onestep
Secure IT Services

Protect What You Connect

Security Starts with You

The Latest Byte

Quarterly IT/Security Business Magazine

www.onestepsecureit.com/the-latest-byte

Download the Companion eBook to Today's Talk

www.onestepsecureit.com/cyber-ebook

The Threats Every U.S. School Faces

U.S. schools are dealing with a very real threat that needs constant attention.

3,713

data breaches have occurred since 2005

37.6 M

individual records were affected as a result of data breaches

60%

of data breaches targeted colleges and universities

83%

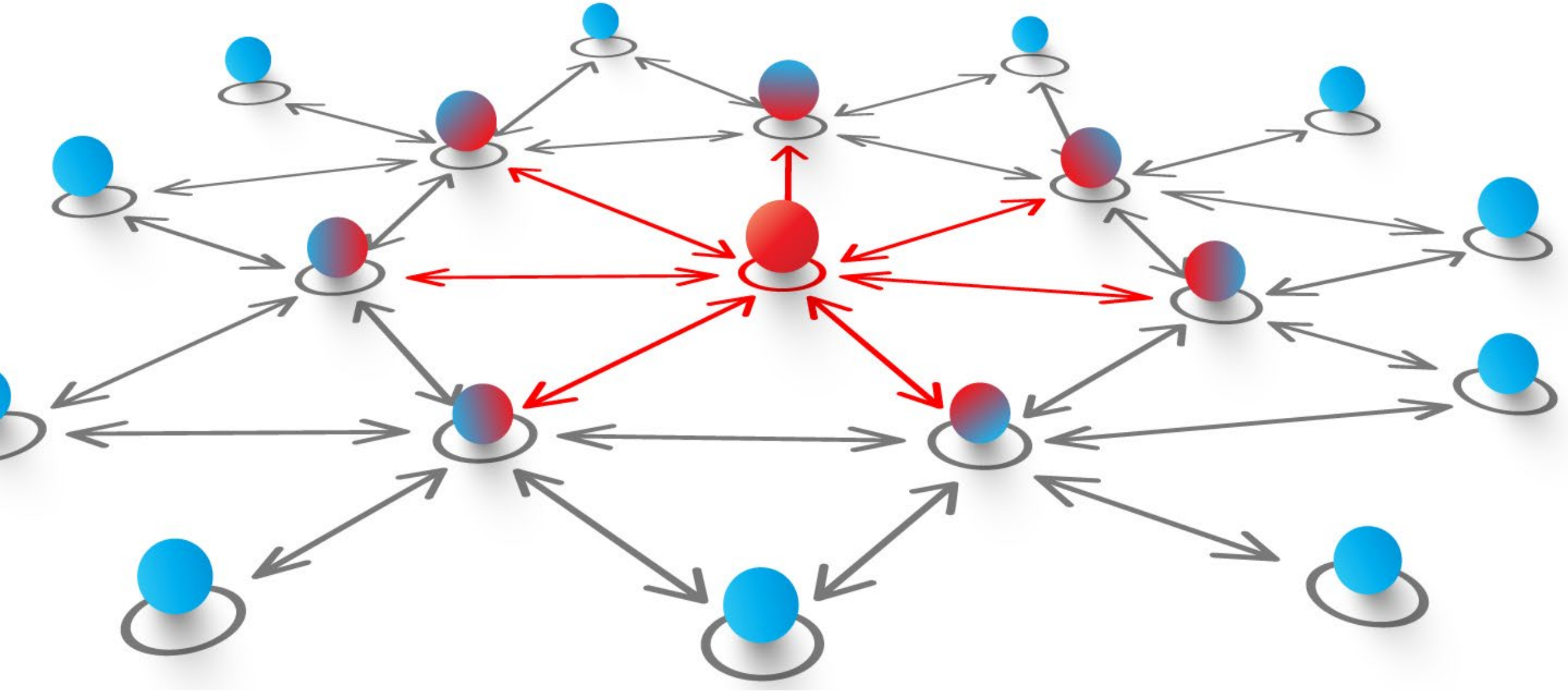
of the records affected were from post-secondary institutions

Cybersecurity is in the Hands of

EVERYONE

My Goal for Today is…

Everything Has a Starting Point



WITH GREAT POWER COMES GREAT RESPONSIBILITY

Voltaire

IT ALL STARTS WITH YOU

Business Email Compromise (BEC)

BEC is the **No. 2** cyber attack vector

Email attacks surged **293%** in the first half of 2024

Ransomware detection has risen **32%** from Q4-2023 to Q1-2024

A Moment of Overload

A True Story

Report It!

What Did I Do?

How Can We Prevent This?

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Implement AI-based email education and simulated phishing

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Two-factor authentication (2FA)

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Implement AI-based email education and simulated phishing

Two-factor authentication (2FA)

PRO TIP: When asked if this is a “trusted” computer, always select NO

Quick Survey

Do you have a safe environment that encourages reporting?

How Can We Prevent This?

Implement AI-based email education and simulated phishing

Two-factor authentication (2FA)

PRO TIP: When asked if this is a “trusted” computer, always select NO

Implement a clear and easy reporting process

REMEMBER…

IT ALL STARTS WITH YOU

Your Email Address is Key to Cybersecurity

People often overlook how critical their email is for security, using just one or two addresses for everything is just not enough to be secured.

Email Aliases

Alternative email addresses that forward to your primary email account.

Help protect personal data and provide an extra layer of protection

Easy to set up and are offered for free by most email providers

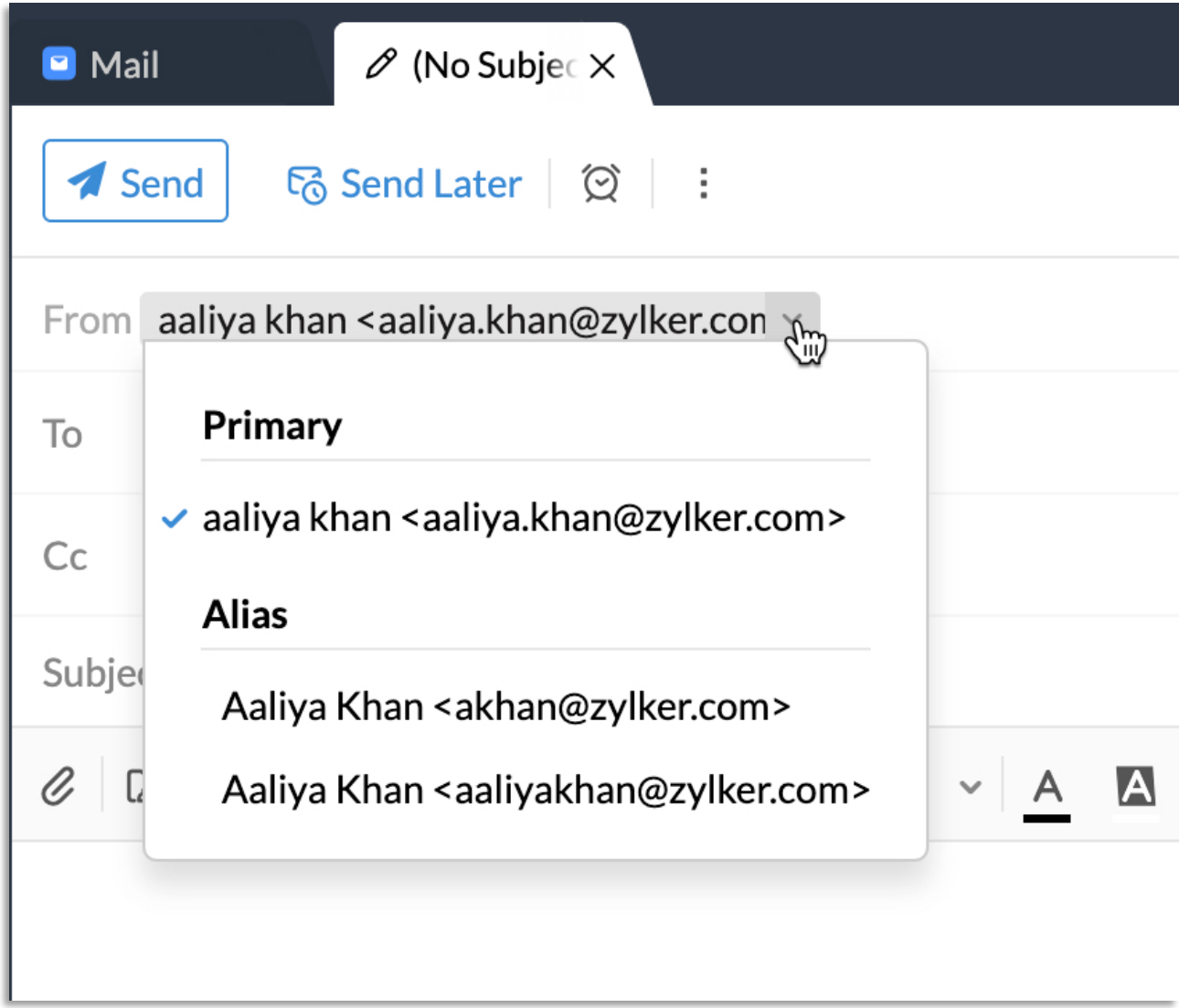
Help manage junk and protect your privacy

