



Protect What You Connect

Security Starts with You

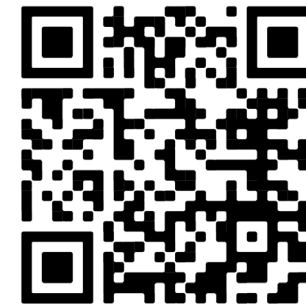




The Latest Byte

Quarterly IT/Security Business Magazine

www.onestepsecureit.com/the-latest-byte



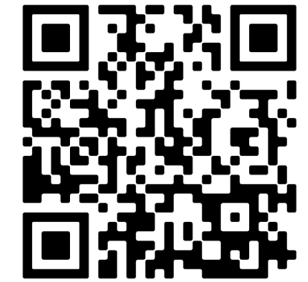


Download the Companion eBook to Today's Talk

www.onestepsecureit.com/cyber-ebook



onestep
Secure IT Services



**Protect What You
Connect** ::
Security Starts with You



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

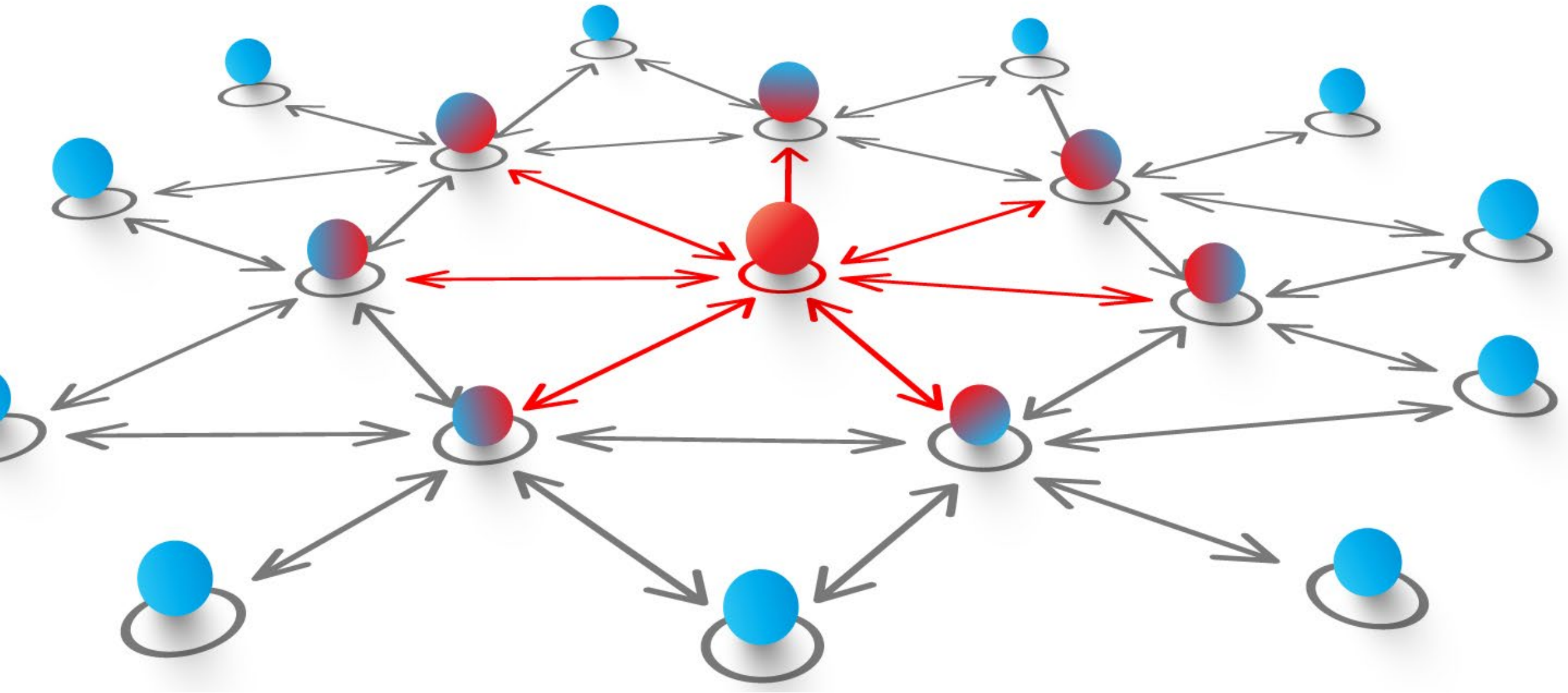
EVERYONE



**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)

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

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

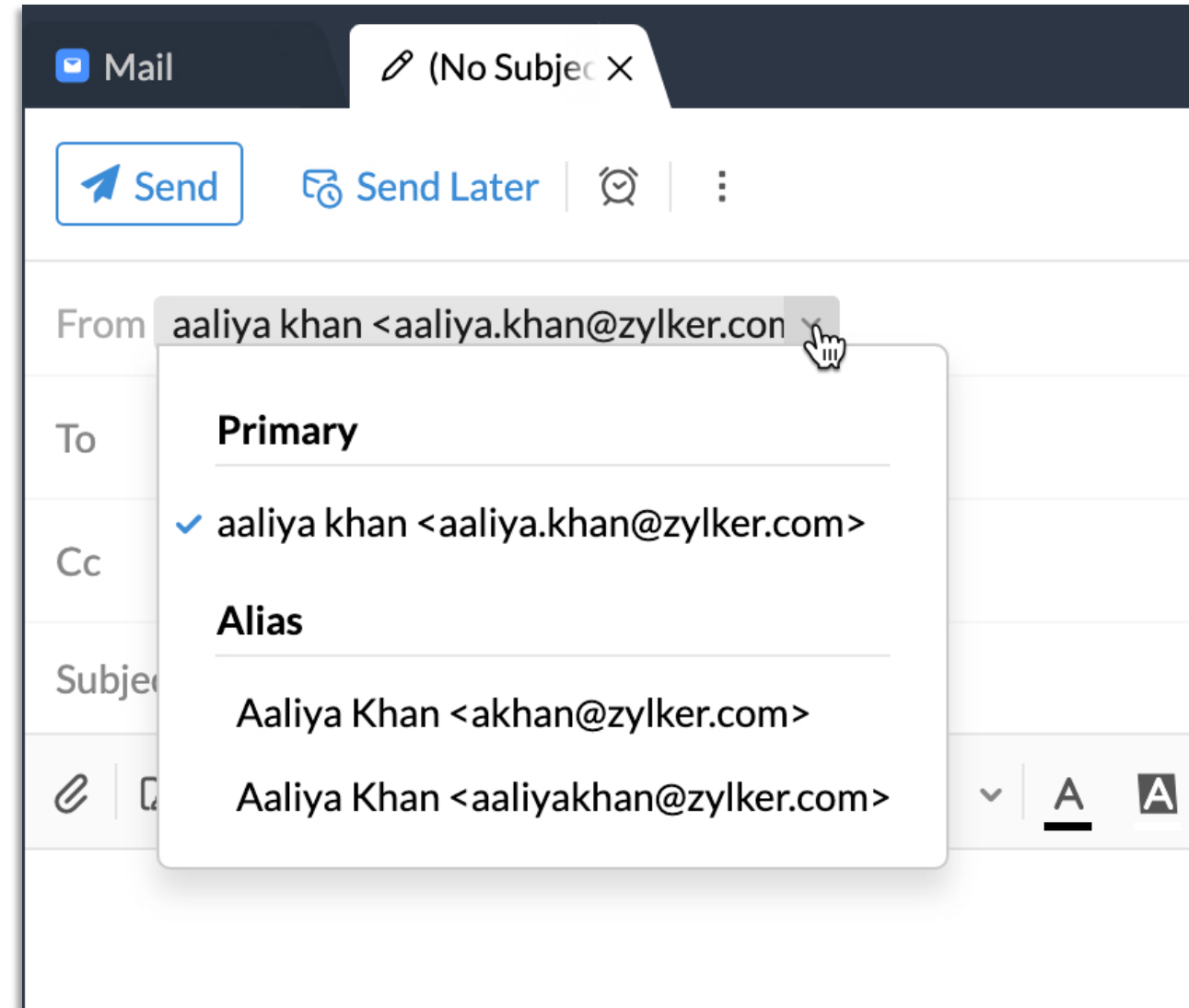
Easy to delete or replace if compromised



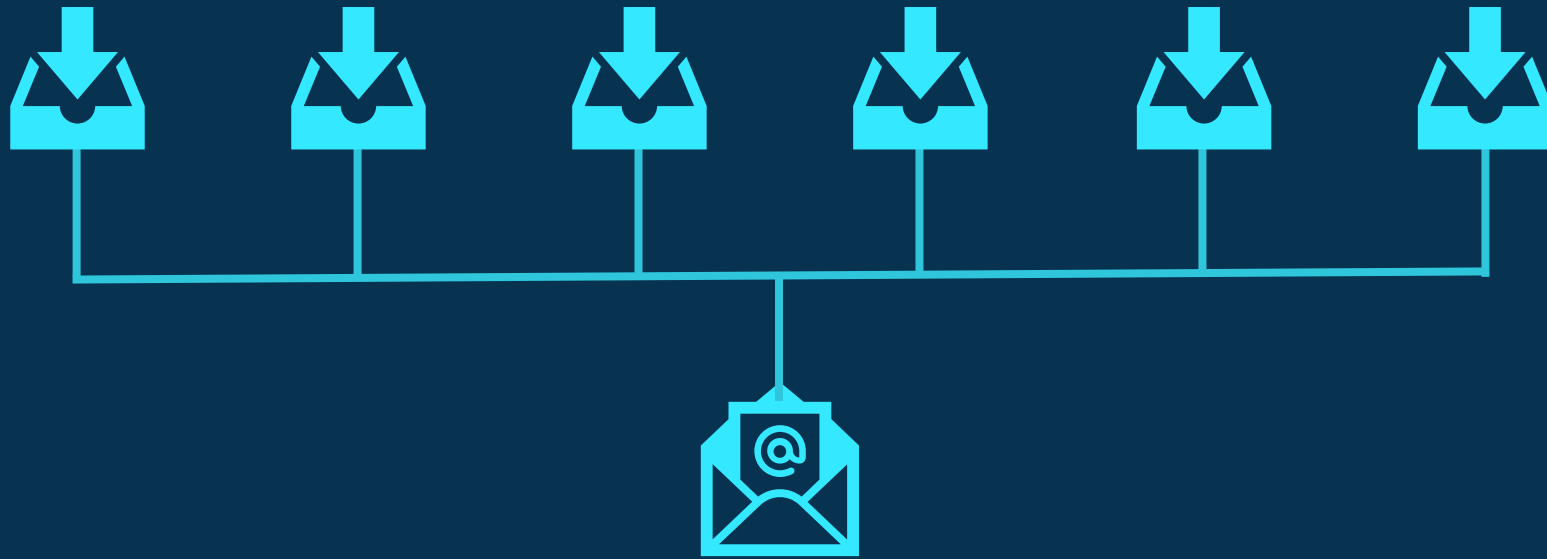
Email Alias Pro Tip

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.



