

## Cyber Security Risks for PHAs

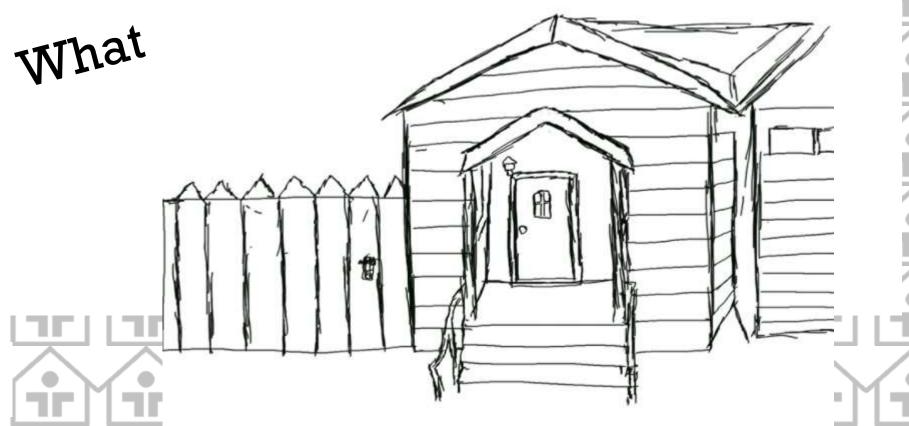


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Ultimate IT Guys
We Keep You
Safe, Secure,
& Productive!



## **Vulnerability Analogy**

A **Vulnerability** is like not having a lock on your back door.







An **Exploit** is like somebody going down the street checking to see if someone's backdoor is unlocked.

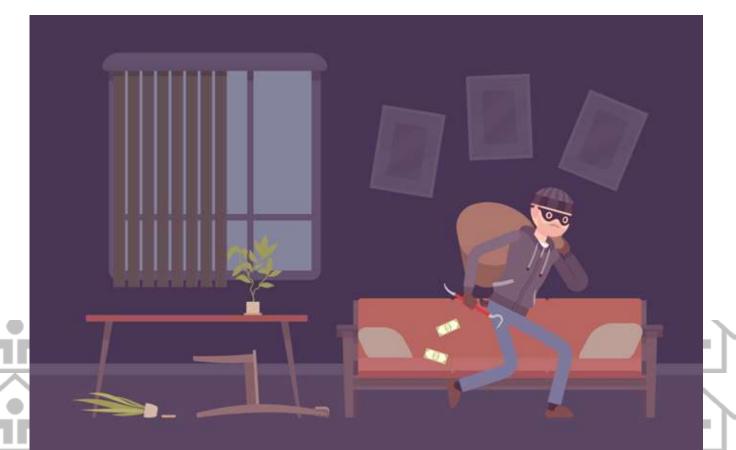




## **Attack Analogy**

An **Attack** is like somebody actually opening the door and going in.

Action





## **Data Breaches**

## Incidents vs Breaches

**Incident:** A security event that compromises the integrity, confidentiality or availability of an information asset. (Possible Loss)

**Breach:** An incident that results in the confirmed disclosure—not just potential exposure—of data to an unauthorized party.

(Actual Loss)

