

**Hewlett Packard** Enterprise

# SERVER MANAGEMENT AND SECURITY

## TODAY'S EXISTING SECURITY THREATS Security Today



### **Denial of Service (DOS):**

Make crucial changes to the target's firmware that interfere with it's ability to perform key functions.



### **Distribution Denial of Service (DDoS):**

Overwhelm the target with bogus requests for information or assistance from multiple sources, tying up resources and hindering its ability to respond to legitimate users.

### **Data Theft or Information Theft:**

Malware or compromised code copied directly into the target's firmware renders it completely useless. Sometimes called "bricking" a server, i.e., rendering it as useful as a brick.

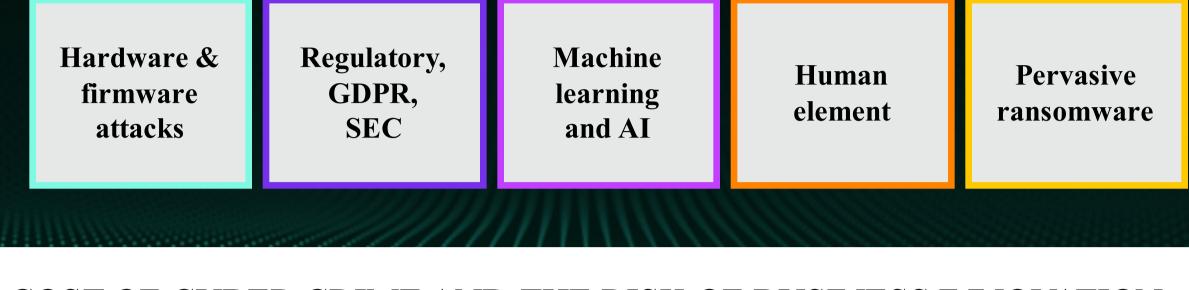
### **Permanent Denial of Service (PDoS):**

**A** Bricked or permanently disabled servers.

### **Ransomware:**

Hostile software that invades a PC or server and locks it permanently, preventing legitimate users from accessing any content unless a ransom payment is made.

# SECURITY ATTACK TRENDS



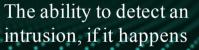
# COST OF CYBER CRIME AND THE RISK OF BUSINESS INNOVATION Security Today



Persistent use of advanced security information and event management (SIEM) results in an average savings of nearly \$3 million.

