

7 Ways to Secure Your Company Against a Cyber Attack

9/28/2021

TODAY'S AGENDA

Moderator



John Bertoli
SVP, Marketing

Webinar Speaker



Dave Jooste
Owner

1. About NIP Group
2. Email & Network Vulnerabilities
3. System Defenses
4. Endpoint Management – CIS Controls
5. Data Backups & Disaster Recovery
6. Q&A





CYBER TECH CONNECTION

ADVANCED TECH SUPPORT & CYBERSECURITY

WWW.CYBERTECHCONNECTION.COM

CYBERSECURITY 101 – THE BASICS

- 
- INTRODUCTION
 - What is Cyber Security?
 - EMAIL
 - O365 .vs Gmail
 - MFA
 - Email Controls
 - Phishing & Scams
 - REMOTE USERS
 - Benefit .vs Reward
 - Employer trends
 - SYSTEM DEFENSES
 - Primary Defense
 - Antivirus
 - Retail .vs Commercial
 - ENDPOINT MANAGEMENT – CIS CONTROL
 - How remote work can leave companies vulnerable and liable.
 - CLOUD BASICS
 - What is the cloud & how does it work?
 - BACKUPS
 - Are they necessary
 - DISASTER RECOVERY
 - How to save your business

WHAT IS CYBER SECURITY?

Cyber security is the application of technologies, processes and controls to protect systems, networks, programs, devices and data from cyber attacks!

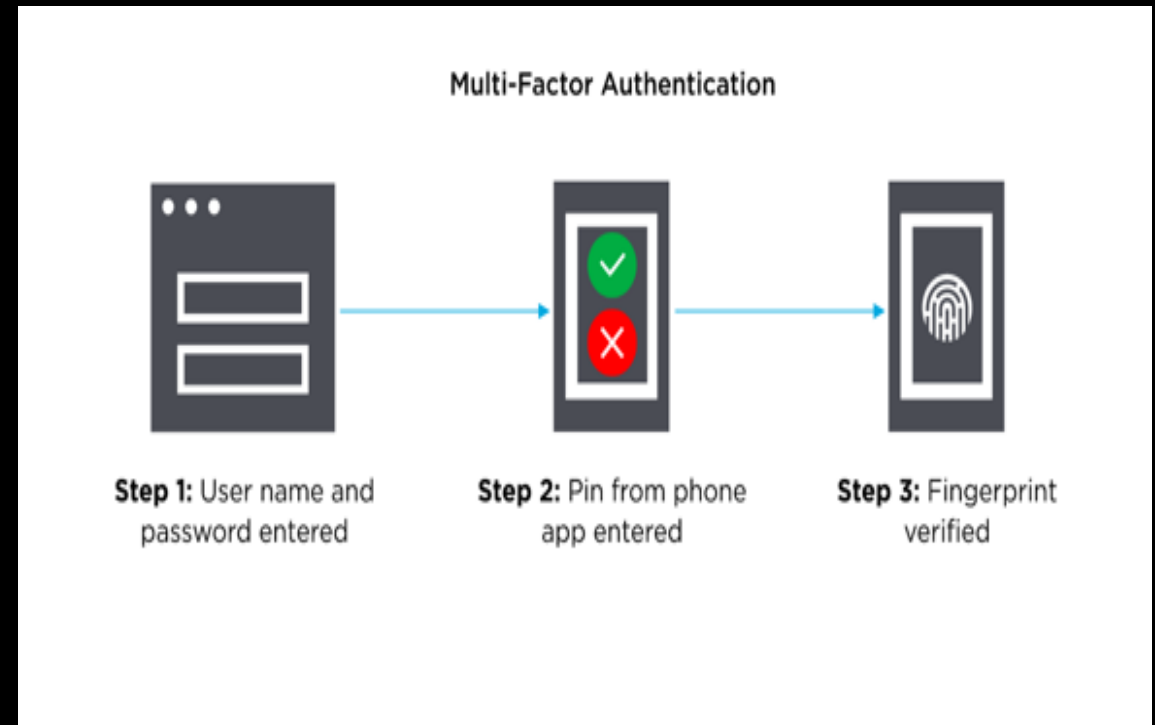
- Here is what its not
 - Cyber security is not only about stopping hackers
 - Cyber security is not only about stopping password leak
 - Cyber security is not only about protecting your data
- Here is what it is:
 - Network security
 - Data security
 - Device security
 - Application security
 - Identity management
 - Cloud security and more!