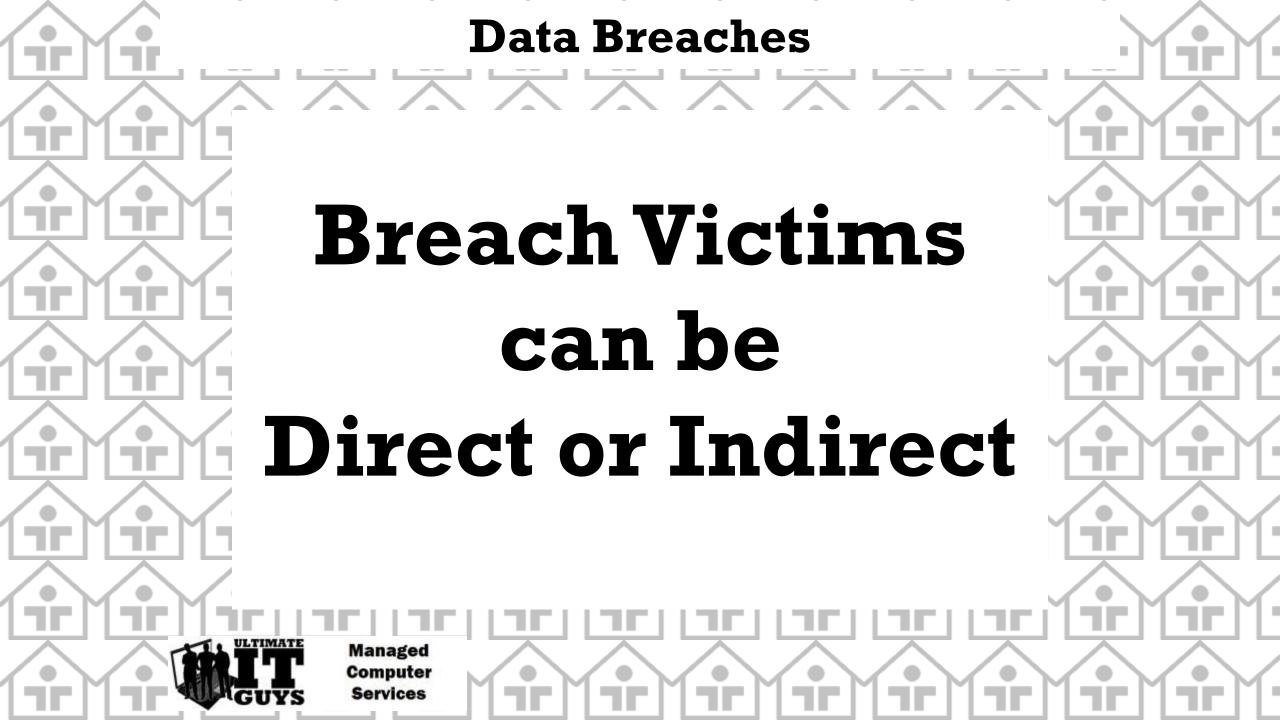


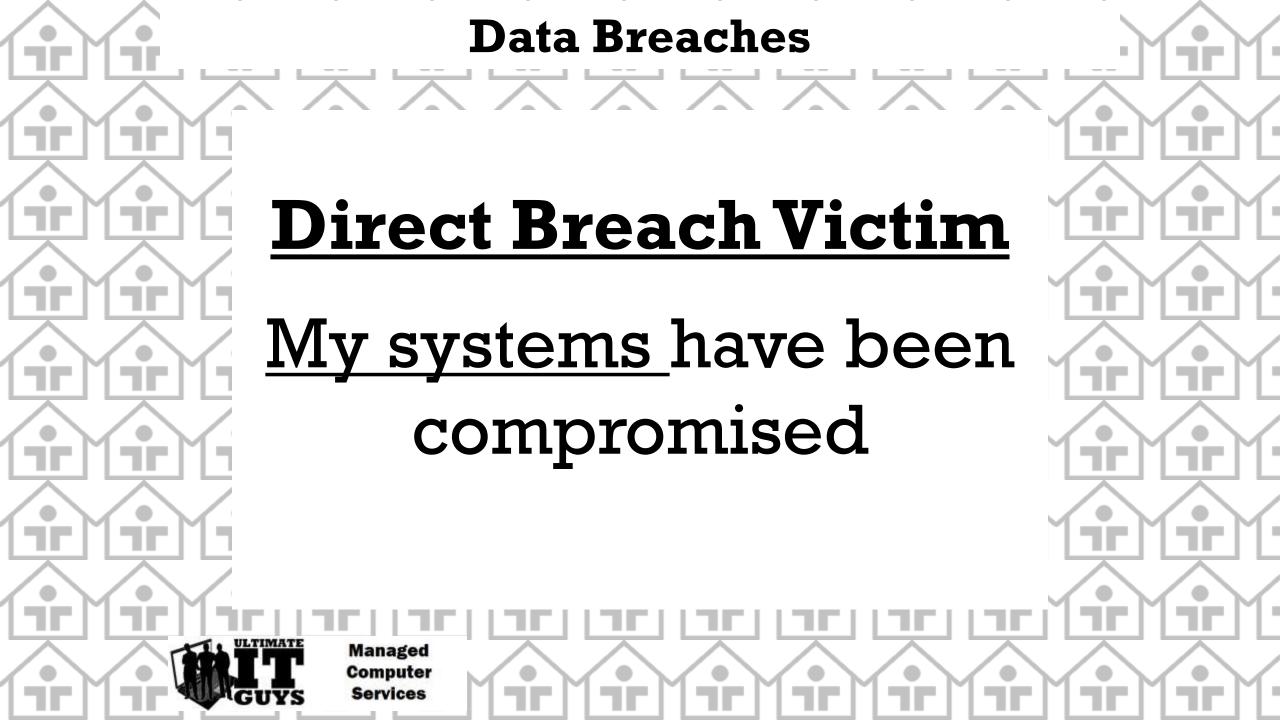
Managed Computer Services



Security

Availability





**Data Breaches** I haven't been breached. So, what is the

, what is to big deal?

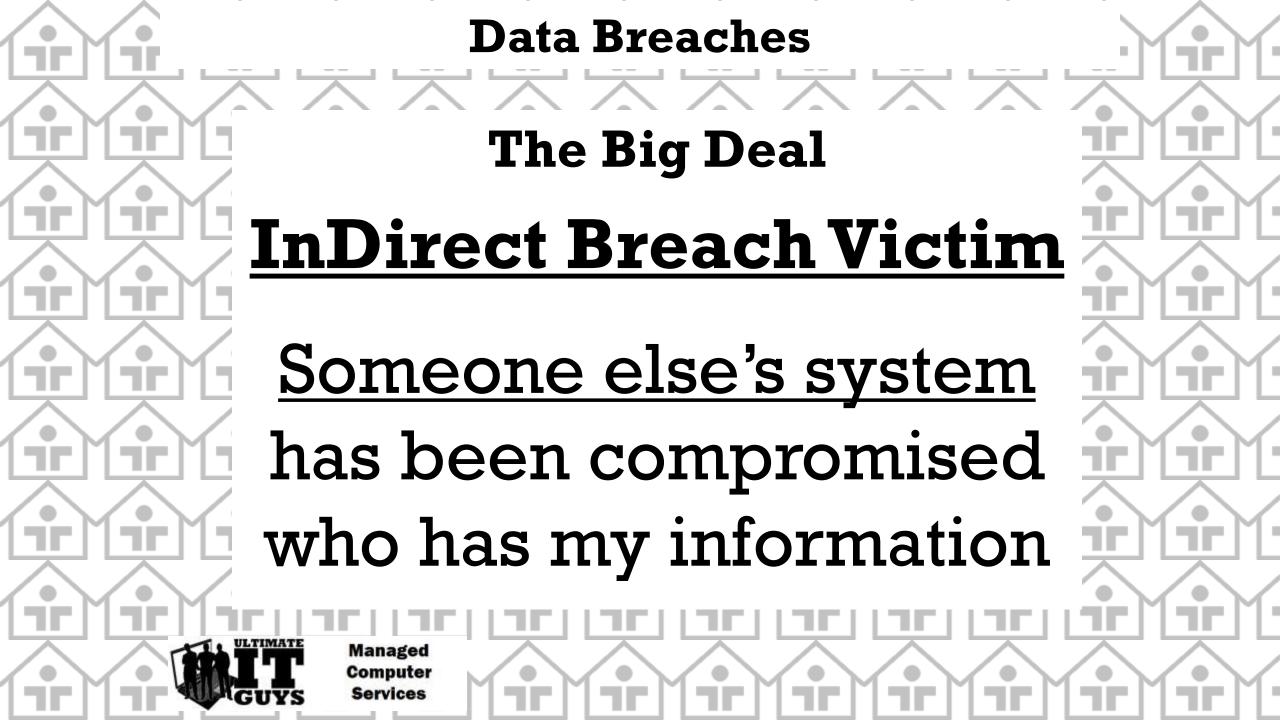


#### **Fact**

81% of hacking related breaches used stolen or weak passwords.