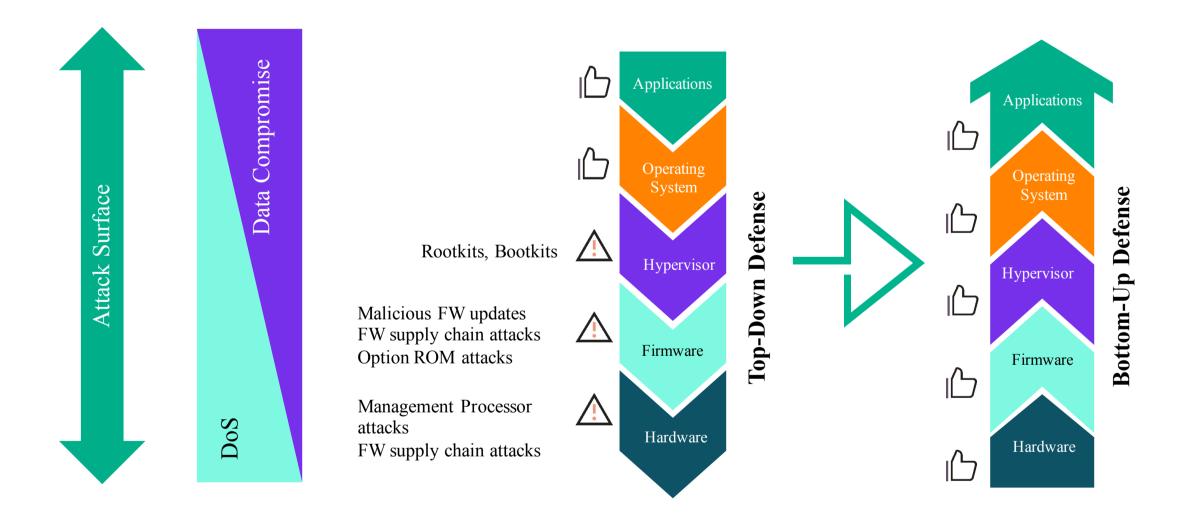
# SECURITY REQUIRES DEFENSE IN DEPTH





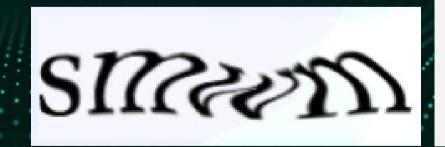
Recovering rapidly from a breach, without suffering the consequences of down-time or data loss

### HPE SECURITY VISION: SERVER PLATFORM SECURITY HPE servers comprehensive security approach protects key server infrastructure



# HACKERS USE ARTIFICIAL INTELLIGENCE

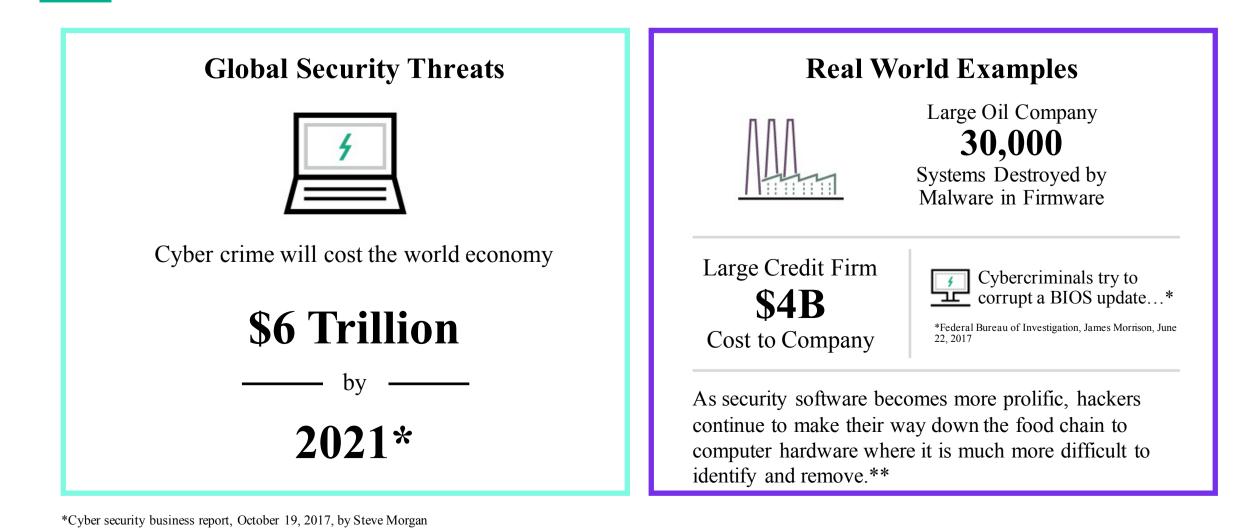
Bypassing CAPTCHA	Improving Phishing	Evasive Malware
	<u>A reported 76% of organizations</u> <u>fell victim to phishing attacks in</u> <u>2017.</u>	AI performs checks to identify hardware configurations and if a human is operating the machine
	AI identifies valuable targets and quickly develop a profile of that	DeepLocker's AI is trained to ensure that its payload only



target based on what they have tweeted in the past. Using this approach targets click on malicious links 30% of the time (compared to the 5-15% success rate of other automated approaches). executes when it reaches a specific target, relying on three layers of concealment to prevent security tools from identifying the threat.

Source: Artificial Intelligence Part 2: Cyber Criminals Get Smart with AI, August 27, 2018, Stephen Helm

## SECURITY TODAY - REAL WORLD EXAMPLES Evolving Threats



For more information on HPE Gen10 Servers, contact us today:

Summit Partners http://gosummitpartners.com

\*\*New York Times, Technology Section, Jan 22, 2014, Nicole Perlroth