

An abstract graphic consisting of several thin, black, overlapping lines that form various geometric shapes and polygons, primarily located in the upper left and center of the page.

CYBERSECURITY ESSENTIALS

PRESENTED BY SEO IT



EMAIL SECURITY

MICHAEL POSTLETHWAIT



Response Required



PayPal Support <paypal_support_0@outlook.com>

To Postlethwait, Michael

Reply Reply All Forward

Thu 3/5/2026 12:03 PM



RESPONSE REQUIRED.

Dear Michael,

We emailed you a little while ago to ask for your help resolving an issue with your PayPal account. Your account is still temporarily haven't heard from you.

We noticed some unusual log in activity with your account. Please check that no one has logged in to your account without your per

To help us with this and to see what you can and can't do with your account until the issue is resolved, [login](#) to your account and go to the [Resolution Center](#).

As always, if you need help or have any questions, please feel free to contact us. We're always her

Thank you for being a PayPal customer.

Sincerely,
PayPal

Original URL:
<https://www.paypal.com/us/cshelp/article/what-is-the-resolution-center-help246>
Click or tap to follow link.

Original URL:
<https://login-paypal.paymentsinfo.org/>
Click or tap to follow link.

TRADITIONAL PHISHING (THE OLD REALITY)

Hello more,
I met misspelled meaning
and spoo?

Hello more,
I poorly written your email,
please write that your
conventer.

Hello wrong.
We writtetroen your emails
to company...



Click-Through
Rate



Time to Create:
HOURS

DEPENDENT ON HUMAN ERROR

AI-POWERED PHISHING (THE NEW REALITY - 2026)



Click-Through
Rate

00:05:00

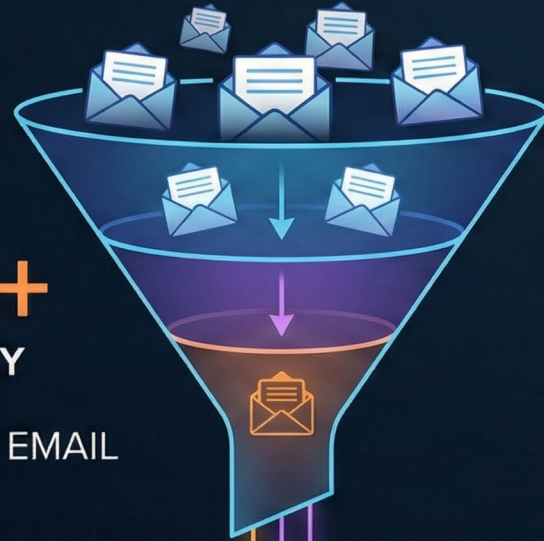
**5 MINUTES
TIME TO CREATE
PERFECT LURE**

AUTOMATED, HYPER-EFFECTIVE, ZERO TYPOS

AI-GENERATED LURES ARE 4.5X MORE EFFECTIVE

PHISHING: THE MULTI-CHANNEL THREAT LANDSCAPE (2026)

80%+
OF SECURITY INCIDENTS
START WITH EMAIL

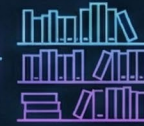


RANSOMWARE
(45%)

DATA BREACHES

credential theft

THE NEW GUARD: BEYOND THE INBOX



SPEAR PHISHING

... – specialized
'library vendors'

BEC
(BUSINESS EMAIL
COMPROMISE)



'GIFT CARDS'
URGENTLY

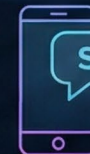
THE **COSTLIEST**
FORM OF PHISHING

QISHING
(QR CODE
PHISHING)



UP 400%
RECENTLY
(filters can't read)

**SMISHING
& VISHING**



SMISHING



Multi-step
verification
scams

'EMAIL IS NO LONGER THE ONLY VECTOR.'

STOP. CHECK. VERIFY: THE "3-SECOND RULE" FOR EMAIL SECURITY.



EMOTIONAL TRIGGER



FEAR URGENCY CURIOSITY

EMOTION IS THE
ATTACKER'S "HOOK."
DISTRUST IT.



CRITICAL THINKING

USE 3 SECONDS
TO BECOME THE
"WEAKEST LINK"
DEFENDER.