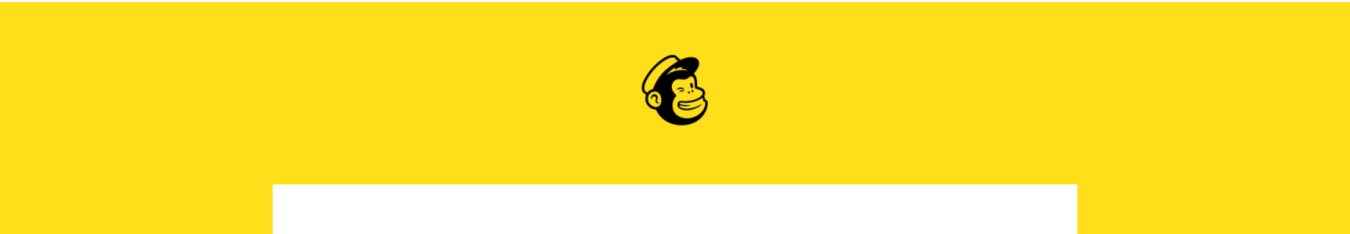
Let's Talk About Links & Attachments

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

The Bad Guys are Working Hard to Scam Us

Your Mailchimp Account Inbox x

Mailchimp <Mailchimp@employeecenter.net> 4:08 PM (27 minutes ago) ☆ ↶ ⋮
to me ▾



Suspicious Login Detected Action Required.

[Reactivate Account](#)


(Just confirming you're you, unclaimed accounts deleted in 1 hour)

[Contact Us](#) [Terms of Use](#) [Privacy Policy](#)

Credit One Breach Information Inbox x

Capital One <Captialone@update-win.com> 11:17 AM (2...)
to me ▾

Welsh > English [Translate message](#)



Breach Alert!!!

Re: Your Capital One profile changes

One or more of your Capital One accounts have been suspended.

You received this notice because your information may be at risk.


[Review your current staus online](#) at any time.

If you didn't make this change, please [visit our Information Protection](#)

Thanks for choosing Capital One.

t@update-win.com>

Try our brand new flavor before it's gone




Treats My Profile

Summer in every s

Our White Peach Tea Lemonade is a vibrant citrus combination of our cl
Chick-fil-A® Lemonade, freshly-brewed Unsweetened Iced Tea and natu
peach flavor. Only available for a limited time.

[Get peachy](#)



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 policies may result in the deactivation of your advertising account.

Best Regards,

Meta Team Support



Billing <billing@services-microsoft.com>

To: **Genesys Agents**



Reply



Reply all




Forward



Wed 7/3/2024 3:38 PM

Retention: Never Delete

 INV_5QR7-T2BX-9F6P.pdf
107 KB



Thanks for shopping with Microsoft

Thanks for your order on July 02, 2024.

Hello **Genesys**,

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

Genesys Agents

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

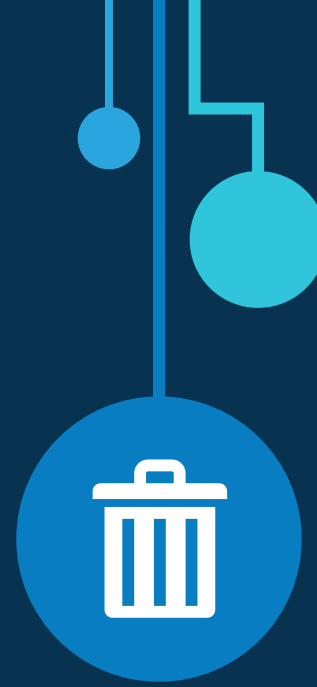
6

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.



| 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 |

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



Password Pro Tip

Whenever possible...

Use a
unique complex
password

Use Two-Factor
Authentication
(2FA)

If possible,
create a unique
alias email



Password Pro Tip

Whenever possible...

Use a
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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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www.onestepsecureit.com/cyber-ebook



