# **ENDPOINT** PROTECTION: ADVANCED DEFENSES AGAINST EVOLVING THREATS

### **ZERO-DAY ATTACKS**

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

### **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.

The percentage of IT security professionals who said it is certain or likely that their organization suffered employees using their mobile devices to access the company's sensitive

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### **PHISHING**

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

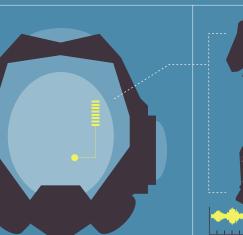
The percentage of phishing messages that were opened by the target<sup>1</sup>

## THE ADVANCED DEFENSE ARSENAL

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 2014<sup>2</sup>



### **BEHAVIORAL ANALYSIS**

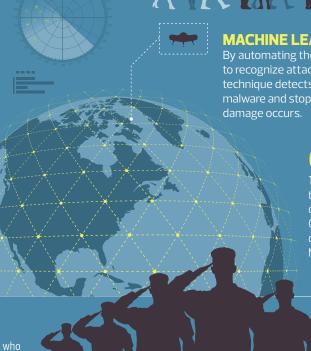
This technique watches a system for signs of potential attack and then takes action to block applications that engage in behavior matching one or more malicious patterns.

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

analytics to model cybersecurity threats<sup>3</sup>

executives who use data

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



### **MACHINE LEARNING**

to recognize attack patterns, this technique detects previously unseen malware and stops attacks before

### **6** hours

cybersecurity threats in

### Sources:

- Verizon, "2016 Data Breach Investigations Report," April 2016
- <sup>2</sup> Hewlett Packard Enterprise, "HPE Cyber Risk Report 2016," August 2016 <sup>3</sup> PwC, "The Global State of Information Security Survey 2016," October 2015
- Cisco Systems, "Staying Ahead of the Evolving Threat Announcing the Cisco 2017 Annual Cybersecurity Report," January 2017

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<sup>5.</sup> The Cipher Brief, "A National Security Issue," February 2016

▶ 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."