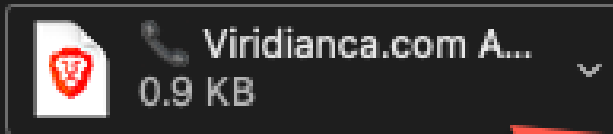
EMAIL SERVICES

Which is better: Microsoft Office 365 or Google Gmail

- What does your company need. Gmail for ease of use or Microsoft O365 for functionality and security
- End of the day, its all about user preference and **data administration**.
- MFA – ok, so what is that?
 - Rather than just asking for a username and password, MFA requires one or more additional verification factors, which decreases the likelihood of a successful cyber attack.
 - Multiple methods like:
 - Text
 - Code Generator
 - Key Fob
 - App
 - Phone Call



EMAIL CONTROLS



Viridianca.com A...
0.9 KB



ATT00001.htm
0.5 KB

[Download All](#) • [Preview All](#)

You replied to this message on 7/12/21, 8:13 PM.

Begin forwarded message:

From: [Viridianca.com](#) : Audio Desk [admin@sororitywars.app](#)>

Date: July 10, 2021 at 9:34:34 AM EDT

Subject: 10 July, 2021

With the current climate, remote users are expected to continue to grow. In a PwC survey of 669 CEOs, 78% agree that remote collaboration is here to stay for the long-term.

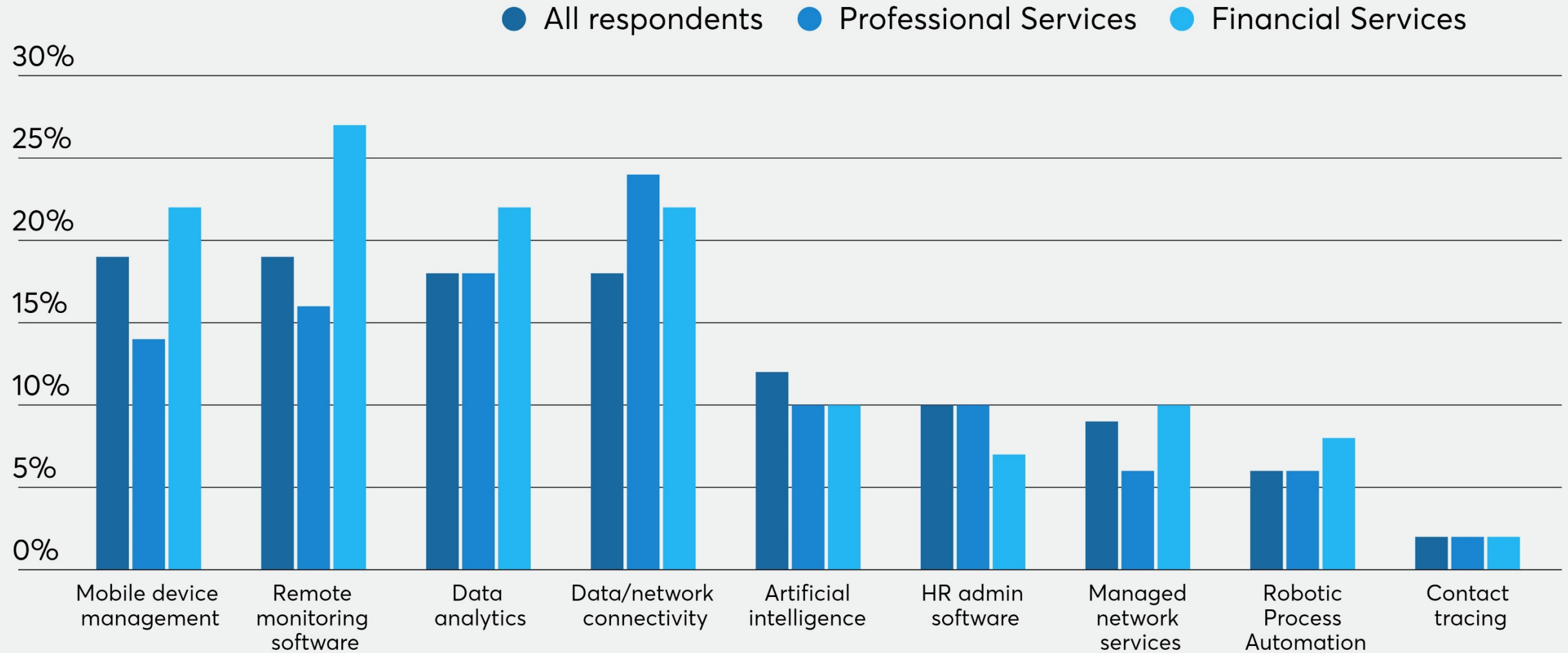
SOME EMPLOYEE BENEFITS...