Easy to delete or replace if compromised

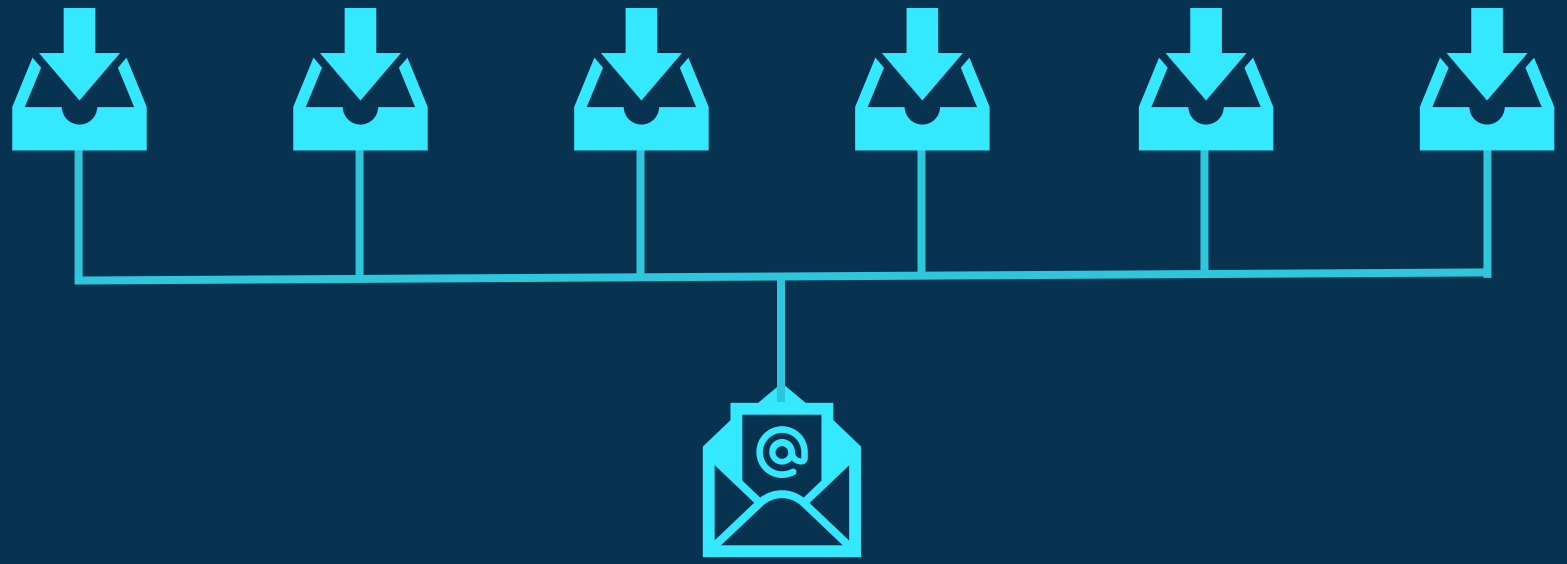
Email Alias Pro Tip

Create one email alias for every new online account you create.

It may seem overwhelming, but it's easier than you think.



Creating Email Security

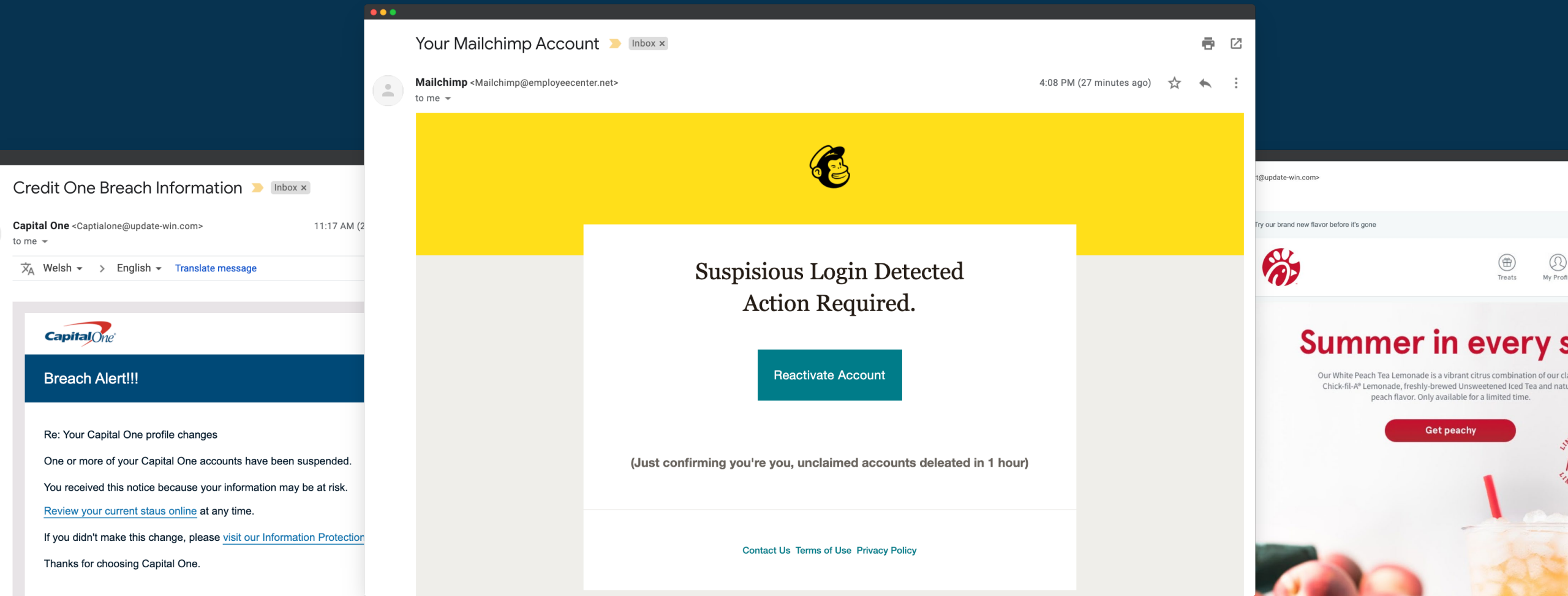


By compartmentalizing your email addresses, you're really taking a big step forward to protecting yourself.

