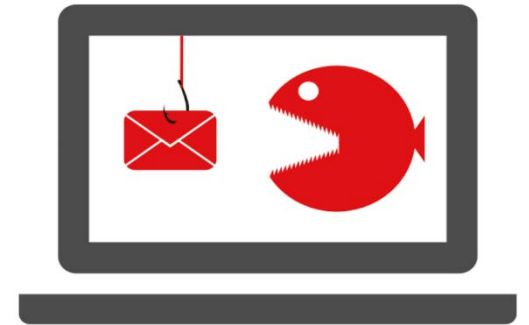


Advanced Cyber Security Awareness Training



Land Acknowledgment



Disclaimer



The content of this presentation should not be considered a legal opinion. It is based on extensive research of publically available materials. If you need legal advice, please refer to your counsel.

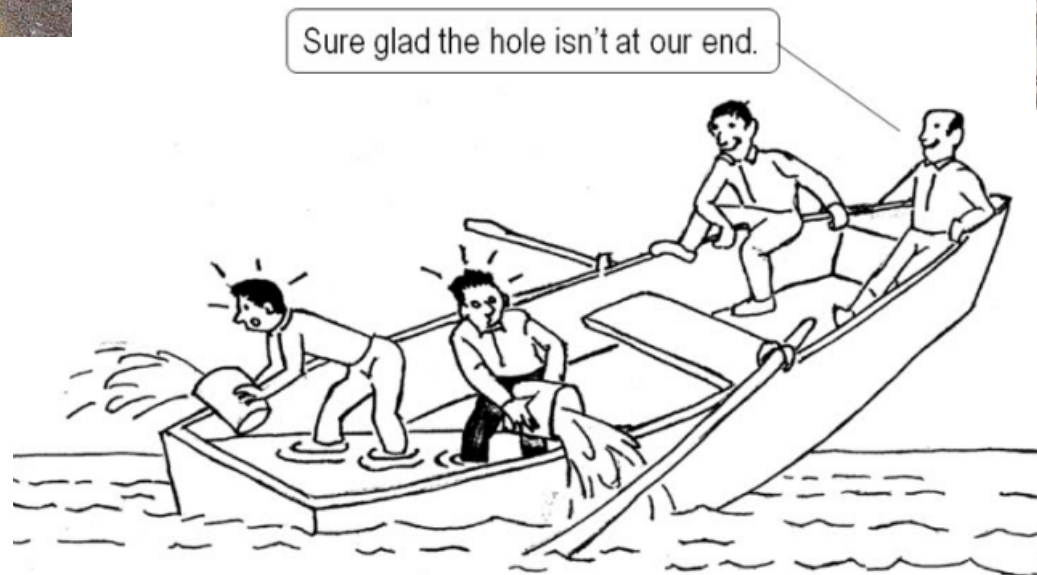
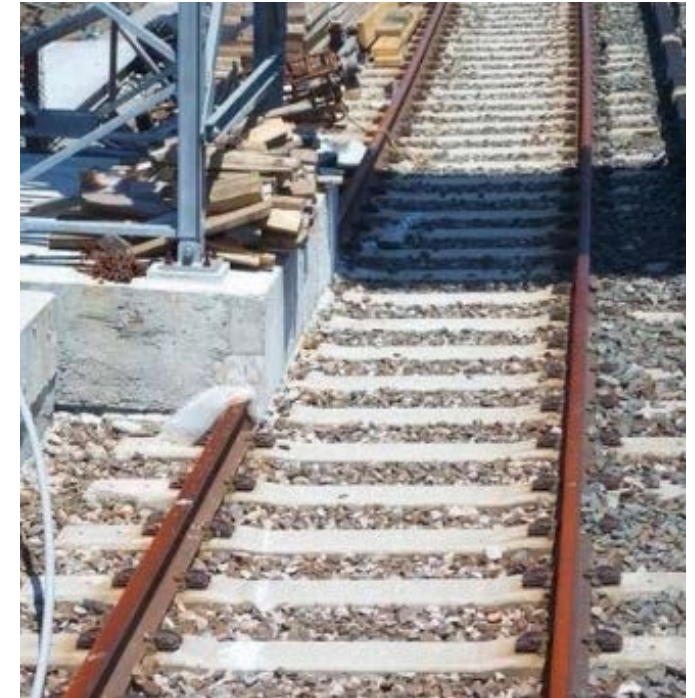
This is a presentation on industry's best practices which may differ from the ones of your own organization. If that is the case, please consult your employer before changing your existing practices.



How confident do you feel right now in regards to your cyber security awareness (where 1 is “Not at all” and 5 is “I do hacking in my spare time”)?

- 1
- 2
- 3
- 4
- 5

We all have a stake in our organization's security!