- Increased Work Satisfaction
- Productivity Increases
- Better Employee Mental Health
- Less employee leave taken
- Better business communications





What technology areas is your company likely to invest in over the next 12-18 months to support employee needs?

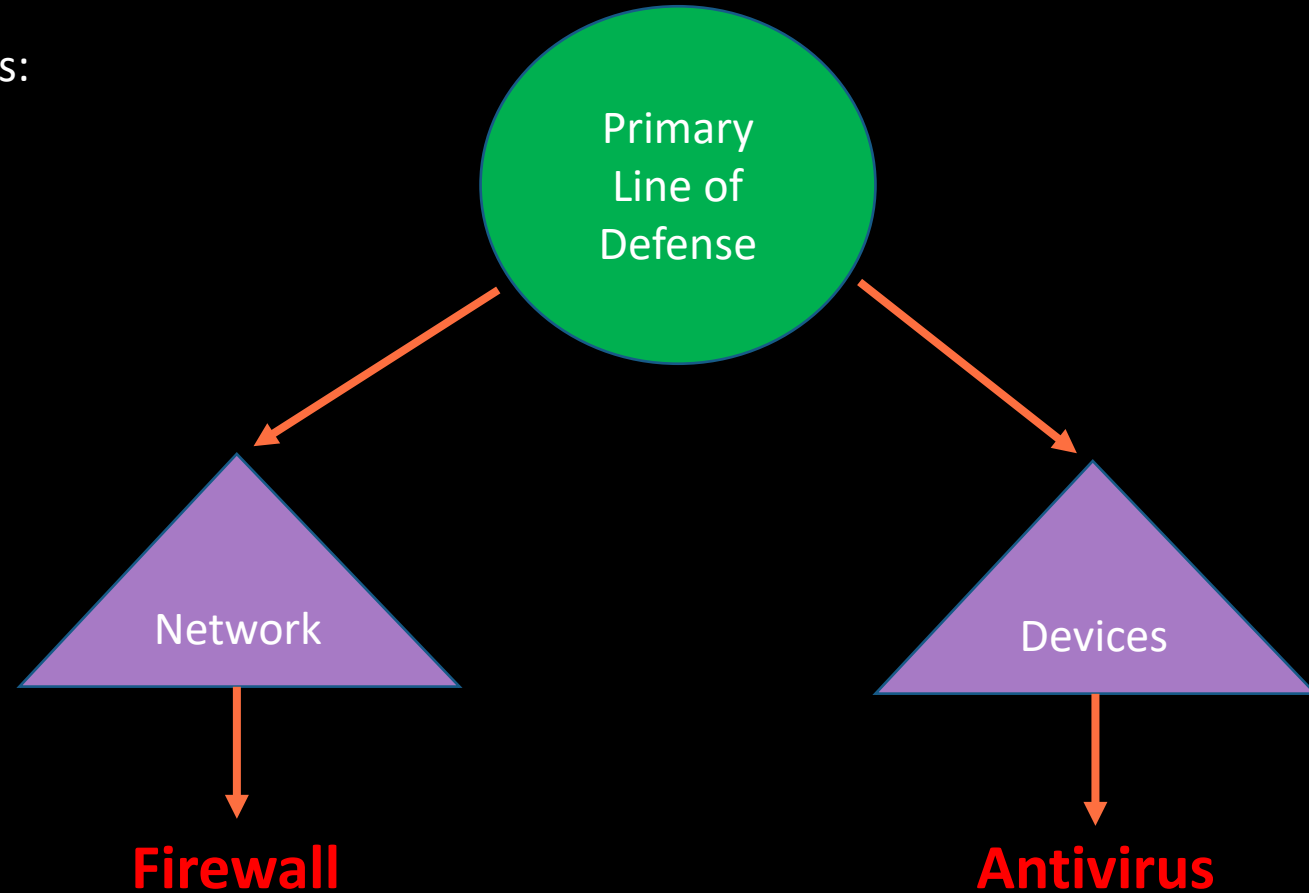


Source: Arizent June 2020 COVID-19 Pulse Survey

SYSTEM DEFENSE

