

ENDPOINT PROTECTION: ADVANCED DEFENSES AGAINST EVOLVING THREATS

Mobile technologies have become essential

to organizations in every industry, but they also increase exposure to evolving cyberthreats, such as malware, phishing and zero-day exploits. Next-generation tools provide new capabilities to help organizations keep pace with changing security threats across increasing areas of attack.

ZERO-DAY ATTACKS

Undiscovered vulnerabilities represent a major threat. Once cyberattackers have uncovered a weakness, they can exploit it until security vendors develop a defense.



PHISHING

Email attacks prey on unsuspecting recipients by using a malicious attachment or link to trick the recipient to download malware.

67%

The percentage of IT security professionals who said it is certain or likely that their organization suffered a data breach as a result of employees using their mobile devices to access the company's sensitive and confidential information¹

30%

The percentage of phishing messages that were opened by the target¹

THE ADVANCED DEFENSE ARSENAL

As these threats have advanced, so have security solutions. They deploy several next-generation techniques that protect endpoints from evolving threats.

4.5 million

The number of Android malware samples in 2015, up sharply from the 2.9 million malware samples counted in 2014²

BEHAVIORAL ANALYSIS

This technique watches a system for signs of potential attack and then takes action to block applications that engage in behavior matching one or more malicious patterns.

59%

The percentage of executives who use data analytics to model cybersecurity threats³

MACHINE LEARNING

By automating the learning process to recognize attack patterns, this technique detects previously unseen malware and stops attacks before damage occurs.

6 hours

The median amount of time needed to detect cybersecurity threats in October 2016, a steep decline from 39 hours in November 2015⁴

SECURITY REINFORCEMENTS

A third-party provider (such as CDW) can help organizations effectively deploy next-generation endpoint security solutions.

46%

The percentage of IT professionals who report that the cybersecurity skills in their organization are inadequate⁵

Sources:

¹ Verizon, "2016 Data Breach Investigations Report," April 2016

² Hewlett Packard Enterprise, "HPE Cyber Risk Report 2016," August 2016

³ PwC, "The Global State of Information Security Survey 2016," October 2015

⁴ Cisco Systems, "Staying Ahead of the Evolving Threat - Announcing the Cisco 2017 Annual Cybersecurity Report," January 2017

⁵ The Cipher Brief, "A National Security Issue," February 2016

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► To learn more about how next-generation endpoint defenses can help protect your organization and address evolving mobile threats, read the article "Next-Generation Defense for Endpoints."

SOPHOS