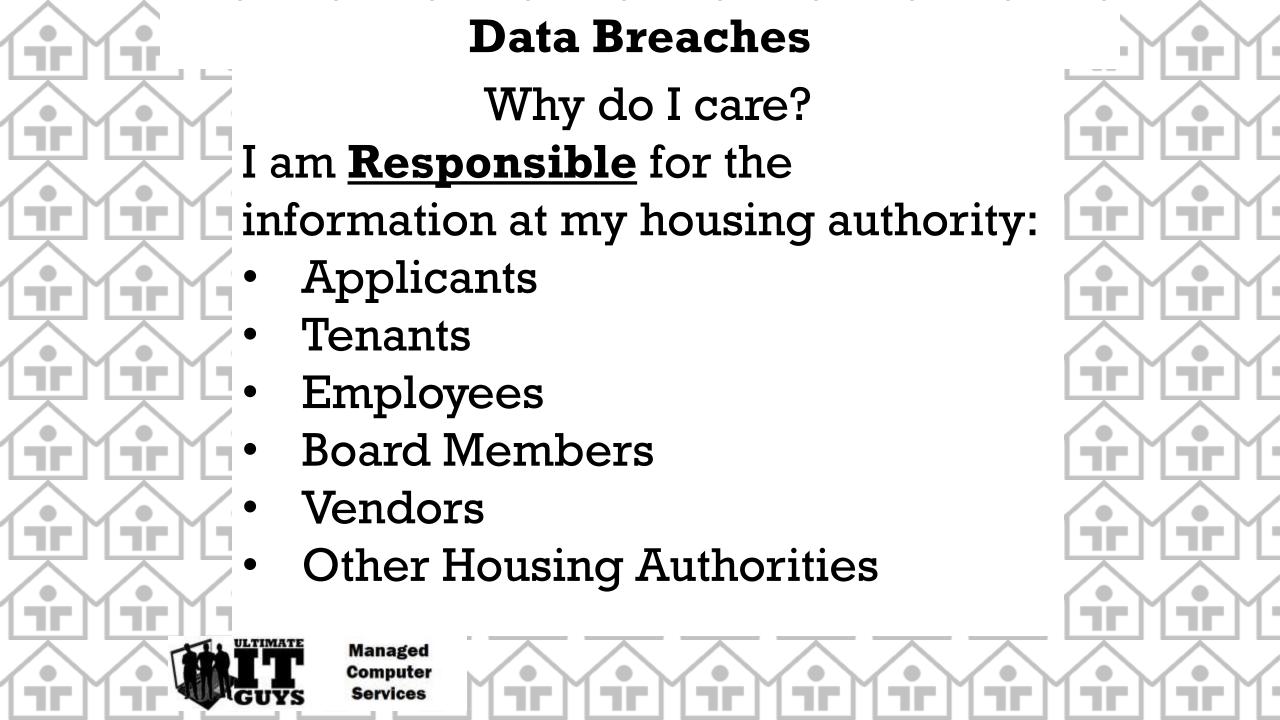




## The Big Deal

Indirect Victims
become a
Direct Target



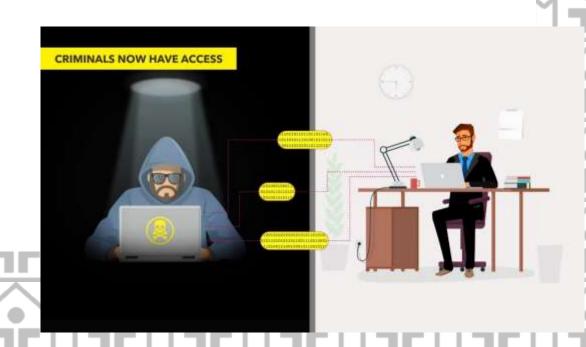


## **Data Breaches**

## How do Data Breaches Impact Me?

Increased Risk for targeted attacks

- Dark Web
- Phishing
- Email





- Data Breaches
- Ransomware
- Crypto-Jacking
- Email

- Phishing
- Dark Web
- Scams



















## Data Breaches



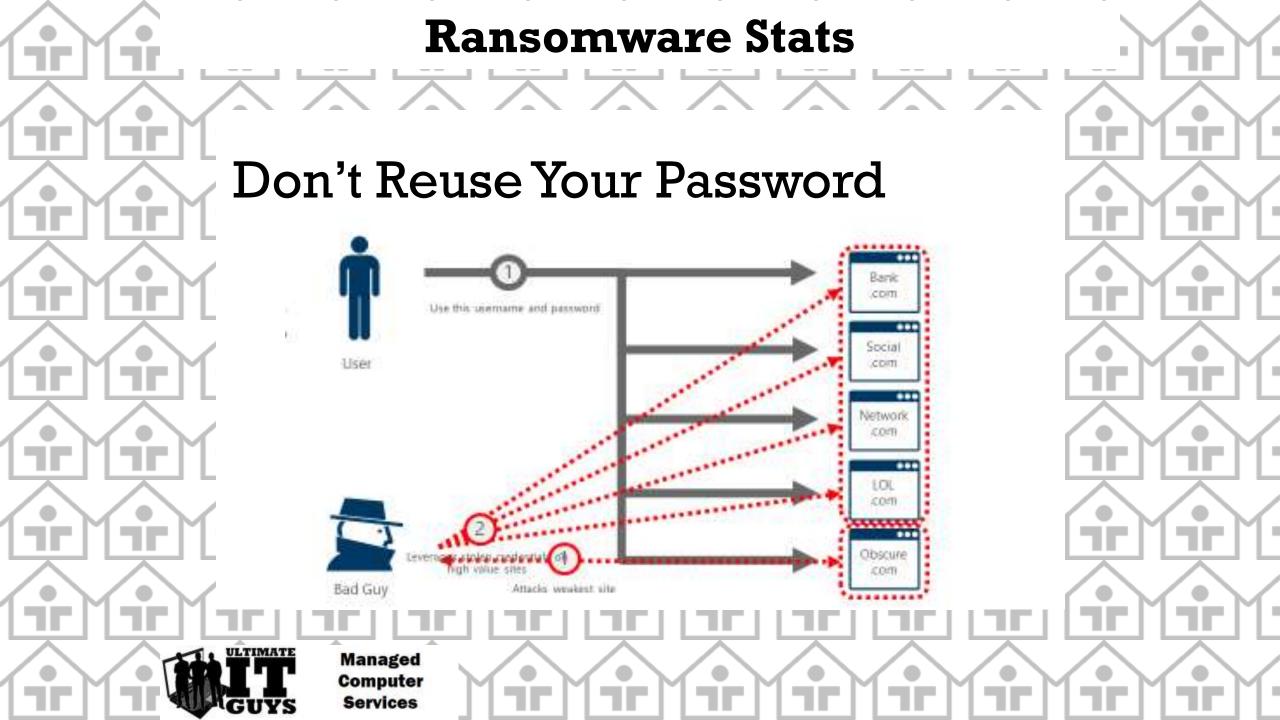
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#### You Have Been a Victim

