

Bromium—Palo Alto Networks Integrated Protection

Key Benefits

DEFEAT ATTACKS

Automatically defeats attacks targeting the endpoint across the enterprise

UNMATCHED VISIBILITY

Comprehensive visibility into network traffic and the full malware “kill chain”

REDUCED OPERATIONAL COSTS

Automated threat updates reduce the need for manual intervention and costly endpoint remediation

The Challenges

Integrated enterprise-wide visibility and protection

To succeed in the fight against malware today organizations are looking for an integrated solution that effectively protects their resources and provides visibility into all aspects of the threat environment.

Defeating malware

Malware today is designed to evade detection by both traditional and modern techniques. Traditional approaches such as black listing, white listing, and behavioral blocking can't keep up with ever more sophisticated attackers.

Network and endpoint threat visibility

Enormous volumes of network traffic and the increasing complexity of the endpoint require an innovative approach to deliver the right information at the right time to the right people.

The Solution

The intersection between network and endpoint security

Palo Alto Networks® delivers a comprehensive set of threat prevention technologies (including vulnerability

protection, malware prevention, URL filtering, and application control) based on the next-generation security platform. These technologies include the use of Wildfire for static and dynamic analysis of malware samples passing throughout the enterprise and delivering protection throughout the Palo Alto Networks threat prevention framework.

Bromium® has transformed endpoint security with vSentry® which isolates all potentially malicious content in a hardware enforced micro-virtual machine. vSentry defeats all forms of malware and eliminates the need for endpoint remediation.

Bromium detects malware running within a micro-virtual machine and records all aspects of the attack including its origin and its ongoing communication. It shares this information with the Palo Alto Networks next-generation security platform. The next-generation security platform can take immediate action and apply policy to disrupt any communication with these IP addresses, thus providing the organization with the ability to take decisive steps against the malware's ability to communicate with devices not protected by Bromium.

About Bromium

Bromium has transformed endpoint security with its revolutionary isolation technology to defeat cyber attacks. Unlike antivirus or other detection-based defenses, which can't stop modern attacks, Bromium uses micro-virtualization to keep users secure while delivering significant cost savings by reducing and even eliminating false alerts, urgent patching, and remediation—transforming the traditional security life cycle.

Visibility

Palo Alto Networks delivers unmatched visibility and control into enterprise network traffic and protocols enabling the organization to understand, manage and secure the vast quantities of traffic that exists in the modern network.

Bromium Live Attack Visualization and Analysis (LAVA™) delivers “at a glance” visibility into the full malware kill chain to the Security Operations Center (SOC). Complete copies of the entire attack are captured and provided for full analysis.

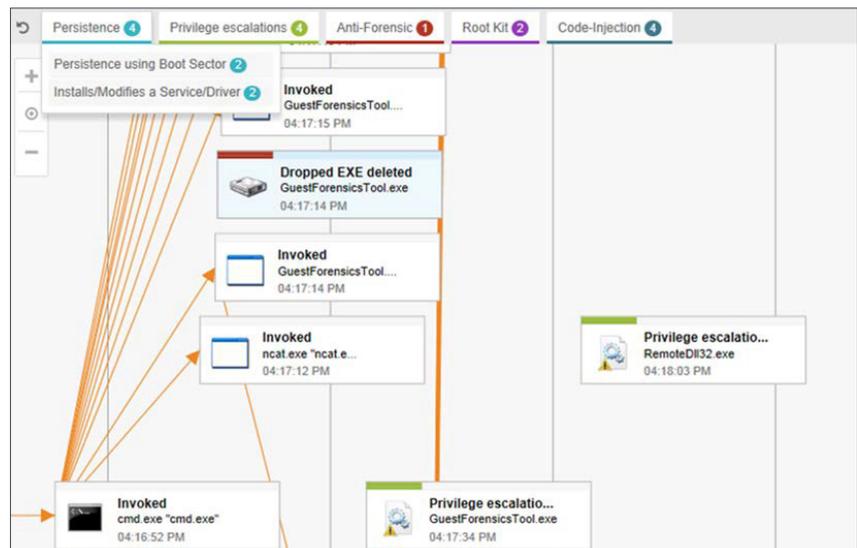
LAVA automatically categorizes each attack element based on its intent and generates binary signatures

which can be used by the Palo Alto Networks WildFire analysis system for global protection.

Conclusion

If your organization is concerned about how to mitigate and stop new types of unknown malware, consider the integrated solution from Palo Alto Networks and Bromium. This innovative approach towards threat prevention stops malware at the network and at the endpoint through the use of the Palo Alto Networks next-generation network security platform and Bromium vSentry on the endpoint. Together, these technologies increase visibility over malware and defeat its ability to cause harm to the organization.

LAVA REAL-TIME ATTACK ANALYSIS



Bromium, Inc.
 20813 Stevens Creek Blvd
 Cupertino, CA 95014
 info@bromium.com
 +1.408.213.5668

Bromium UK Ltd.
 Lockton House
 2nd Floor, Clarendon Road
 Cambridge CB2 8FH
 +44.1223.314914

For more information go to www.bromium.com or contact sales@bromium.com

Copyright ©2015 Bromium, Inc. All rights reserved.
 SB.PAN.US-EN.1510