Let’s Talk About Links & Attachments

To click or not to click… should always be the question.

The Bad Guys are Working Hard to Scam Us



M

Meta<meta-noreply@account-facebook.com>

To: [redacted]

Reply | Reply all | Forward

Fri 8/9/2024 4:46 PM

Some content in this message has been blocked because the sender isn't in your Safe senders list. Trust sender | Show blocked content

Retention: Never Delete

Dear [redacted],

We noticed that your recent advertisement might not fully comply with our advertising guidelines. To ensure a positive experience for all users, please review our policies and make any necessary adjustments to your ad.

If you believe your ad meets our guidelines, you can request a review by clicking the "Confirm" button below. Our team will carefully evaluate your request and provide a prompt response.

Confirm

Please note that repeated violations of our polices may result in the deactivation of your advertising account.

Best Regards,

Meta Team Support

B

Billing<billing@services-microsoft.com>

To: [redacted]

Reply | Reply all | Forward

Wed 7/3/2024 3:38 PM

Retention: Never Delete

INV_5QR7-T2BX-9F6P.pdf
107 KB

Microsoft

Thanks for shopping with Microsoft

Thanks for your order on July 02, 2024.

Hello [redacted],

The amount below will be charged within 7 days. You can manage your subscriptions for One Step Data, Inc on your organization subscriber portal.

Go to Microsoft 365 Supplier Center

Billing Information	Order Id
[redacted]	5QR7-T2BX-9F6P

Steps to Consider When Working with Email

1. Slow down, look, and then proceed with caution
2. Implement AI-based email education and simulated phishing
3. Look for traits that you would recognize in the email
4. Hackers are sloppy with their use of the English language

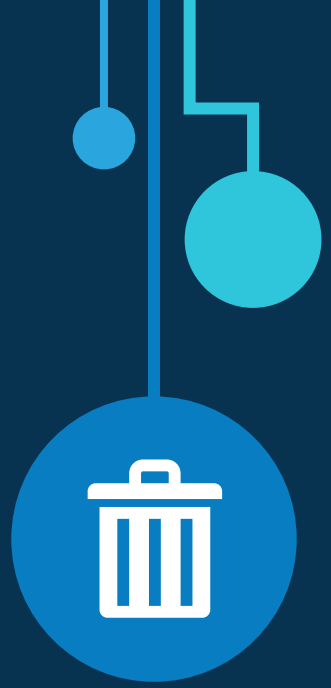
Steps to Consider When Working with Email

5. Ask yourself if you're expecting a link or file from this person

6. Always hover your mouse over a link to see its true destination

7. Pro Tip - For all sensitive sites, like banks, never click on the links

Also, consider these steps when receiving any texts or messages.



WHEN IN DOUBT, DELETE

REMEMBER…

IT ALL STARTS WITH YOU

Strong Passwords=Strong Protection

Following best password practices is essential for ensuring both personal and organizational security.

TIME IT TAKES A HACKER TO BRUTE FORCE YOUR PASSWORD IN 2024

Number of Characters	Numbers Only	Lowercase Letters	Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters, Symbols
4	Instantly	Instantly	3 secs	6 secs	9 secs
5	Instantly	4 secs	2 mins	6 mins	10 mins
6	Instantly	2 mins	2 hours	6 hours	12 hours
7	4 secs	50 mins	4 days	2 weeks	1 month
8	37 secs	22 hours	8 months	3 years	7 years
9	6 mins	3 weeks	33 years	161 years	479 years
10	1 hour	2 years	1k years	9k years	33k years
11	10 hours	44 years	89k years	618k years	2m years
12	4 days	1k years	4m years	38m years	164m years
13	1 month	29k years	241m years	2bn years	11bn years
14	1 year	766k years	12bn years	147bn years	805bn years
15	12 years	19m years	652bn years	9tn years	56tn years
16	119 years	517m years	33tn years	566tn years	3qd years
17	1k years	13bn years	1qd years	35qd years	276qd years
18	11k years	350bn years	91qd years	2qn years	19qn years

HIVE SYSTEMS

Password Pro Tip

Whenever possible…

Use a unique complex password	**Use Two-Factor Authentication (2FA)**	**If possible, create a unique alias email**

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Use a unique complex password	**Use Two-Factor Authentication (2FA)**	**If possible, create a unique alias email**

Want to know if you've been compromised?

https://haveibeenpwned.com/

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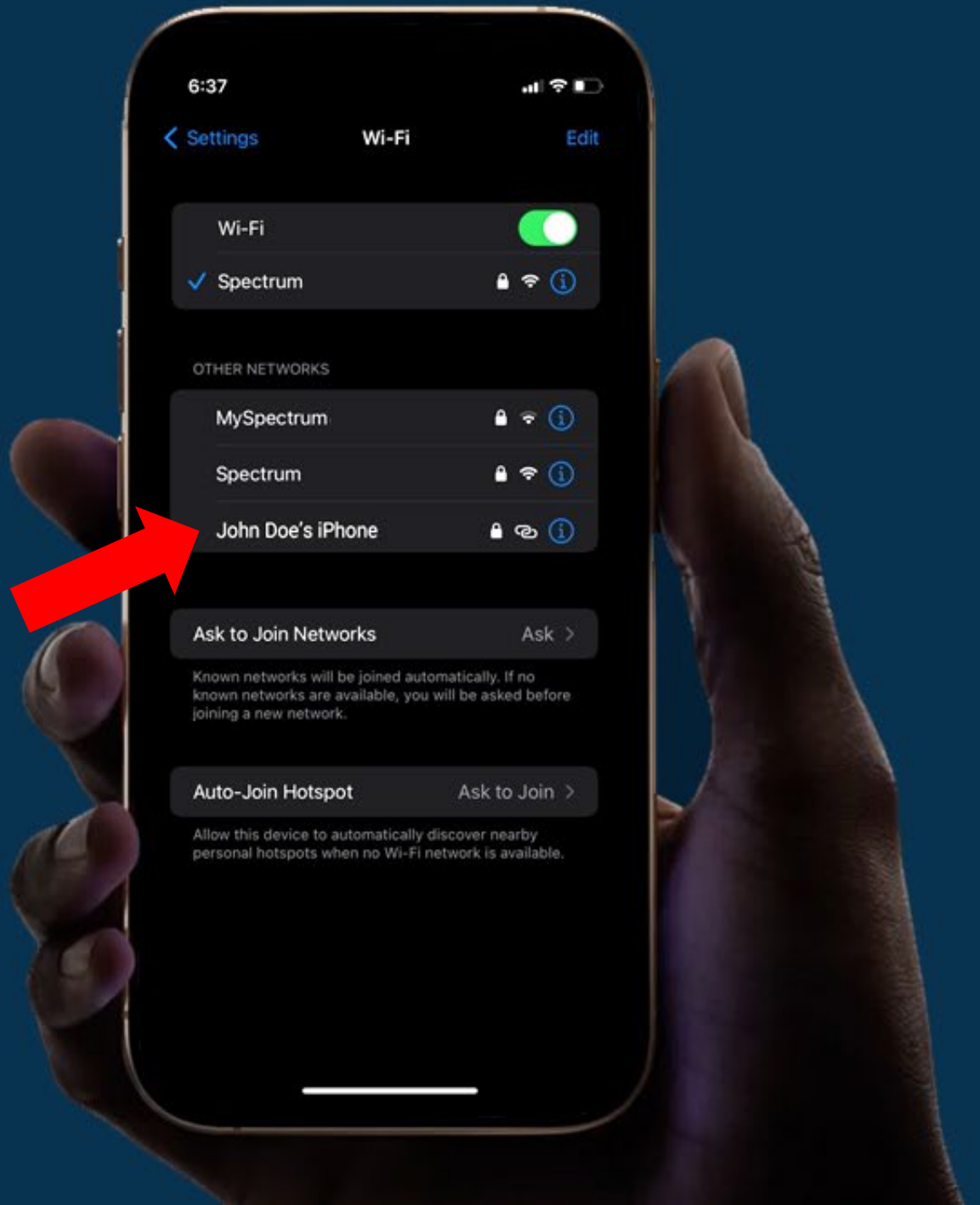
Protecting Our Mobile Devices