onestep
Secure IT Services



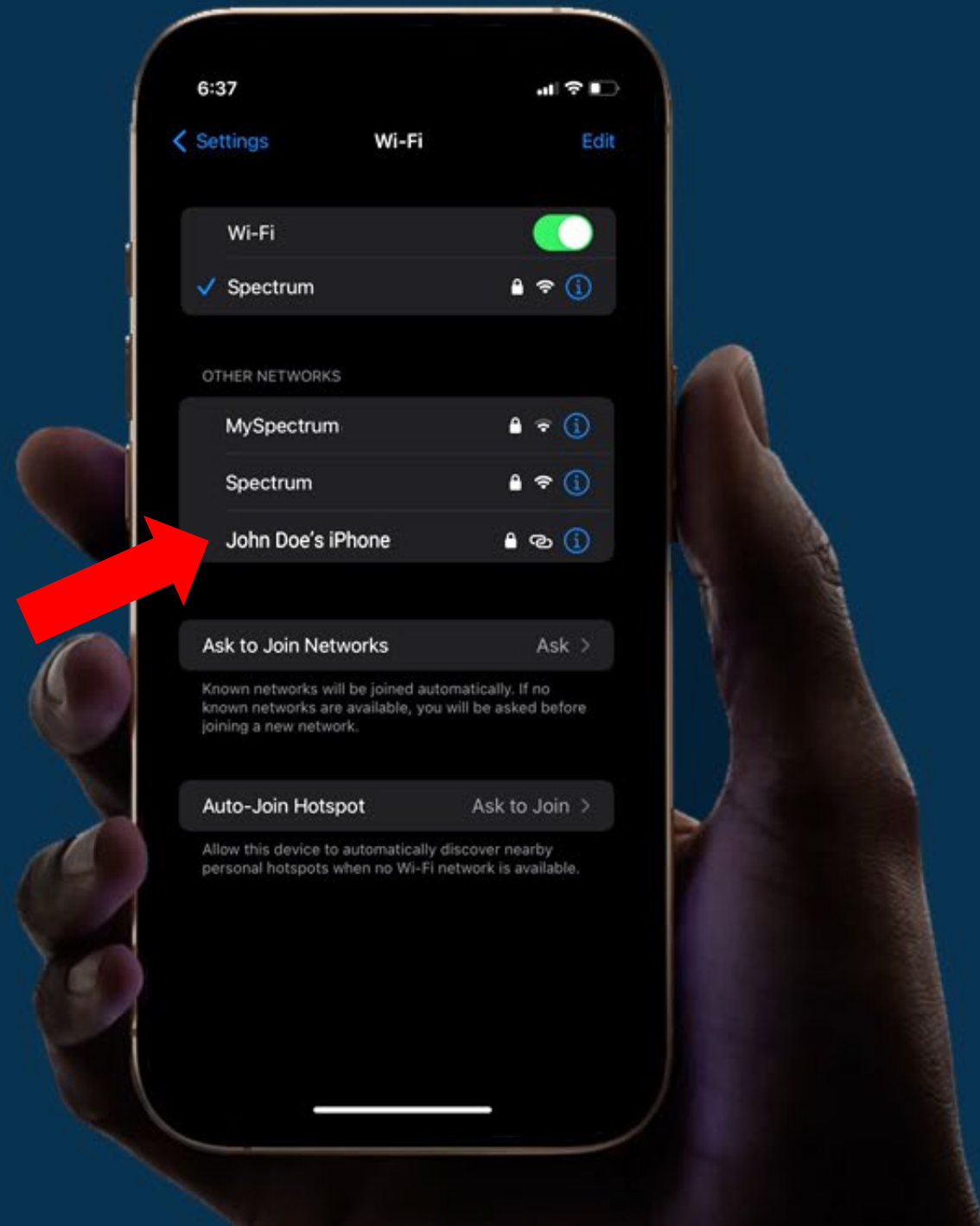
**Protect What You
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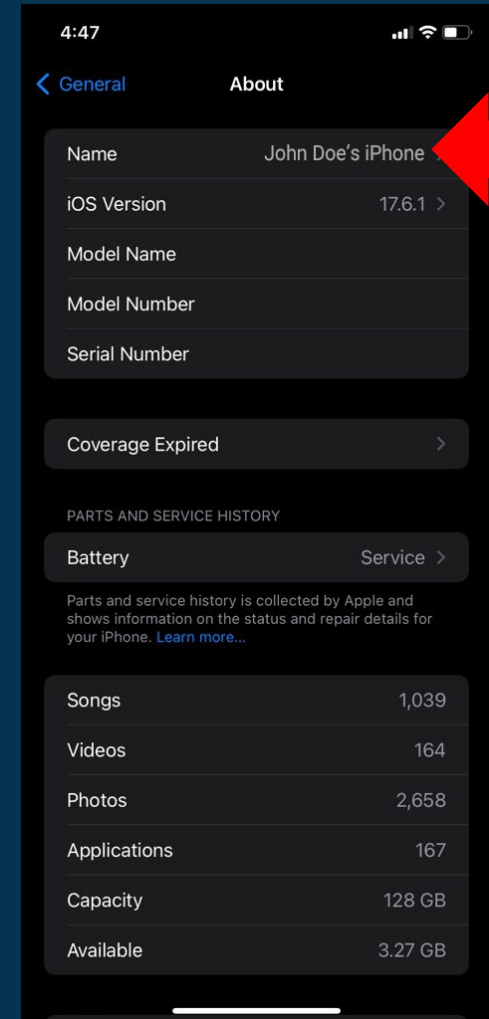
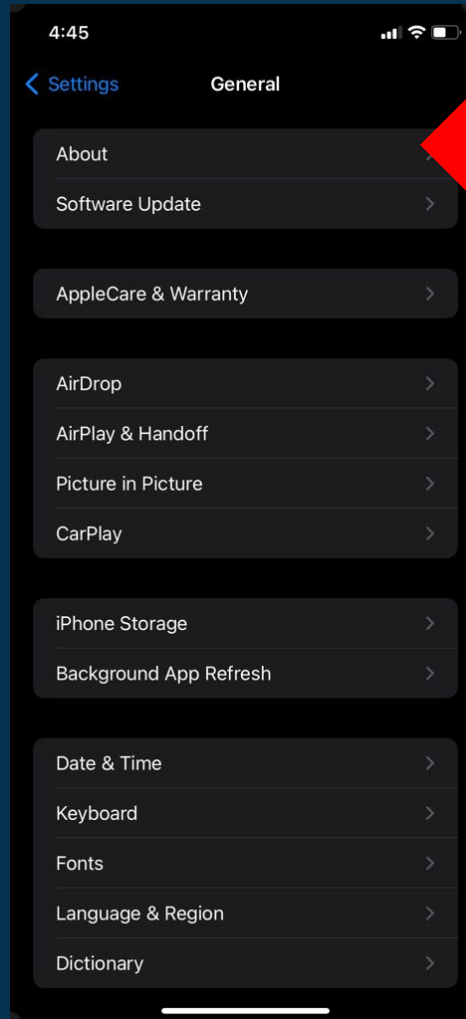
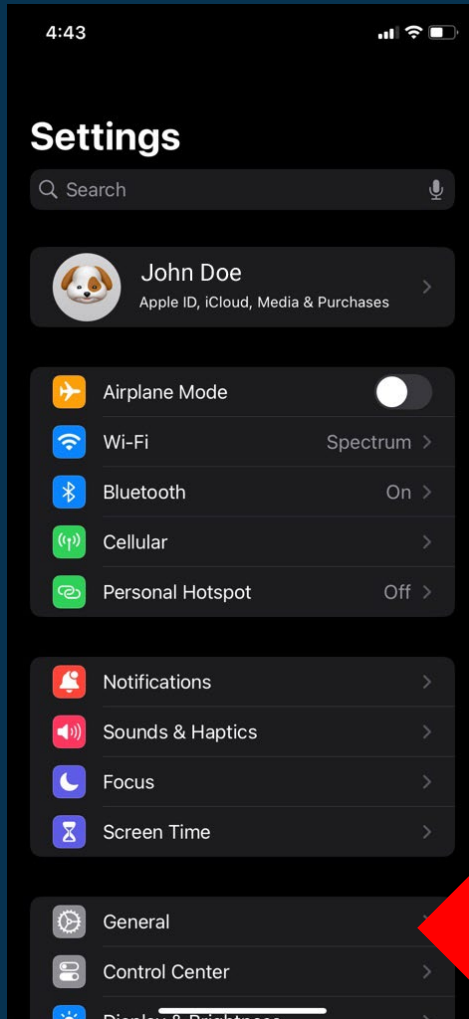
Protecting Our Mobile Devices