System defense is broken down into two main categories:

NETWORK DEFENSE	DEVICE DEFENSE
This includes: • Routers • Firewalls • Switches • Printers • Online Accounts • VOIP Phones	This includes devices like: • Laptops • Desktops • Mobile phones • Firewalls • Antivirus



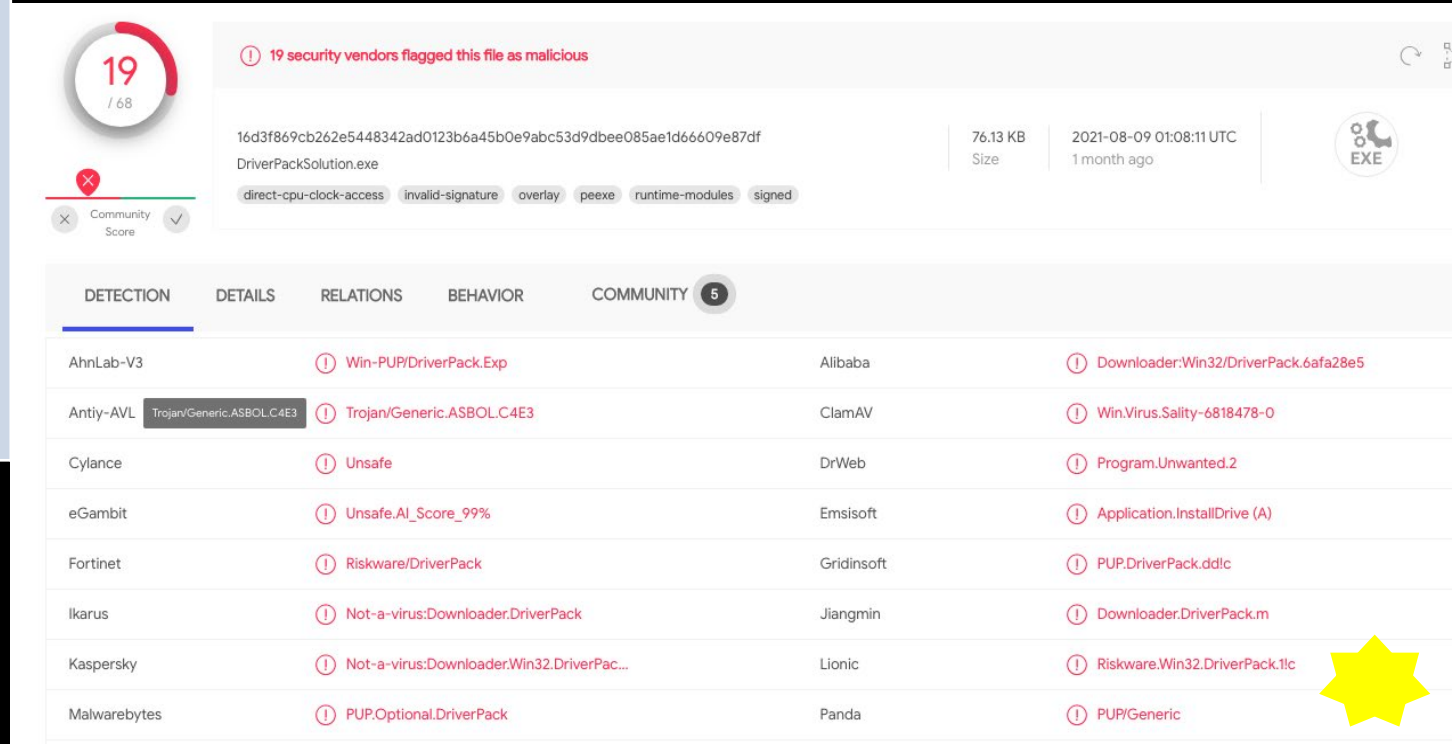
If you need to start somewhere, start with **device defense**