Over 80% of Americans have their information for sale by criminals on the DarkWeb.





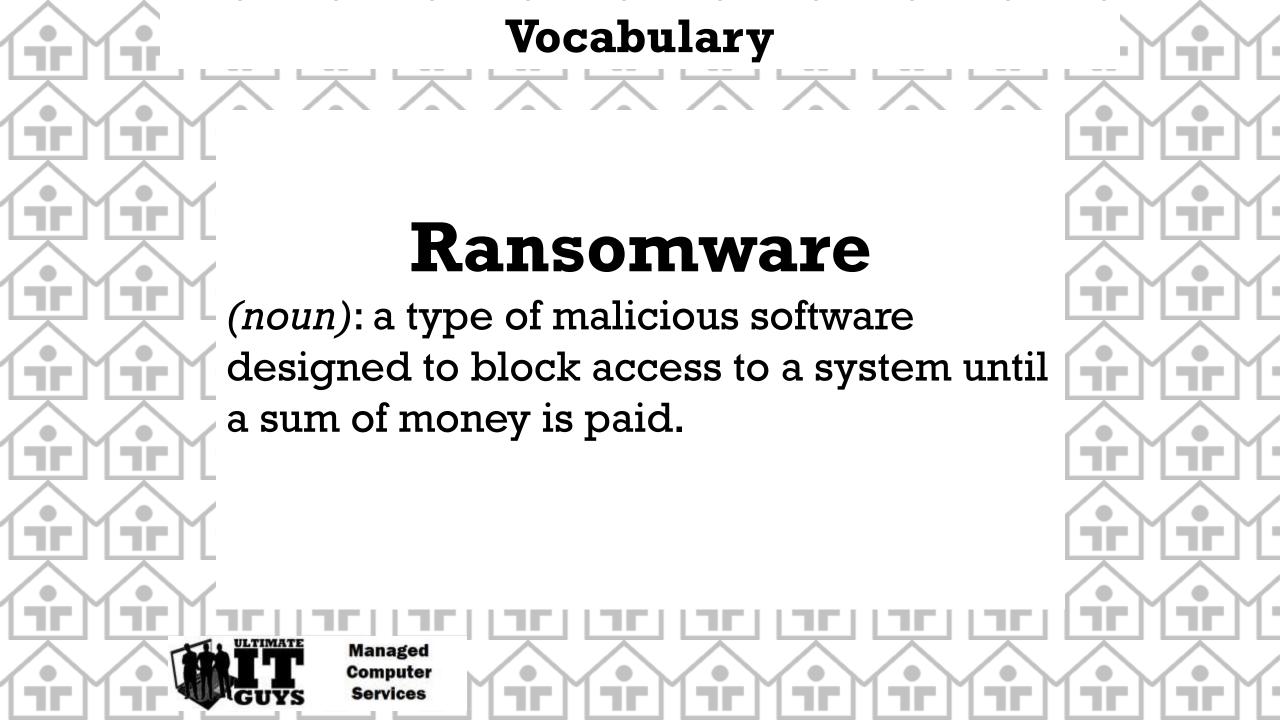




Ransomware



Computer Services



#### **Ransomware Stats**

## THE STATE OF RANSOMWARE AMONG SMBs



In the last 12 months

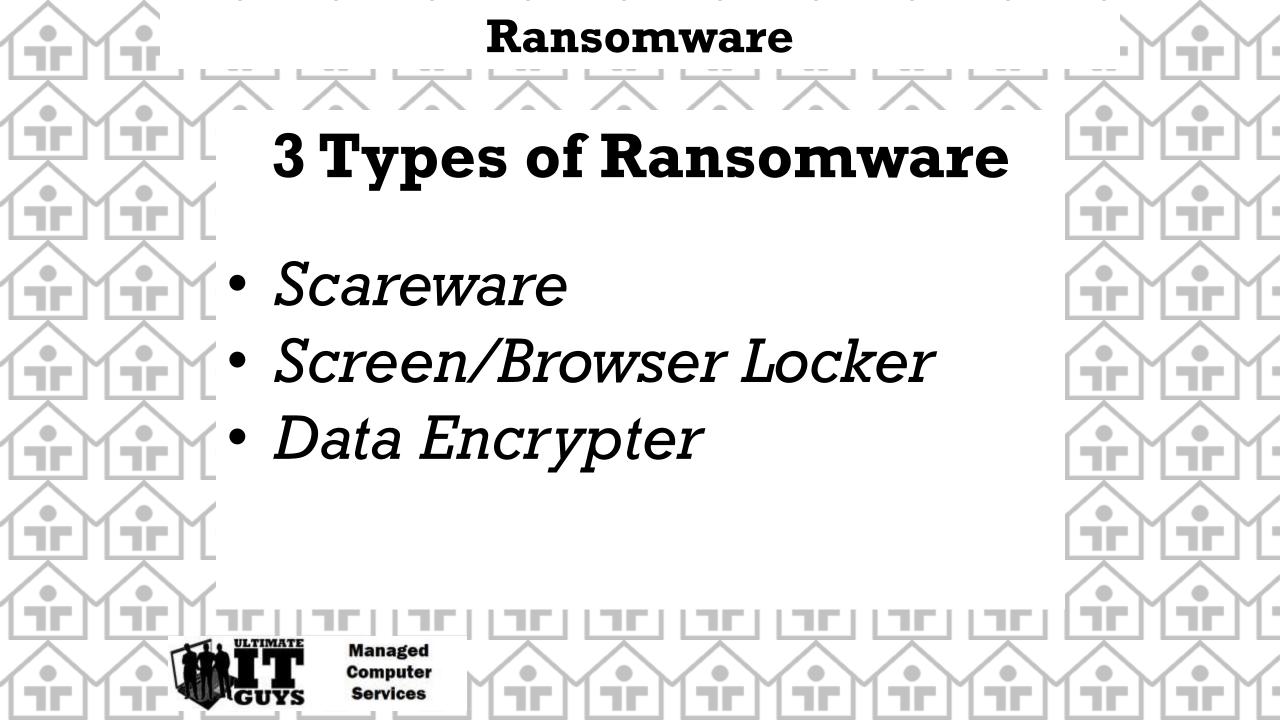
of organizations had to cease business operations immediately because of ransomware