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



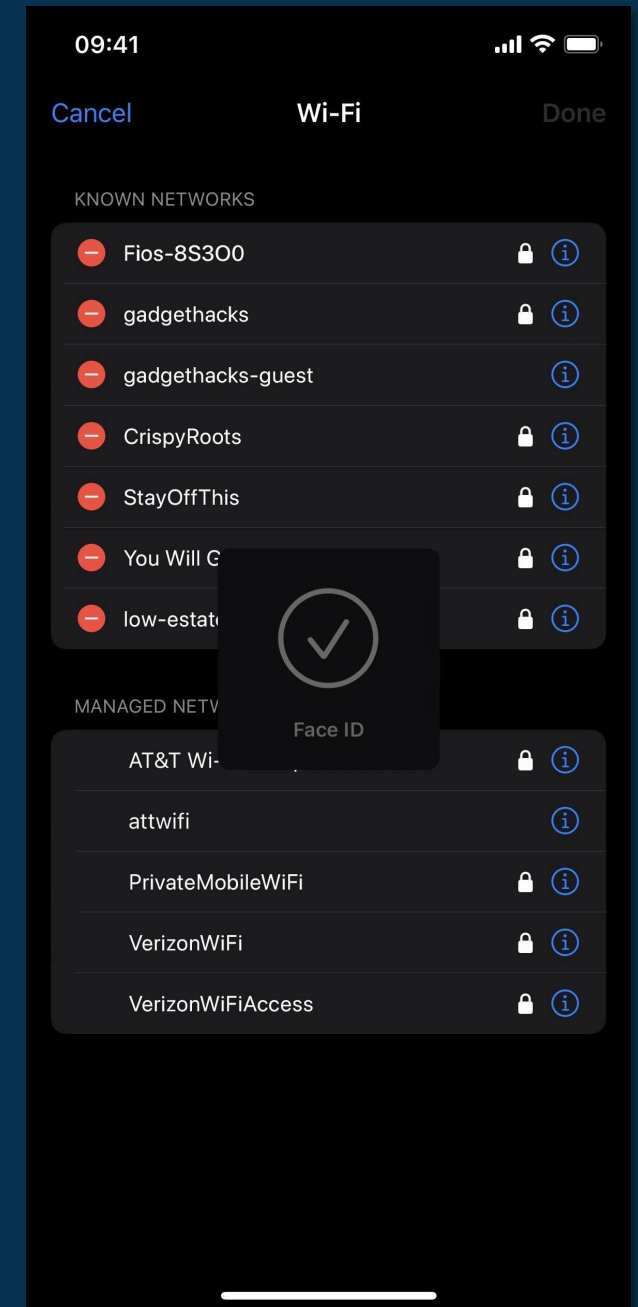
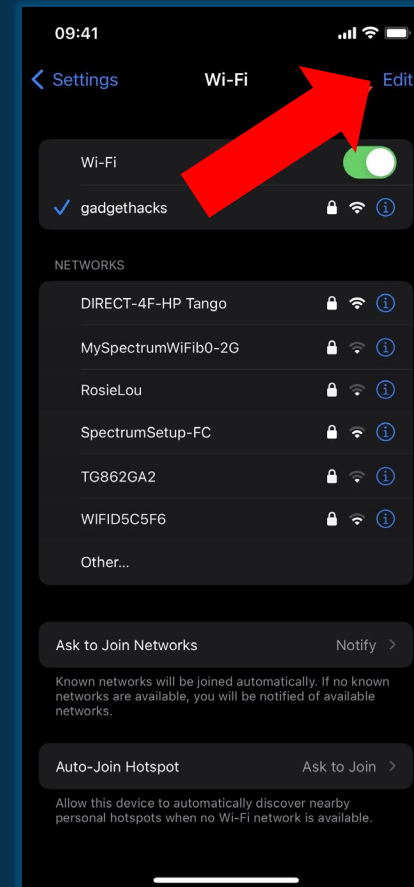
Wi-Fi

Still using public?