EYE POINTER HAND

A CHECK THE "FROM" ADDRESS

HR DIRECTOR <malicious.actor@phish.net>

B HOVER OVER THE LINK

[Link the link](#)

REAL URL:
http://totally-fake-site.com
/steal-password

YOUR BEHAVIOR IS THE STRONGEST DEFENSE.

Anatomy of a Phishing Email



Identify the red flags in phishing emails

Email Header

Look for inconsistencies in sender info

Deceptive Links

Hover to reveal the true URL

Generic Greetings

Watch for generic or incorrect names

Spelling Errors

Be wary of grammatical mistakes

Malicious Attachments

Don't download unfamiliar files

Urgency Cues

Beware of urgent or threatening language



MOBILE SECURITY

RON WOODS

Mobile Device Security

Best Practices



Securing Mobile Devices

Best Practices

Protect Your Data



Encrypt Data



Strong Passwords



Backup Your Data

Reduce Cyber Threats



Use VPN



Update Software

Maintain Security



Enable MDM



Biometric Security



Remote Wipe

Mobile Device Security Risks



MOBILE DEVICES OFTEN STORE WORK DATA

THEY ARE OFTEN USED TO CONNECT TO LIBRARY EMAIL, NETWORKS, AND CLOUD SERVICES



MOBILE DEVICES ARE OFTEN LOST OR STOLEN

MOBILE MALWARE AND PHISHING ATTACKS ARE ON THE RISE



USE STRONG AUTHENTICATION

Ensure your phone is using passcode or biometric lock



Use Multi-factor authentication on all accounts when possible



Set devices to auto-lock after inactivity



Avoid simple easy to guess pins or passodes



Use passkeys for online accounts if possible



KEEP DEVICES UPDATED

Keep Your Mobile Devices Secure

Enable Automatic Updates



Auto Updates **ON**

Update Apps Regularly



Google Play & App Store



Avoid Outdated Devices



No Support! No Updates!

Install Trusted Apps Only



Avoid Jailbreaks
& Random APKs

PROTECT AGAINST PHISHING & MALWARE

Do not click on suspicious links in texts or emails



Verify unexpected login requests



Install mobile security apps if possible



Be cautious scanning QR codes





COMPUTER SECURITY

DON WINLAND

SAFE BROWSING & DOWNLOADING
DON WINLAND



SAFE BROWSING & DOWNLOADING

DON WINLAND



SAFE BROWSING & DOWNLOADING
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There are things out there...
that will eat you for breakfast



SAFE BROWSING & DOWNLOADING

DON WINLAND



SAFE BROWSING & DOWNLOADING

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Windows Defender Alert : Zeus Virus Detected In Your Computer !!

Please Do Not Shut Down or Reset Your Computer.

The following data will be compromised if you continue:

1. Passwords
2. Browser History
3. Credit Card Information
4. Local Hard Disk Files.

This virus is well known for complete identity and credit card theft. Further action through this computer or any computer on the network will reveal private information and involve serious risks.

Call Technical Support Immediately at +1-877-219-6702



Call Microsoft Technical Department: +1-877-219-6702 (Toll Free)

SAFE BROWSING & DOWNLOADING
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The Most Important Part of Security Cyber or Personal

SAFE BROWSING & DOWNLOADING
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Overcoming Fear of asking for help
asking for advice

Overcoming Fear of making mistakes
or looking foolish - **ASK**



SAFE BROWSING & DOWNLOADING
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Openly talking about cybersecurity risks is essential to staying protected.

Building a strong “security culture” means creating an environment where people feel safe speaking up—without fear of embarrassment, blame, or looking inexperienced.



SAFE BROWSING & DOWNLOADING

DON WINLAND

Since about 74% of breaches involve human factors like mistakes or social engineering, it's critical that everyone feels comfortable asking questions, admitting uncertainty, and reporting potential issues right away.

The goal isn't to expect perfection—it's to encourage awareness, honesty, and quick action when something doesn't seem right.

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Who will you call or reach out to
When you think something
could be a scam?



SAFE BROWSING & DOWNLOADING
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Who will you ask at WORK?

Who will you ask at HOME?

Who will you ask if late at night?

SAFE BROWSING & DOWNLOADING
DON WINLAND

Don Winland

dwinland@library.ohio.gov

Michael Postlethwait

mpost@library.ohio.gov

Ron Woods

rwoods@library.ohio.gov