Forget the
“Not My Job”
statement

Social Engineering

Menu

CBC

CTV NEWS

Consumer Alert | News

NEWS Top Stories Local Climate World Canada Politics Indigenous

VIDEO Channels

82-year- investm had to w

By [Pat Foran](#)

Published: February 25, 20

Fake news phishing scams part of interference threats: Election security task force
3 days ago | News

Security and Intelligence Threats to Elections task force to monitor interference threats

Breaking News Canada Votes **CBCNN LIVE**

3:43

Fake news phishing scams part of interference threats: Election security task force

ADVERTISEMENT

What you need to know

- Be familiar with your organization's IT policies and procedures to stay compliant;
- You are personally accountable for any activity done under your User ID;
- If your User ID/password is lost or compromised, contact IT immediately;
- If you identify a security concern/issue, address it ASAP. Better safe than sorry.

Security is everyone's responsibility!



**causes alarming
rise of 93% of
data breaches
globally**



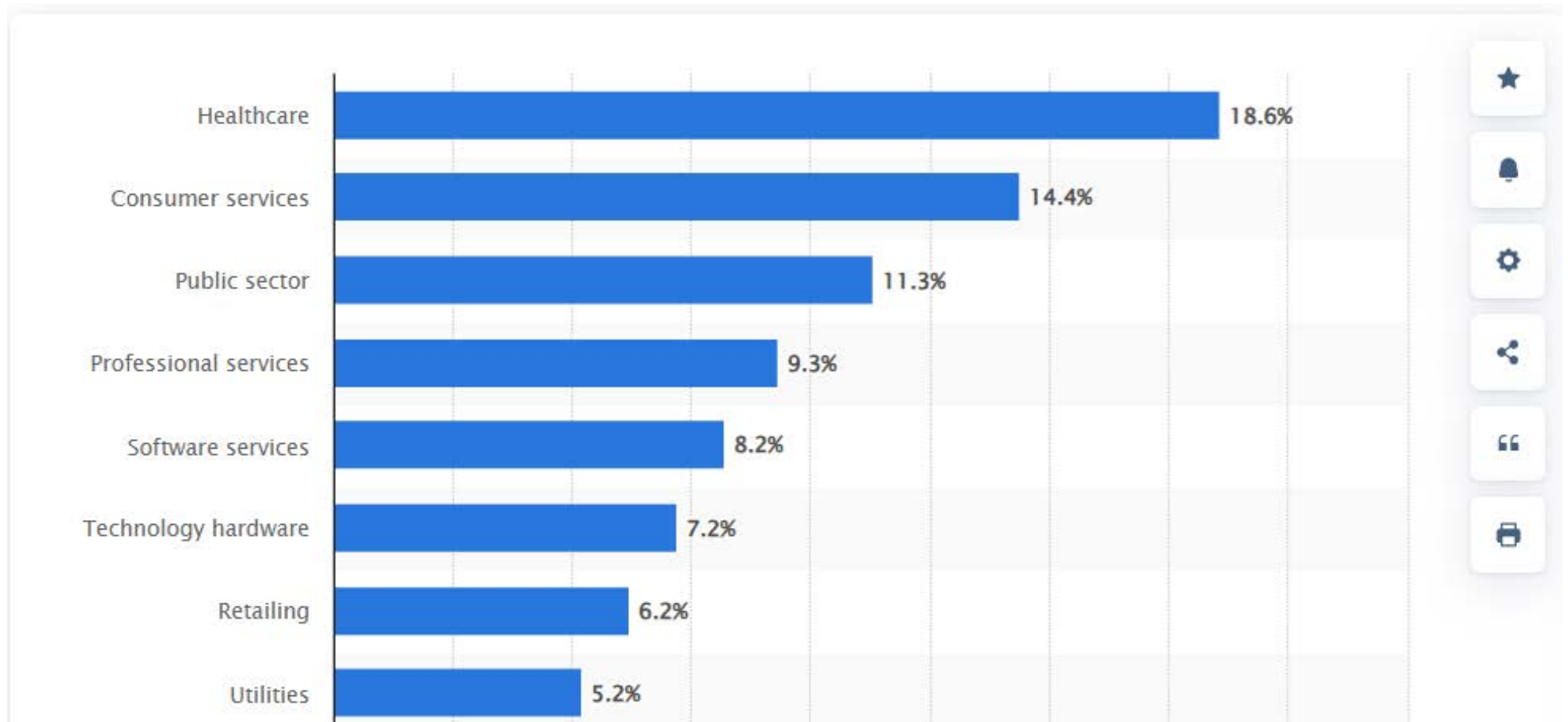
Stats



Estimated Cost of Cybercrime Worldwide

We don't spend nearly enough to better protect our organizations (and ourselves) from cyber crime!!!