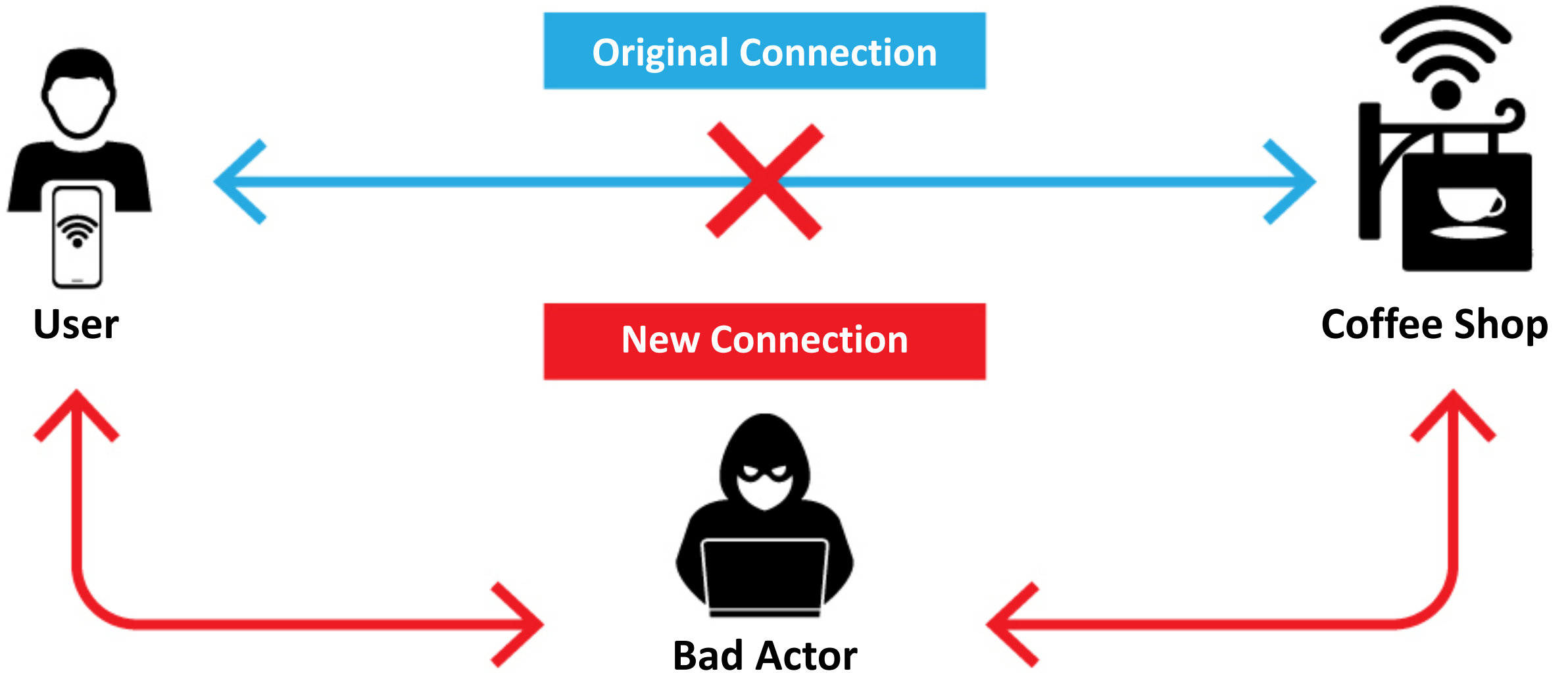


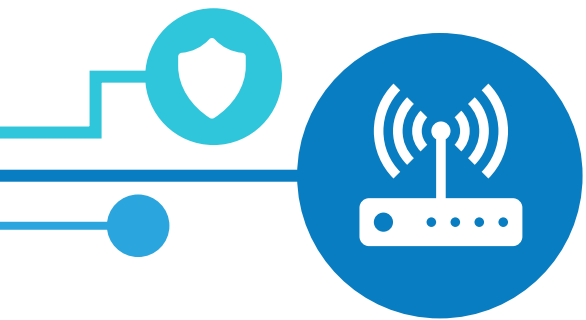
Our Phones...

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...

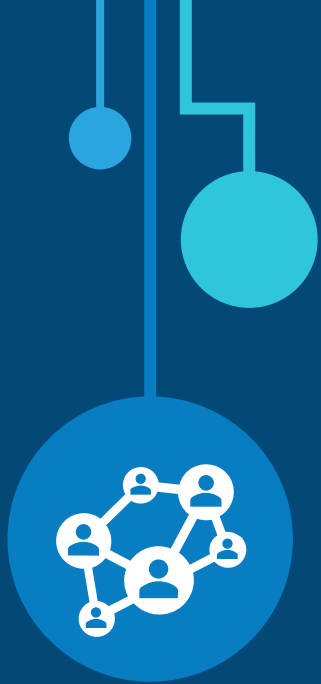


IT ALL STARTS WITH YOU

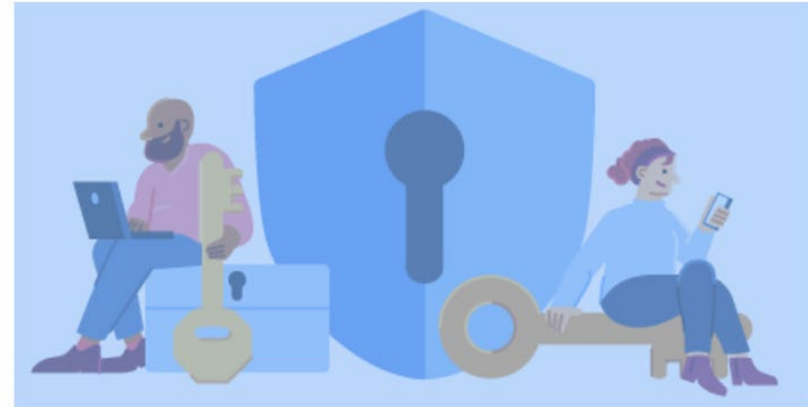


Oversharing on Social Media Puts You at Risk

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

Shanika Narangoda is with **Dino Fernando** and **4 others** at **Hiltel Colombo Residences**
10 Jan · 🌐

OMG!!! Celebrating 35



Don Sameera and 93 others

Like Comment


Sandun kodithuwakku is 😞 feeling **Sad**
09 Feb · 🌐

Hard to say goodbye, you are my first travel mate 🚗




Naveen Liyanage is with **Amandi Liyanage** at **Royal Botanical Garden Peradeniya**
10 Jan · 🌐