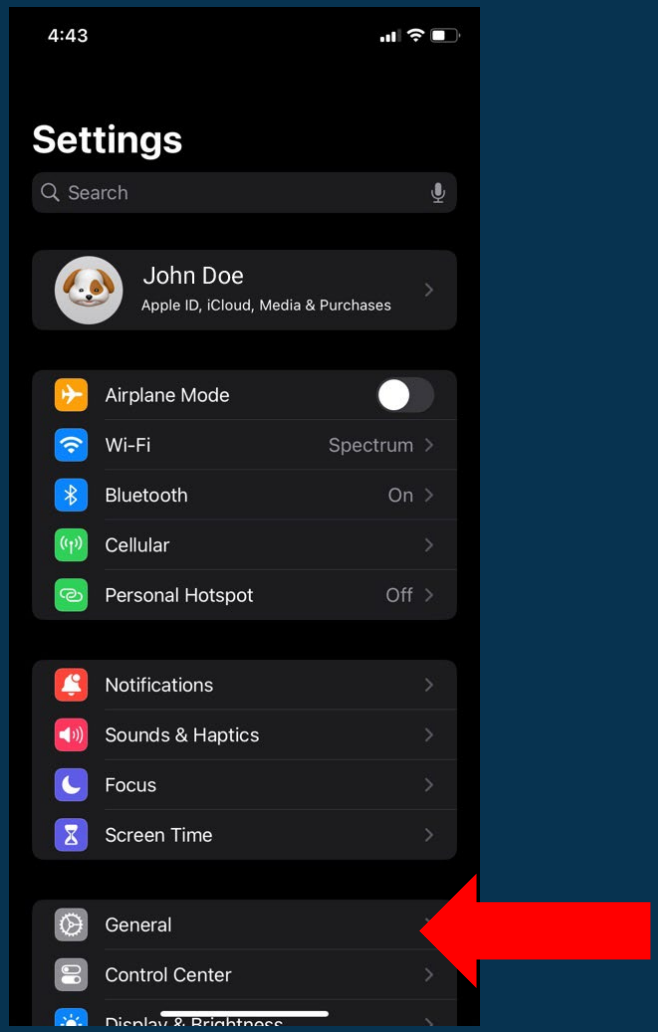
Mobile devices are an integral part of our daily lives, but without proper security, they can expose our most private information to cyber criminals.

