Protect supports custom YARA rules to analyze large quantities of file threats specific to the organization.

Streamlined incident prioritization

With FireEye Endpoint Security, each malicious object can be further analyzed to determine if antivirus vendors were able to detect the malware stopped by File Protect. This enables organizations to efficiently prioritize incident response follow-ups and use common naming conventions for known malware.

Malware intelligence sharing

The resulting dynamically generated, real-time threat intelligence can help all FireEye products protect the local network through integration with Central Management. This intelligence can be shared globally through the FireEye Dynamic Threat Intelligence (DTI) cloud to notify all subscribers of emerging threats.

No rules tuning and near-zero false positives

Unlike IPS systems, File Protect requires absolutely no tuning. Flexible deployment modes include analysis-only monitoring and active quarantining. This enables companies to learn how much malware is resident on file shares and to actively stop the lateral spread of malware.

Content Smart Notes for protection where needed

With FireEye Content Smart Nodes, content and security managers gain a flexible, virtual solution to protect missioncritical content throughout the enterprise. Coupled with the MVX Smart Grid, content protection scales and deploys seamlessly to where it is needed.

Flexible form factors

Ideal for any network environment, customers can choose between either virtual FireEye Content Smart Nodes or traditional on-premise hardware appliances.

Table 1. FireEye Content Smart Node.

	FX 2500V
OS Support	Microsoft Windows, MacOS X
Performance	40,000 files/day
Network Interface Ports	Ether 1, Ether 2
CPU Cores	2
Memory	8 GB
Drive Capacity	512 GB
Hypervisor Support	VMWare ESXi 6.0 or later

Table 2. FireEye technical specifications.

	FX 6500
Performance *	Up to 70,000 Files per day
Network Interface Ports	4x 1GigE BaseT
IPMI Port (rear panel)	Included
USB Ports (rear panel)	2x USB Type A Front, 2x USB Type A Rear
Serial Port (rear panel)	115,200 bps, No Parity, 8 Bits, 1 Stop Bit
Storage Capacity	4x 2TB, RAID 10, HDD 3.5 inch, FRU
Enclosure	2RU, Fits 19 inch Rack
Chassis Dimensions (WxDxH)	17.24" x 24.41" x 3.48" (438 x 620 x 88.4 mm)
AC Power Supply	Redundant (1+1) 800 watt, 100 - 240 VAC, 9 – 4.5A,50-60 Hz, IEC60320-C14 inlet, FRU
Power Consumption Maximum	530 watts
Thermal Dissipation Maximum	1,808 BTU/h
MTBF	53,742 h
Appliance Alone / As Shipped Weight lb. (kg)	44.4 lbs (20.2 Kg) / 65.6 lbs (29.8 kg)
Safety Certifications	IEC 60950 EN 60950-1 UL 60950 CSA/CAN-C22.2
EMC/EMI Certifications	FCC Part 15 ICES-003 Class A AS/NZS CISPR 22 CISPR 32 EN 55032 EN 55024 IEC/EN 61000-3-2 IEC/EN 61000-3-3 IEC/EN 61000-4-2 V-2/2015 & V-3/2015
Regulatory Compliance	RoHS Directive 2011/65/EU; REACH; WEEE Directive 2012/19/EU
Operating Temperature	0–40° C (32–104° F)
Operating Relative Humidity	10–95% @ 40° C, non-condensing
Operating Altitude	3,000 m / 9,842 ft

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About FireEye, Inc.
FireEye is the intelligence-led security company. Working as a seamless, scalable extension of customer security operations, FireEye offers a single platform that blends innovative security technologies, nation-state grade threat intelligence, and world-renowned Mandiant® consulting. With this approach, FireEye eliminates the complexity and burden of cyber security for organizations struggling to prepare for, prevent and respond to cyber attacks.