ANTIVIRUS OPTIONS

If you are thinking about an Antivirus program, here are some comparisons:

RETAIL	BUSINESS
• OTC Purchase • Cheap • Various options • One-click install • 1-5 devices • Limited scanning • Signature based	• Purchased via Vendor • More expensive • Complete package • Advanced install • In-depth scanning • Advanced controls • Network Monitoring • Forensics

If you are ever unsure if a file is malicious, Virus Total is a free online scanning tool that will detect the latest malware attributes in a file.



The screenshot shows the VirusTotal interface for a file named 'DriverPackSolution.exe'. At the top, a red circle indicates a '19 / 68' detection score. Below this, a red banner states '19 security vendors flagged this file as malicious'. The file's SHA-256 hash is displayed, along with its size (76.13 KB) and the scan date (2021-08-09 01:08:11 UTC, 1 month ago). A row of tags identifies the file as 'direct-cpu-clock-access', 'invalid-signature', 'overlay', 'peexe', 'runtime-modules', and 'signed'. The 'DETECTION' tab is active, showing a list of security vendors and their specific detections. A yellow star icon is visible in the bottom right corner of the image.

Detection	Details	Relations	Behavior	Community
AhnLab-V3	Win-PUP/DriverPack.Exp	Alibaba	Downloader.Win32/DriverPack.6afa28e5	
Antiy-AVL	Trojan.Generic.ASBOL.C4E3	ClamAV	Win.Virus.Sality-6818478-0	
Cylance	Unsafe	DrWeb	Program.Unwanted.2	
eGambit	Unsafe.AI_Score_99%	Emsisoft	Application.InstallDrive (A)	
Fortinet	Riskware/DriverPack	Gridinsoft	PUP.DriverPack.ddlc	
Ikarus	Not-a-virus:Downloader.DriverPack	Jiangmin	Downloader.DriverPack.m	
Kaspersky	Not-a-virus:Downloader.Win32.DriverPac...	Lionic	Riskware.Win32.DriverPack.1lc	
Malwarebytes	PUP.Optional.DriverPack	Panda	PUP/Generic	

ENDPOINT (Device) MANAGEMENT

Unified endpoint management is a class of software tools that provide a single management interface for mobile, PC and other devices.