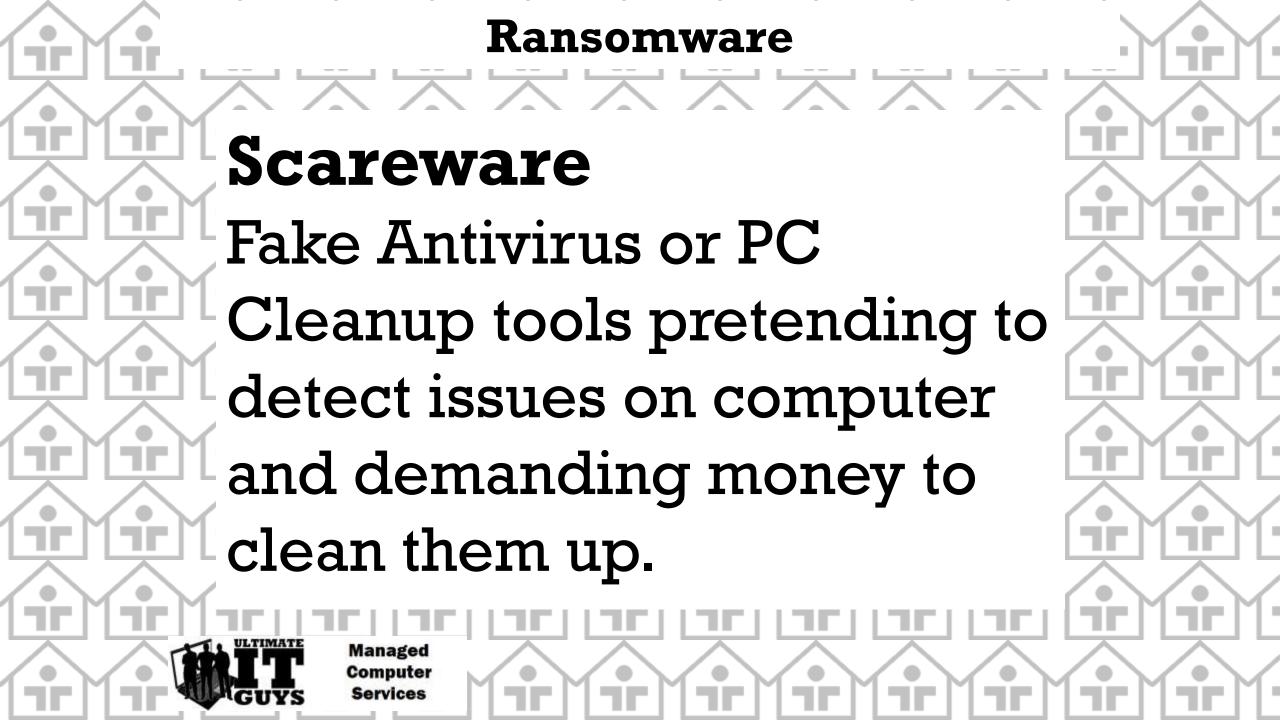
81% of businesses have experienced a cyberattack

66% have suffered a data breach

35% were victims of ransomware









Fake messages claiming illegal activity detected for which you need to pay fine.





## Data Encrypter

Messages say your files are encrypted and demand ransom money be paid in order to return them.





## Crypto-Jacking



Computer Services



## Crypto-Jacking Is the new Ransomware





# Crypto-Jacking Is a hidden cost \$\$\$\$





Email





## Why is Email a Risk

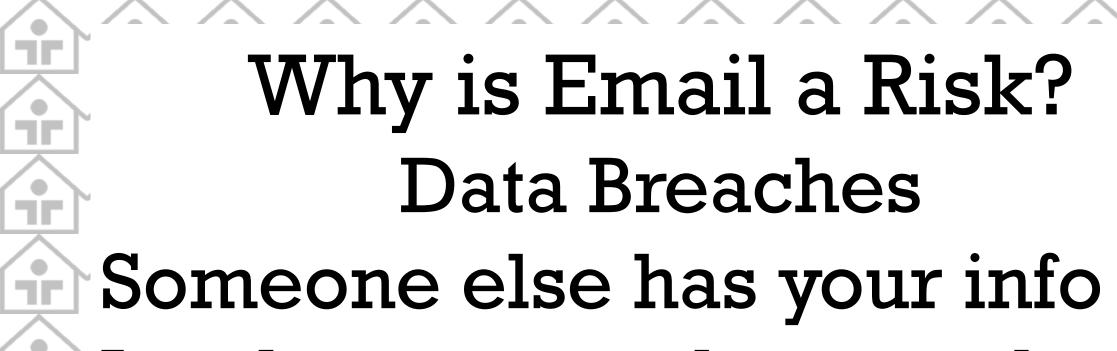


Computer Services



- Data Breaches
- Phishing
- Data Leakage
- Virus/Malware













## Why is Email a Risk?

Phishing







Data Leakage







Accidental or purposeful release of sensitive information



## Data Leakage

(83%) Employees have accidentally exposed sensitive customer or business data at their organization



## Data Leakage

## 5 Causes of accidental breaches by employees:

- 1. External email services (Gmail, Yahoo!, etc.)
- 2. Corporate email not protected
- 3. File sharing services (FTP sites, etc.)
- 4. Collaboration Tools (Slack, Dropbox, etc.)
- 5. SMS / Messaging Apps (G-Chat, WhatsApp, etc.)