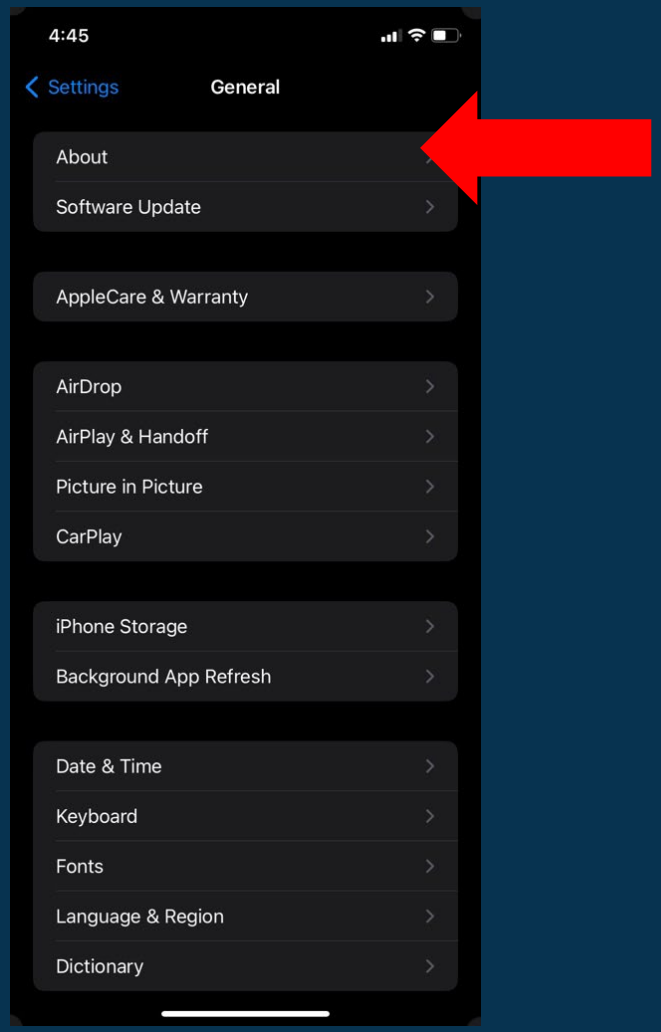
Take out your

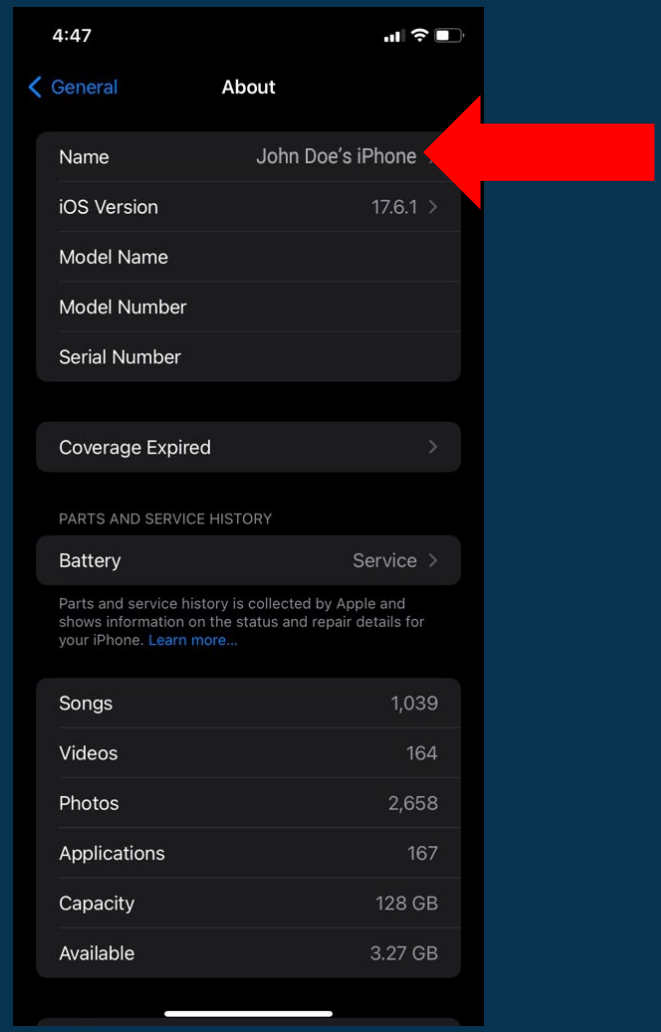
iPhone



Let’s Change the Name





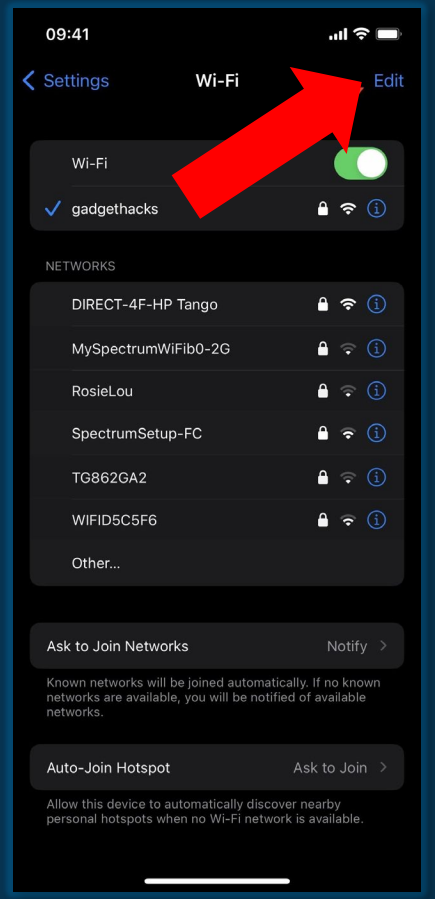


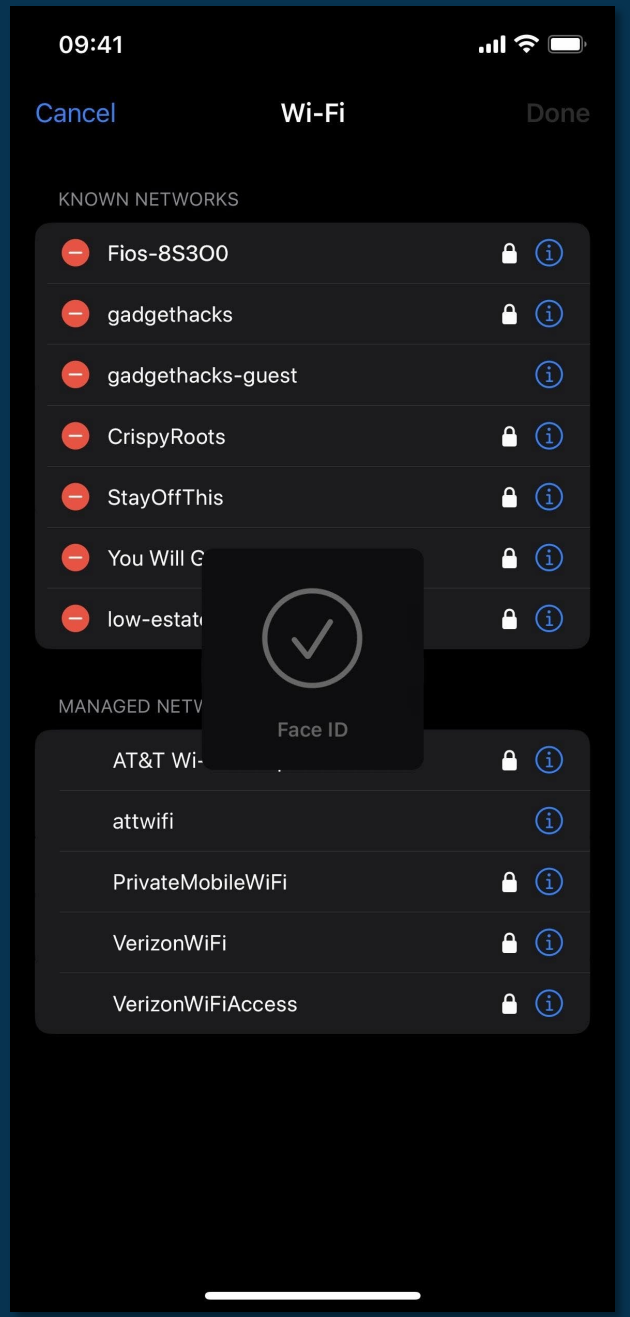
Wi-Fi

Still using public?

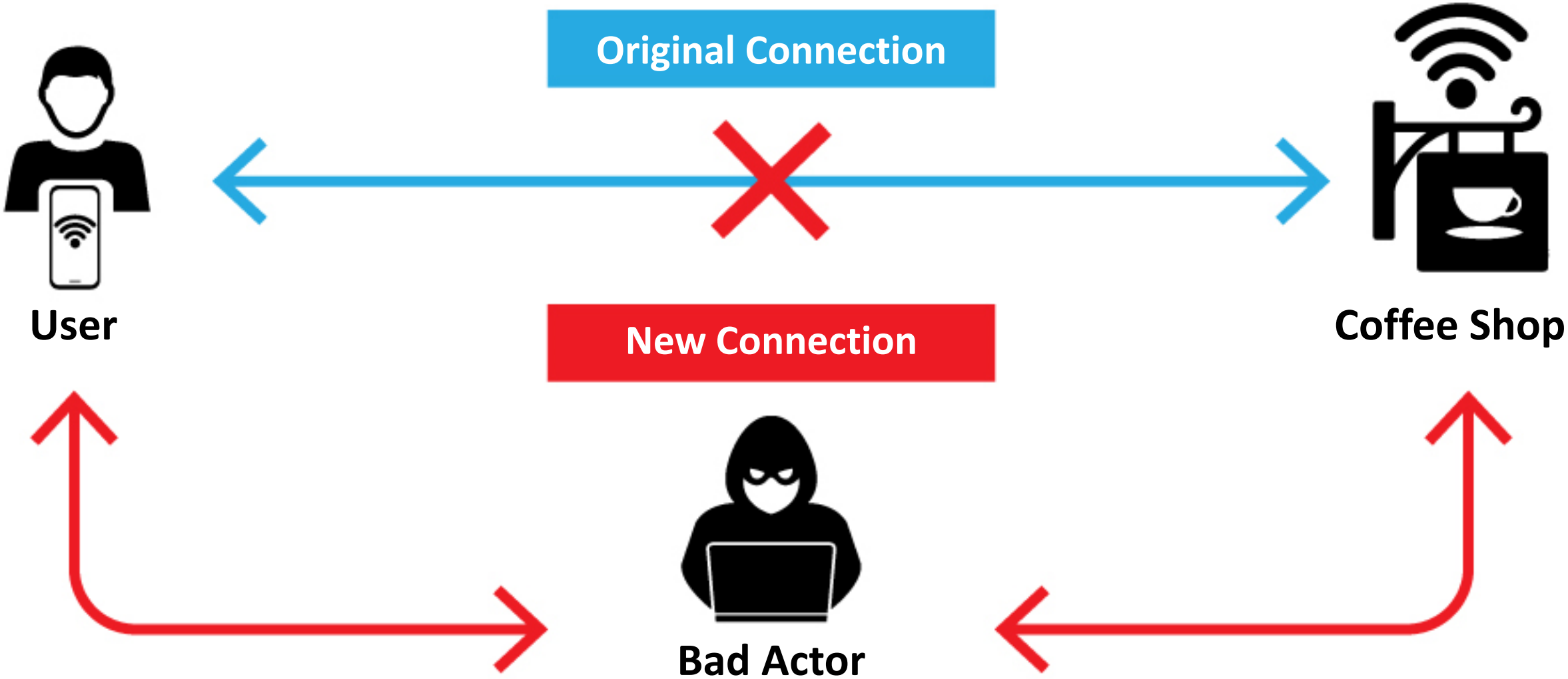
Our Phones...