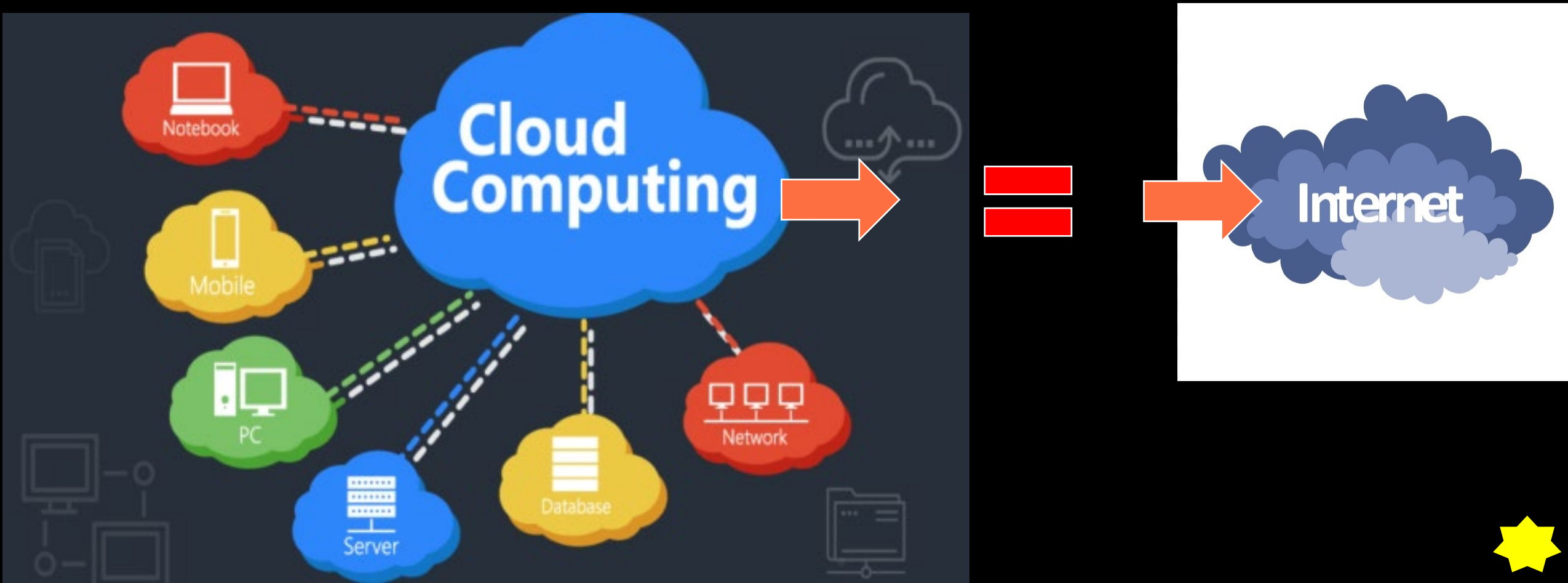
CIS Controls: software control, hardware inventory, vulnerability scanning, configuration management and patch management can all be accomplished with an effective endpoint management system.

- **HARDWARE CONTROL**
 - Who has what
 - Where are company devices
 - Inventory Management
- **SOFTWARE CONTROL**
 - What software is installed
 - Block software installs
 - System configurations
- **BROWSER CONTROL**
 - What websites being accessed
 - Block un-approved downloads
 - Block video streaming



WHAT IS THE “CLOUD”

The tech industry loves to use buzzwords like the Internet of Things, Big Data and 5G. The problem is that these sometimes arbitrary terms don't make it clear what they actually mean to consumers. “The cloud” is one of those terms.



*IT WILL
NEVER
HAPPEN TO ME*

POLICE LINE DO NOT CROSS

by: Beth Alcazar



Q & A

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Thank you for attending our 7 Ways
to Secure Your Company Against a
Cyber Attack Webinar!