Data Leakage **IS** a Data Breach



#### Risks

### Combating Data Leakage

- Encrypted Email
- Outbound Email Scanning
- Secure Remote Work (no usb)
- Secure file sharing (no usb)









Virus/Malware



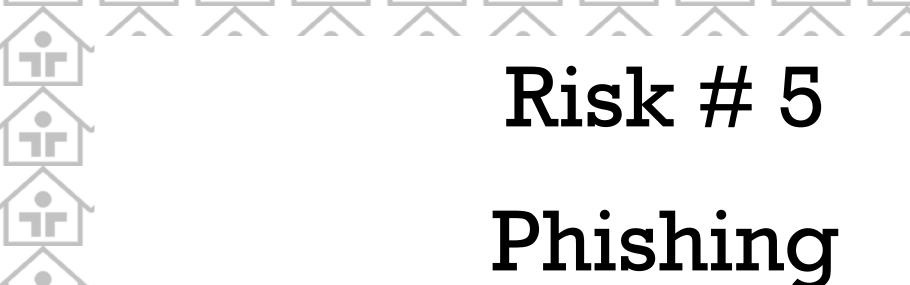
# Email is Dangerous Email is the preferred way of delivering attacks

- 66% of breach related malware is delivered by email
- 90% of complex attacks used email as one of the steps





#### Risks







#### What You Need To Know





### **Data Breaches Avoiding Phishing Business Email Email Filtering DNS** Filtering **Employee Training & Testing**

Managed Computer

#### **Risks**



### The Dark Web



Computer Services



# Dark Web

Dark Web – a subset of the internet where many hacker communities and organized crime groups hang out.













#### You Have Been a Victim

Over 80% of Americans had their information stolen from 3<sup>rd</sup> party websites.





# You Have Been a Victim er 20% of Americans h

Over 20% of Americans had their Social Security
Number stolen from 3<sup>rd</sup>
party websites.





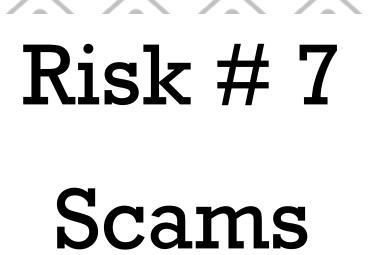


## Your information is now for sale on the Dark Web.





#### Risks





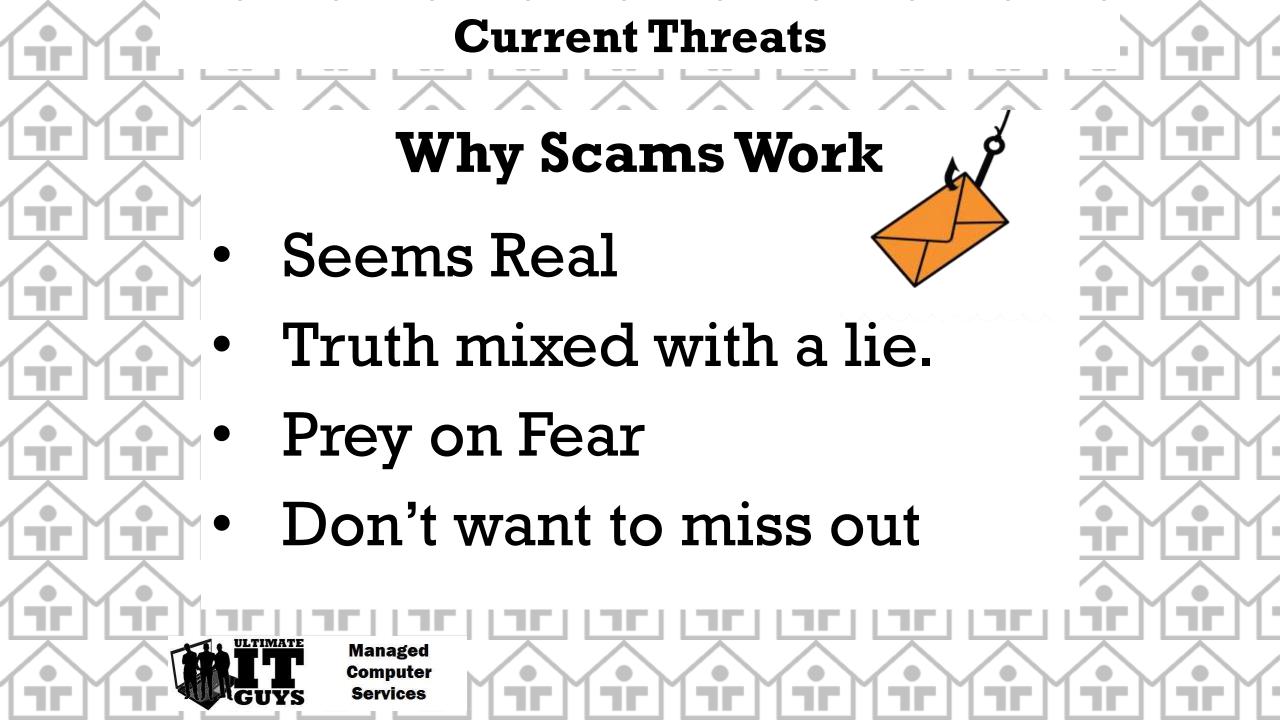
# Current Threats

What is a Scam?

Trying to trick you into giving up money, information or access.