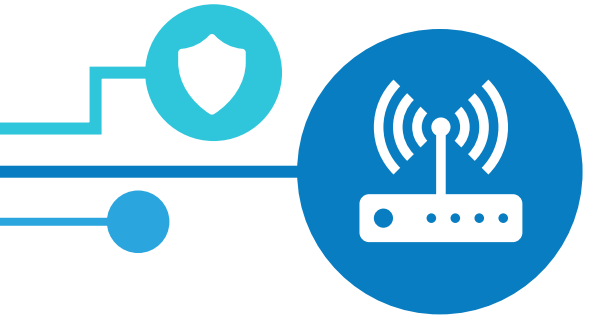
store a record of every Wi-Fi network we've connected to, creating a "preferred connection list" that prioritizes them for automatic reconnection in the future.





Man-in-the-Middle Attack





How to Protect Yourself

- Delete unnecessary previously connected Wi-Fi networks
- Turn off Wi-Fi when not in the vicinity of a trusted network or while traveling to unfamiliar places
- Configure the Wi-Fi settings to:

  Ask to Join Networks: **OFF** Auto-Join Hotspot: **NEVER**

- Use a VPN service if you must use a public network

When You Realize Your Phone is Gone

Mobile Device Theft/Loss

Protecting Lost Mobile Devices

- Encrypt your hard drive and use a complex password on your laptop
- Use at least a 6-digit passcode
- Configure phone applications to request secondary verification
- If you have iOS 17.3 or above, activate Stolen Device Protection
- Turn on Erase Data

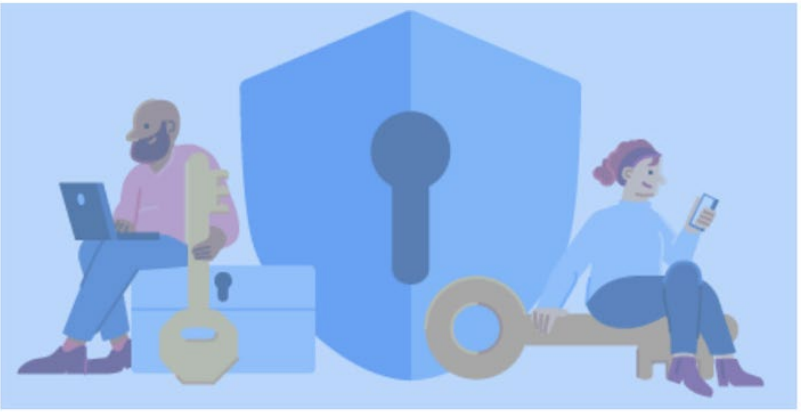
REMEMBER…

IT ALL STARTS WITH YOU

Oversharing on Social Media Puts You at Risk

Publicly sharing personal information on social media poses increasing risks to your security, especially with the rise of AI.

Social Media Security



Welcome to Facebook Protect

Your account has the potential to reach a lot of people, so we require stronger security. We built this security program to help defend accounts like yours.
Learn more

- We've already turned on advanced security protections for you at login.
- Next, we'll walk you through the program details and help you fully enable Facebook Protect.

Next

You must turn on Facebook Protect by **March 22, 2022**.

Don’t Make It Easy for the Criminals

Social Media Pro Tip

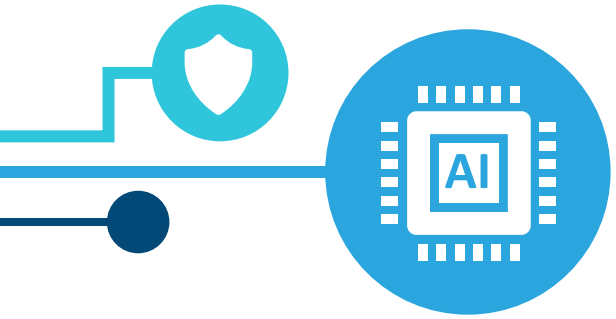
Before you post, consider what you're sharing and whether it could potentially be exploited by malicious individuals.

A.I. is The Wild Wild West

AI operates in an unregulated, rapidly evolving environment, with bad actors exploiting its potential before proper safeguards can be put in place.

Thought He Was Talking with…

A True Story



How to Protect Yourself and Your School from AI Scams

- Be alert for any secretive financial requests
- Be alert for unscheduled high-demand meetings
- Always take a step back and don’t take immediate action
- Create a verbal passphrase that no one knows and validate as well

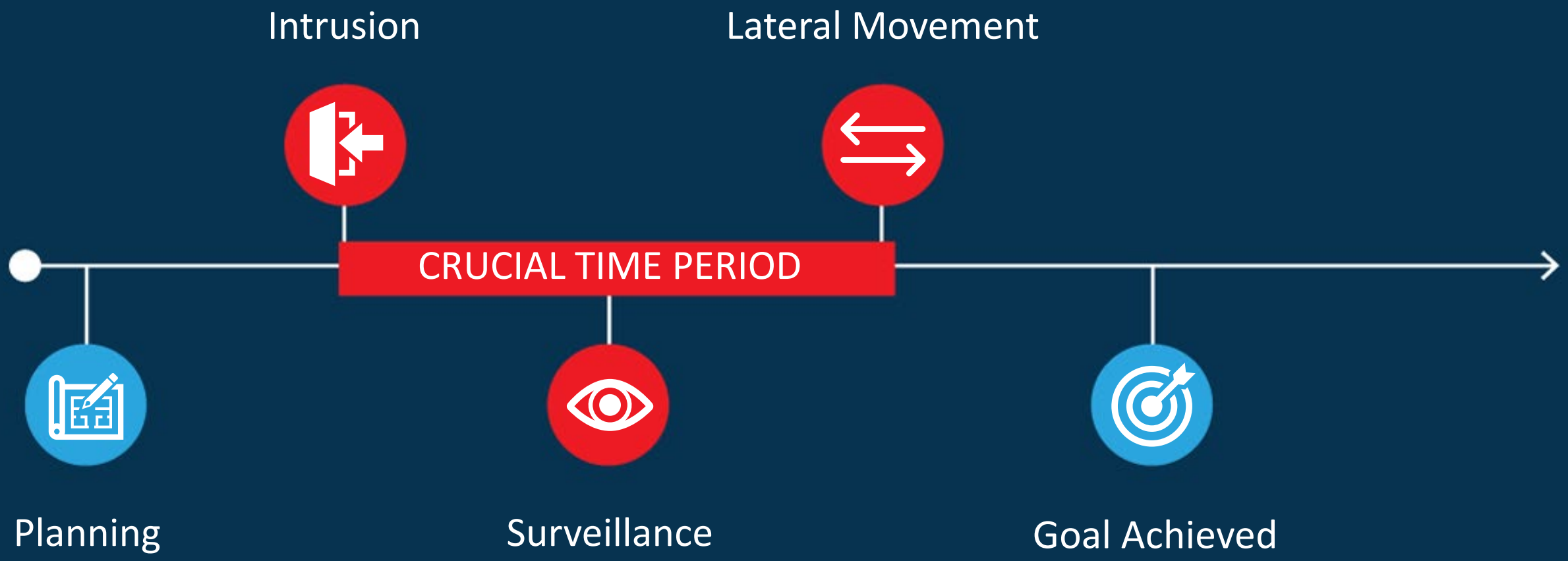
Don’t Fall Victim to Wire Fraud

Wire transfers can be a convenient way to send and receive money. That's why bad actors find them so attractive.

Can You Send the Payment?