Anniversary selfie where we first met



Premi Watsala is 😊 feeling **professional**
15 Apr · 🌐

its meeee in my favorite blue



and 27 others

Comment

Sara Wikramasinghe is with **Upeksha Rajapakse**
14 May · 🌐

Happy Mother's day amma! Love you 🥰



Kalani and 50 others 34 comments 1 share



era and 101 others 60 comments

Comment Share



Social Media Pro Tip

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



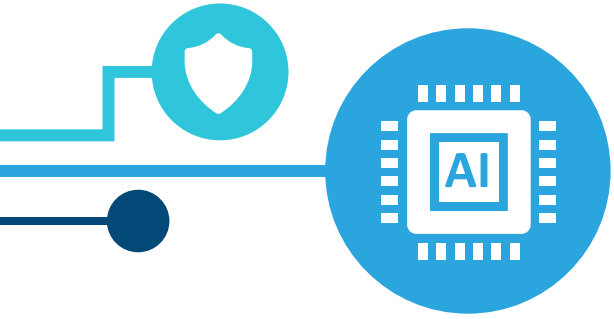
A.I. is The Wild Wild West

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

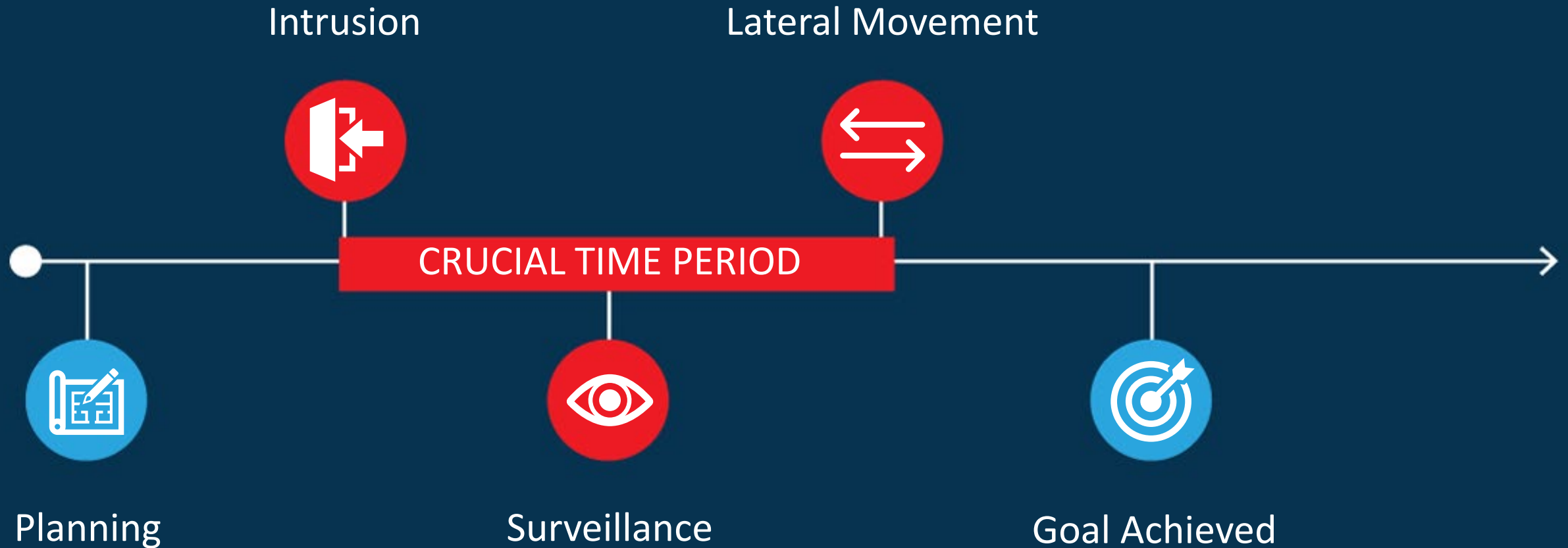
Wire transfers can be a convenient way to send and receive money. That's why bad actors find them so attractive.



Can You Send the Payment?