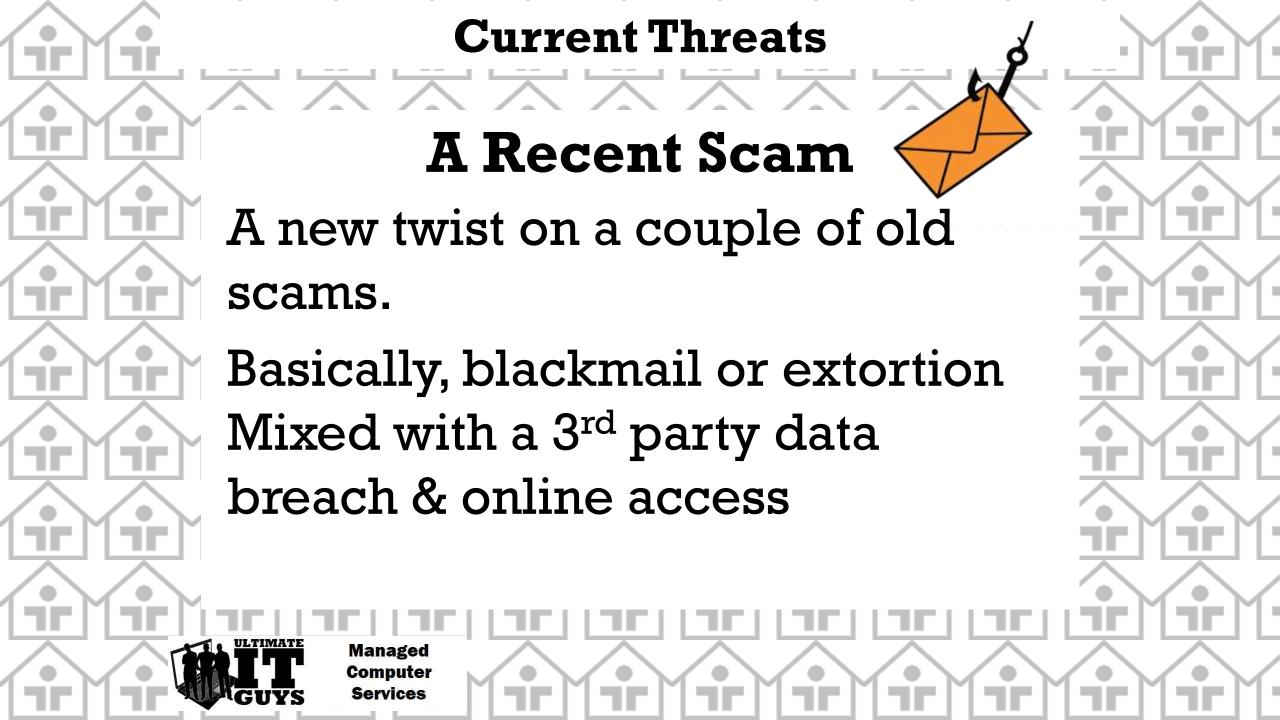


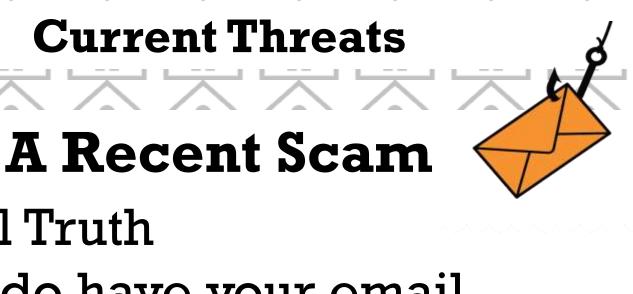












A Partial Truth

- They do have your email address & a password.
- They may or may not have access to your Facebook, email or other accounts.



Managed Computer

#### **Current Threats**

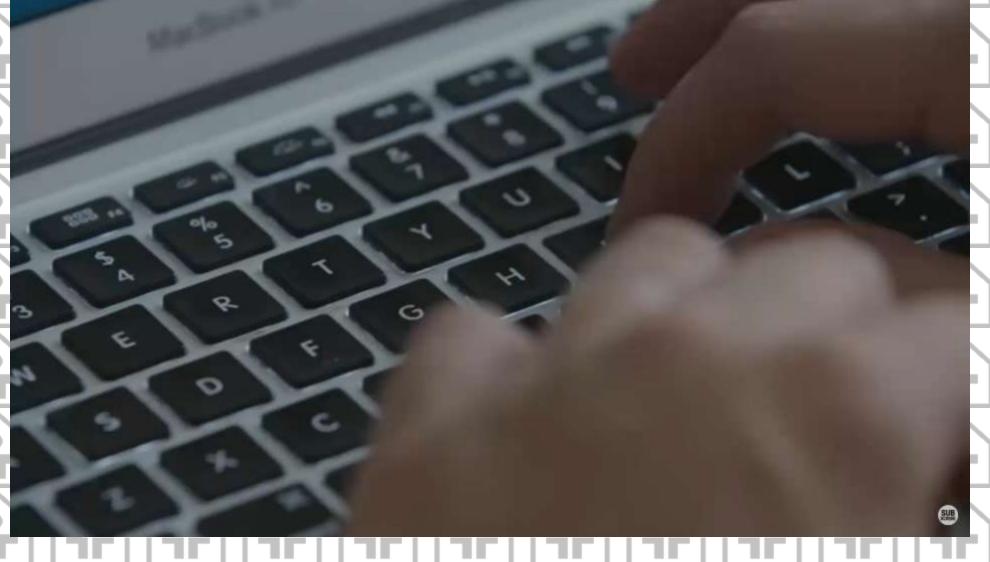
#### Hacking

Does this stuff really happen?