A True Story

Hacker Timeline



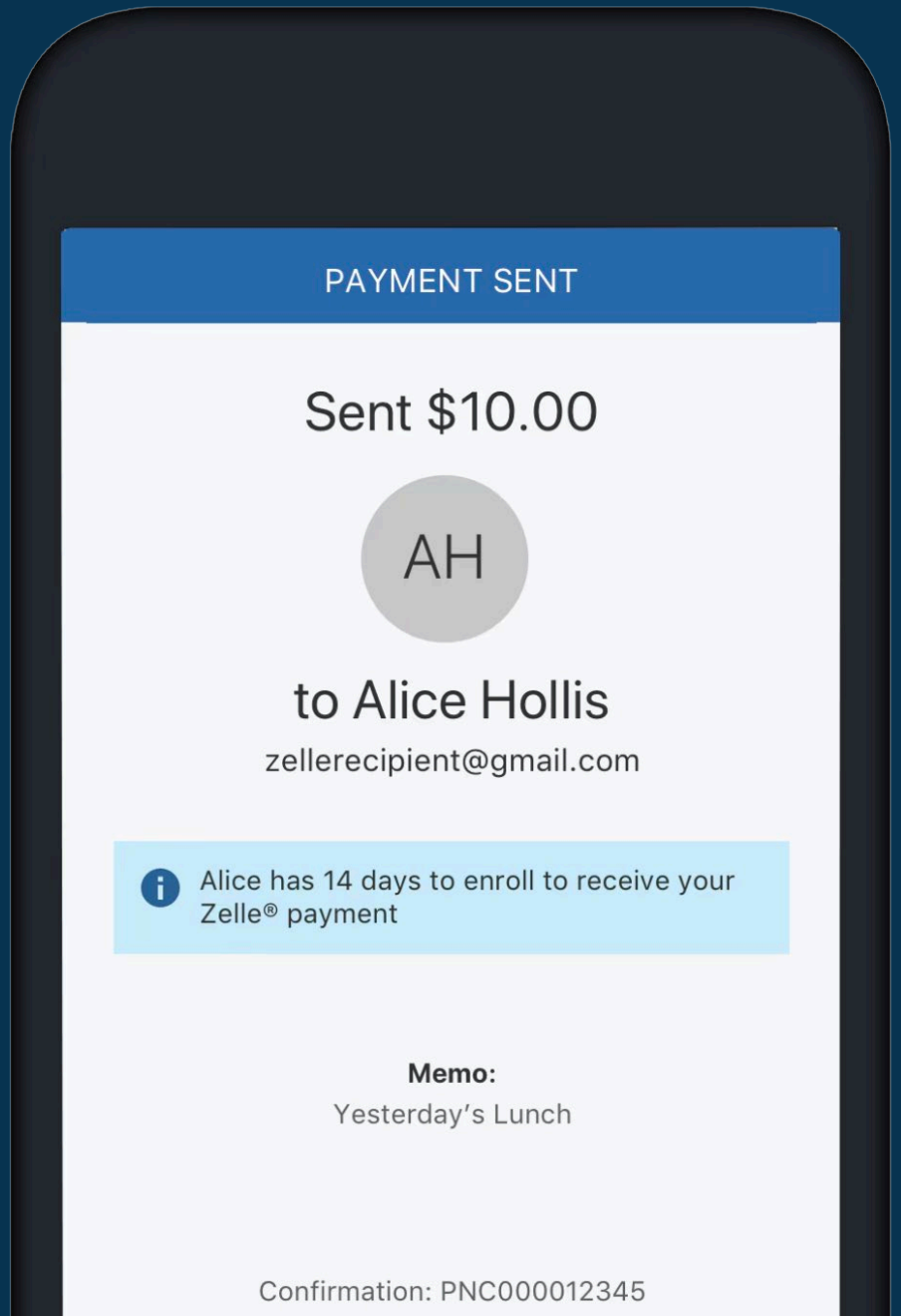
Ways to Prevent Wire Fraud

- Don’t rely on email alone
- Reach out to the person directly on a valid phone number
- Implement a verbal passcode and verify each other
- Set up your wire transfers to require a secondary approval

Wiring Funds Pro Tip

For first-time transfers, send a small, random amount.

Then, contact the recipient directly, on a secured line, to confirm it was received.

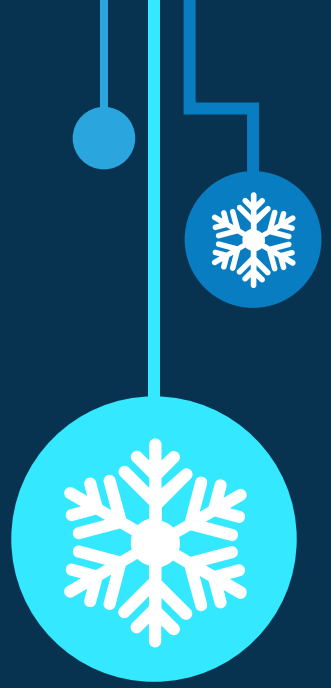


REMEMBER…

IT ALL STARTS WITH YOU

Protecting Your Credit

Protecting your credit from bad actors is crucial to prevent identity theft, financial loss, and long-term damage to your credit score.



FREEZING YOUR CREDIT

Freezing Your Credit

EQUIFAX: www.equifax.com or call 1-800-349-9960

TRANSUNION: www.transunion.com or call 1-888-909-8872

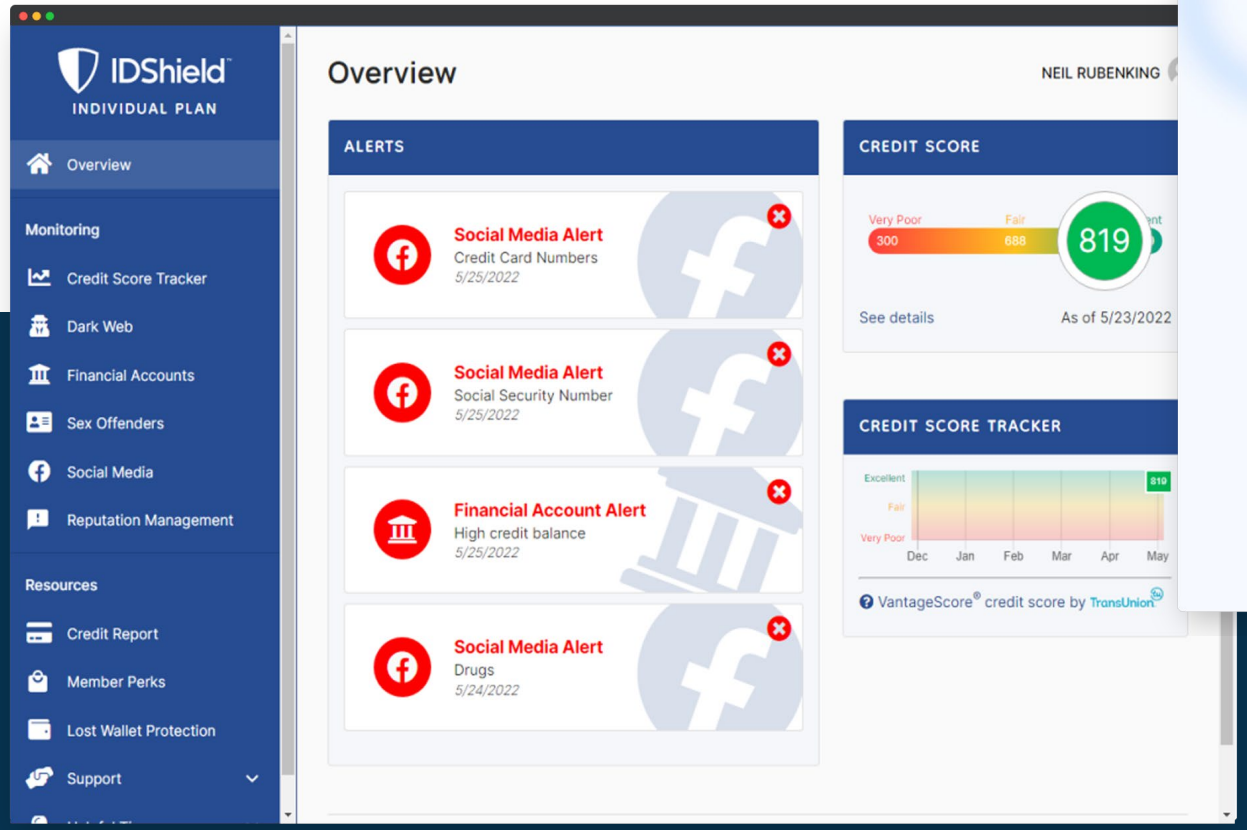
EXPERIAN: www.experian.com or call 1-888-397-3742