A True Story

Hacker Timeline





Ways to Prevent Wire Fraud

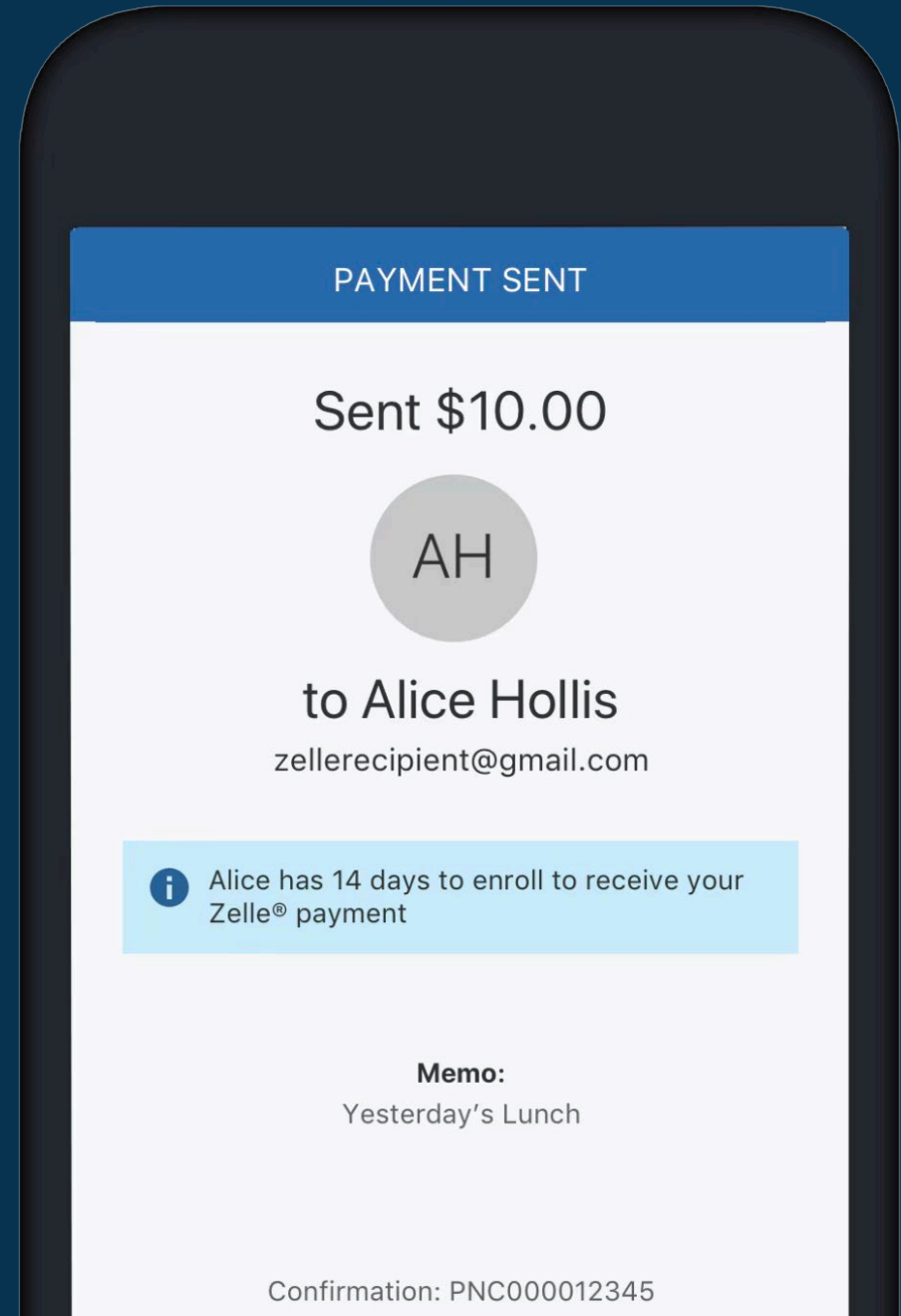
-  Don't rely on email alone
-  Reach out to the person directly on a valid phone number
-  Implement a verbal passcode and verify each other
-  Set up your wire transfers to require a secondary approval



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...

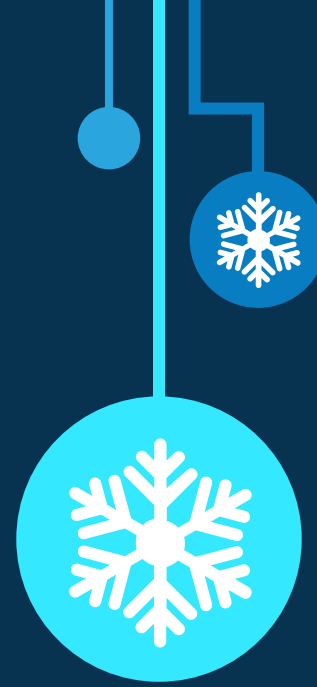


IT ALL STARTS WITH YOU



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™
INDIVIDUAL PLAN

Overview

Monitoring

- Credit Score Tracker
- Dark Web
- Financial Accounts
- Sex Offenders
- Social Media
- Reputation Management

Resources

- Credit Report
- Member Perks
- Lost Wallet Protection
- Support

Overview NEIL RUBENKING

ALERTS

- Social Media Alert**
Credit Card Numbers
5/25/2022
- Social Media Alert**
Social Security Number
5/25/2022
- Financial Account Alert**
High credit balance
5/25/2022
- Social Media Alert**
Drugs
5/24/2022

CREDIT SCORE

Very Poor 300 Fair 688 **819** Excellent

See details As of 5/23/2022

CREDIT SCORE TRACKER

Excellent Fair Very Poor

Dec Jan Feb Mar Apr May

VantageScore® credit score by TransUnion™

AURA Home Me My family Smart vault Help Center

Hi Alex, 1 critical alert needs your attention

Activity

- Today at 12:33 PM - You: We found one of your passwords exposed on the dark web (Critical)
- Today at 12:01 PM - Lizzy: You activated Parental Controls for Lizzy
- Today at 11:00 AM - You: Your credit score has increased to 808
- Jul 31 at 1:25 PM - Jason: Jason accepted your invitation and has joined your family
- Jul 31 at 10:30 AM - You: Transaction over limit from Amazon
- Jul 30 at 7:00 PM - Lizzy

Safety checklist

- Manage Screen Time: Set time limits for Lizzy's access to apps and websites (Activate Skip)
- Lock Your Experian Credit File: Stop unwanted inquiries into your credit history (Activate Skip)

My protection summary

- Credit: 808 VantageScore 3.0®
- Transactions: 9 Over-limit transactions in the last 30 days
- Smart vault: 126 Items monitored
- Devices: 4

AURA



“

**WITH GREAT POWER COMES
GREAT RESPONSIBILITY**

Voltaire

REMEMBER...



IT ALL STARTS WITH YOU

DIGITAL LIBRARY

THE LATEST
CYBERSECURITY



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.

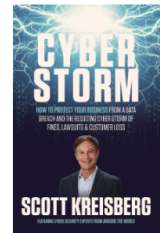
[Scan QR Code to Download >>>](#)



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.



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.

THE L
CYBERS

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?