### Getting Hacked







# Find out if your information Is on the Dark Web





# Use Complex, but memorable passwords











#### Don't Reuse Passwords





# Use a Password Manager









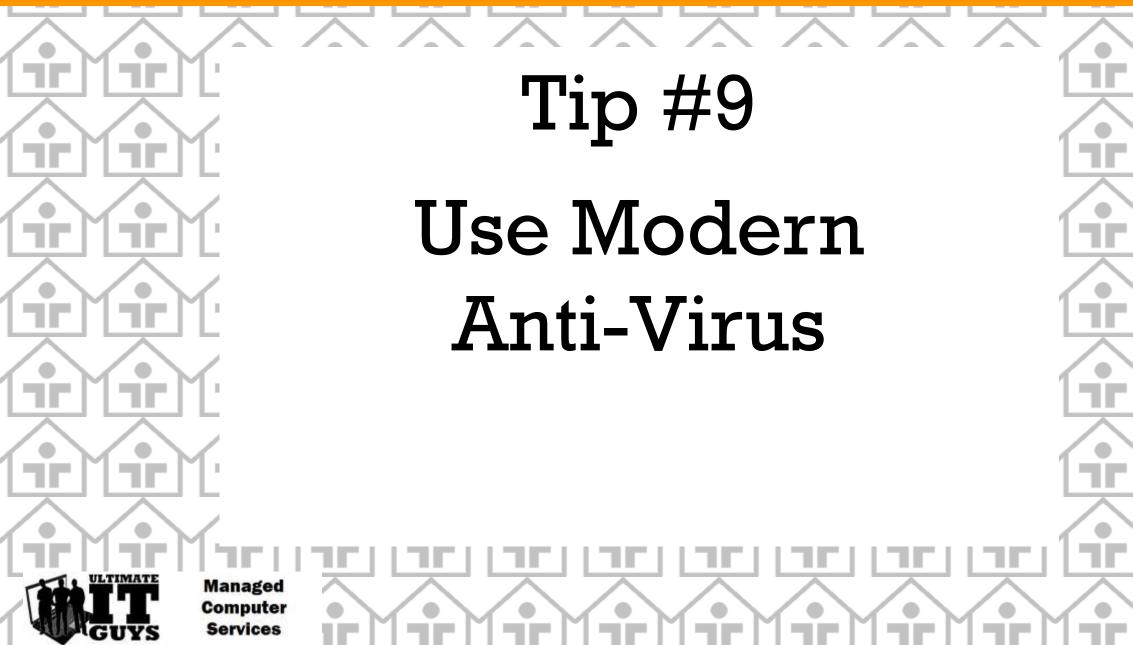
Outbound Scanning



Computer

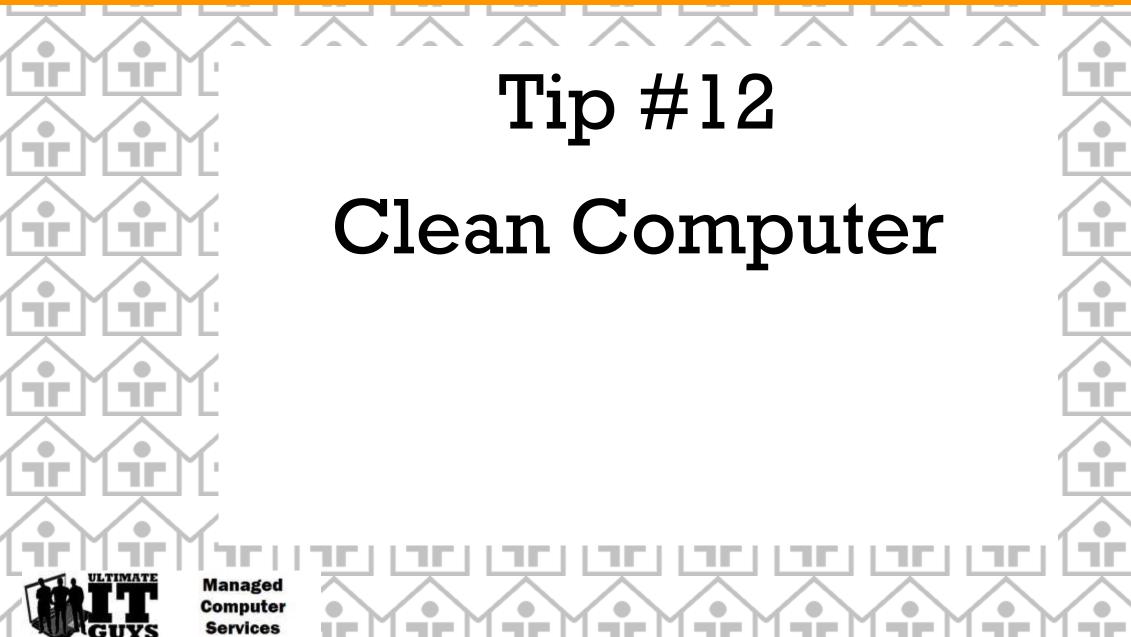














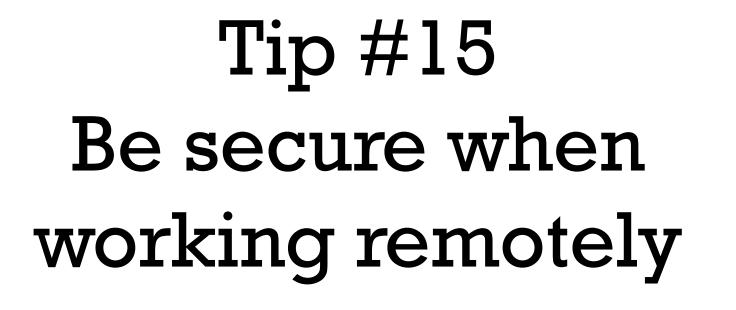


### Employee Training

- Security Training
- Phishing Simulation



Compute Services



No free wifi, No USB sticks, Use secure remote software





#### You Don't Have To Be a Victim!

## Requires Action

You can't continue to ignore the problem

(It isn't going away)



#### **Stay Safe**

#### Let us Help You!

#### Our Base Service Plan

- Preventative Maintenance
- Managed Anti-Virus Service
- Off-Site Backup
- Remote Support
- Business Email Service (w/Phishing, Virus & Spam Protection)













#### **Stay Safe**

#### Let us Help You!

- **Other Services**
- Dark Web Monitoring
- Advanced Network Protection
- Security Assessments
- VOIP Phone Service
- Managed Copier & Print Service
- Managed Toner Service





Managed Computer Services



### Questions?

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