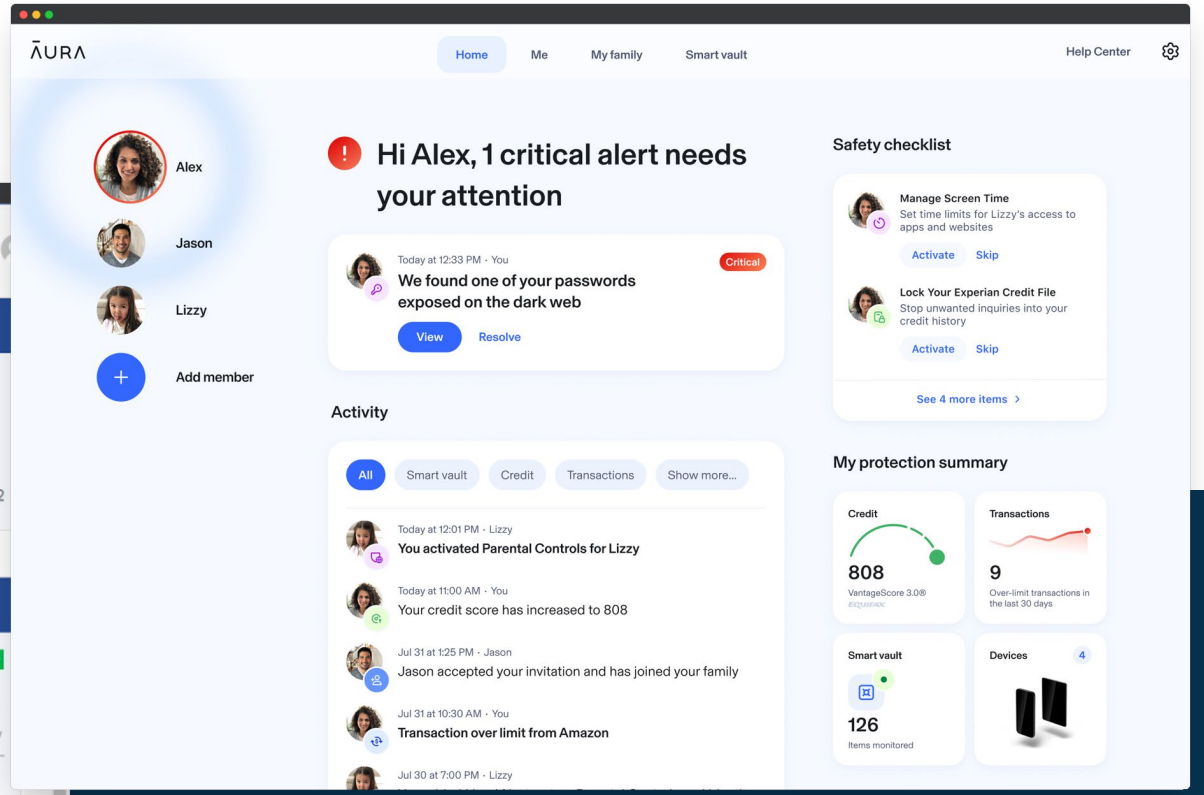
Review Your Credit Report

You can request free credit reports from each bureau annually at AnnualCreditReport.com

Credit Monitoring Services

IDShield™





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WITH GREAT POWER COMES GREAT RESPONSIBILITY

Voltaire

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DIGITAL LIBRARY

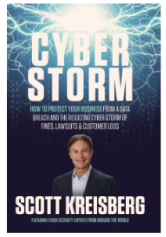
One Step Secure IT's Digital Library offers access to a range of resources designed to enhance your IT, cybersecurity, and business technology knowledge. Get a digital copy of our in-depth resources and stay informed about the best practices for optimizing and protecting your business.

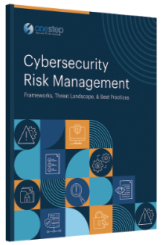
TAME THE TECH BEAST
A business owners' practical guide to finding reliable and trustworthy IT support to reduce technology costs, minimize cyber threats, and increase employee productivity.

Scan QR Code to Download >>>

CYBER STORM
Cyber Storm offers business owners insight into the tactics they can use to protect themselves from data breaches and the resulting "cyber storm" of fines, lawsuits, and customer loss.

Scan QR Code to Download >>>





CYBERSECURITY RISK MANAGEMENT:
Frameworks, Threat Landscape, & Best Practices
This eBook is an essential guide to managing the risks created by increasing cyber attacks, safeguarding business operations, and protecting your reputation and sensitive data.

Scan QR Code to Download >>>

On *The Latest Byte* You'll Find...

Resources designed to enhance your cybersecurity, IT, and business technology knowledge.

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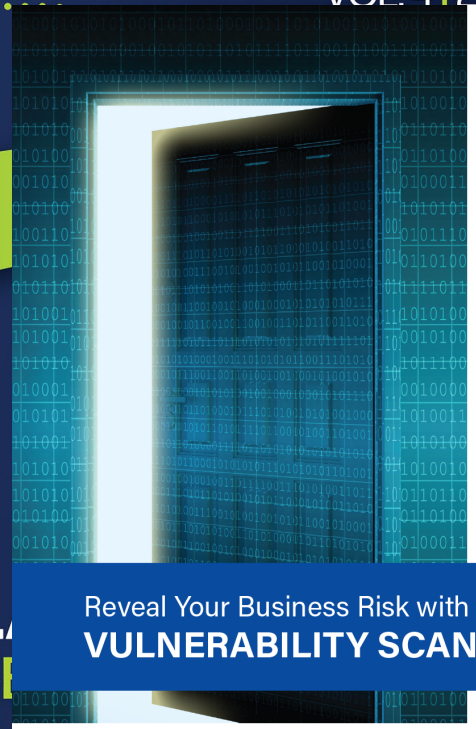
CYBERSE



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Secure IT Services

Don't wonder or merely hope that your business is protected from cyber attacks. Verify it.

Your Vulnerability Scan & IT/Security Audit will show you where your company may have security gaps and compare your business to the industry standard.

Arm yourself with the knowledge to better understand which areas in your IT environment need the most attention so you can make informed decisions.

Reveal Your Business Risk with a **FREE**
VULNERABILITY SCAN & IT/SECURITY AUDIT

Here at One Step Secure IT, we can:

Assess your business's cyber readiness and potential data breach risk to proactively protect operations.

Evaluate the effectiveness of your current cybersecurity measures and ensure proper maintenance of servers and IT systems.

Create an incident response plan for quick recovery in the event of a cyber attack.

Identify and address IT operations causing downtime and productivity challenges.

Take the First Step Today.

Uncover Business Risks—Discover the True Strength of Your Business Defenses.

Schedule your **Free Vulnerability Scan & IT/Security Audit** today by scanning the QR code or at:

www.OneStepSecureIT.com/capps-offer or **(623) 227-1997**

Inside *The Latest Byte* You'll Find...

Our FREE Vulnerability Scan & IT/Security Audit offer.

Q&A

Do you have any questions?