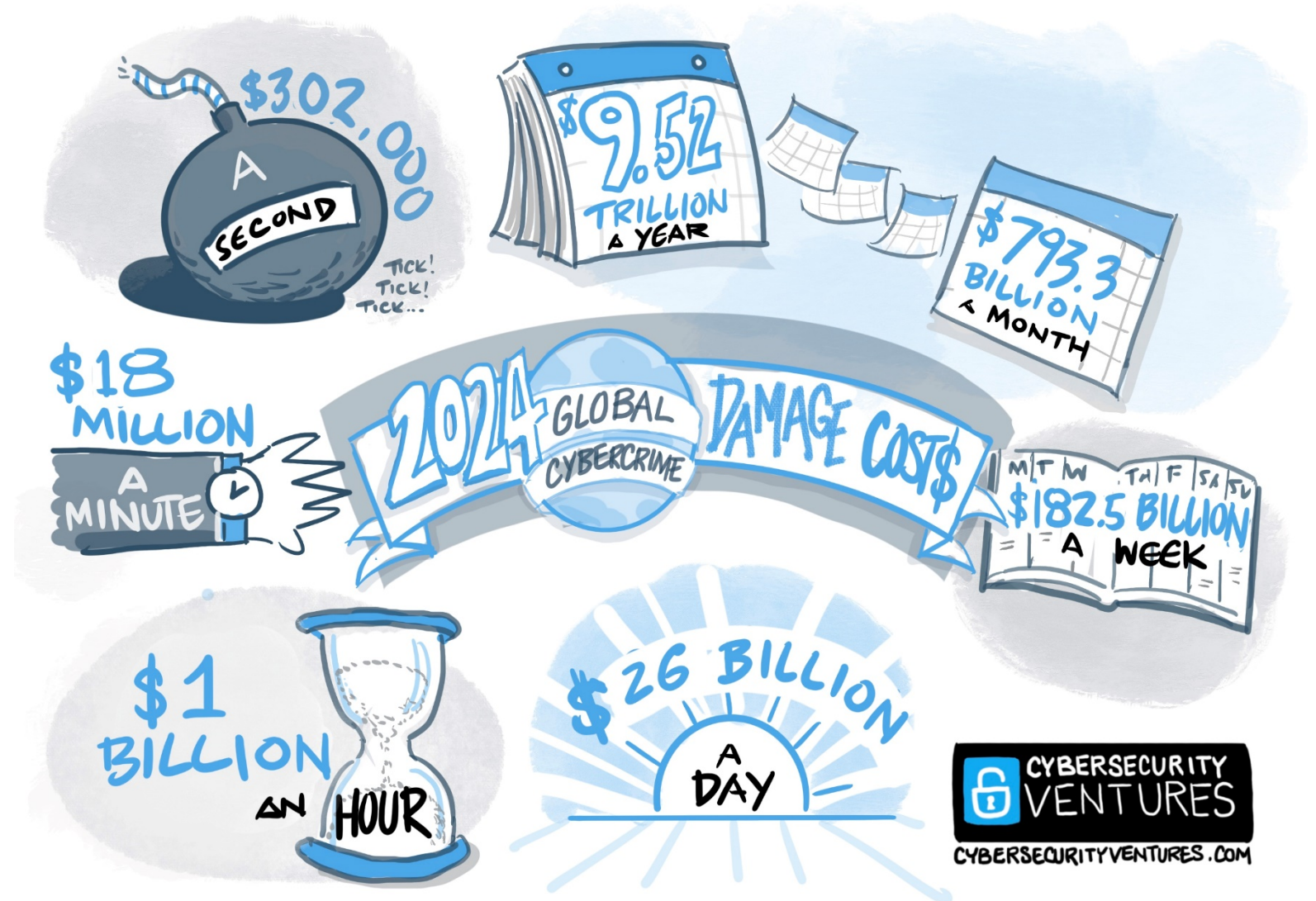
Industries most frequently impacted by ransomware 2024



Stats

Identity fraud losses
tallied a total of \$52 billion
(Javelin Strategy &
Research)

We don't spend nearly
enough to better protect our
organizations (and ourselves)
from cyber crime!!!

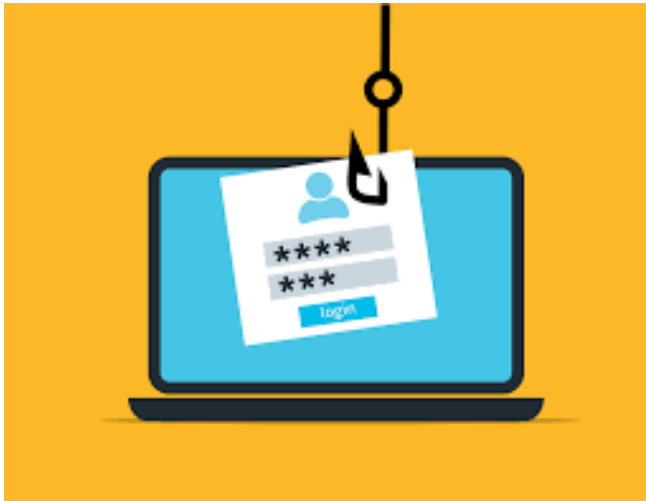


Human Firewall

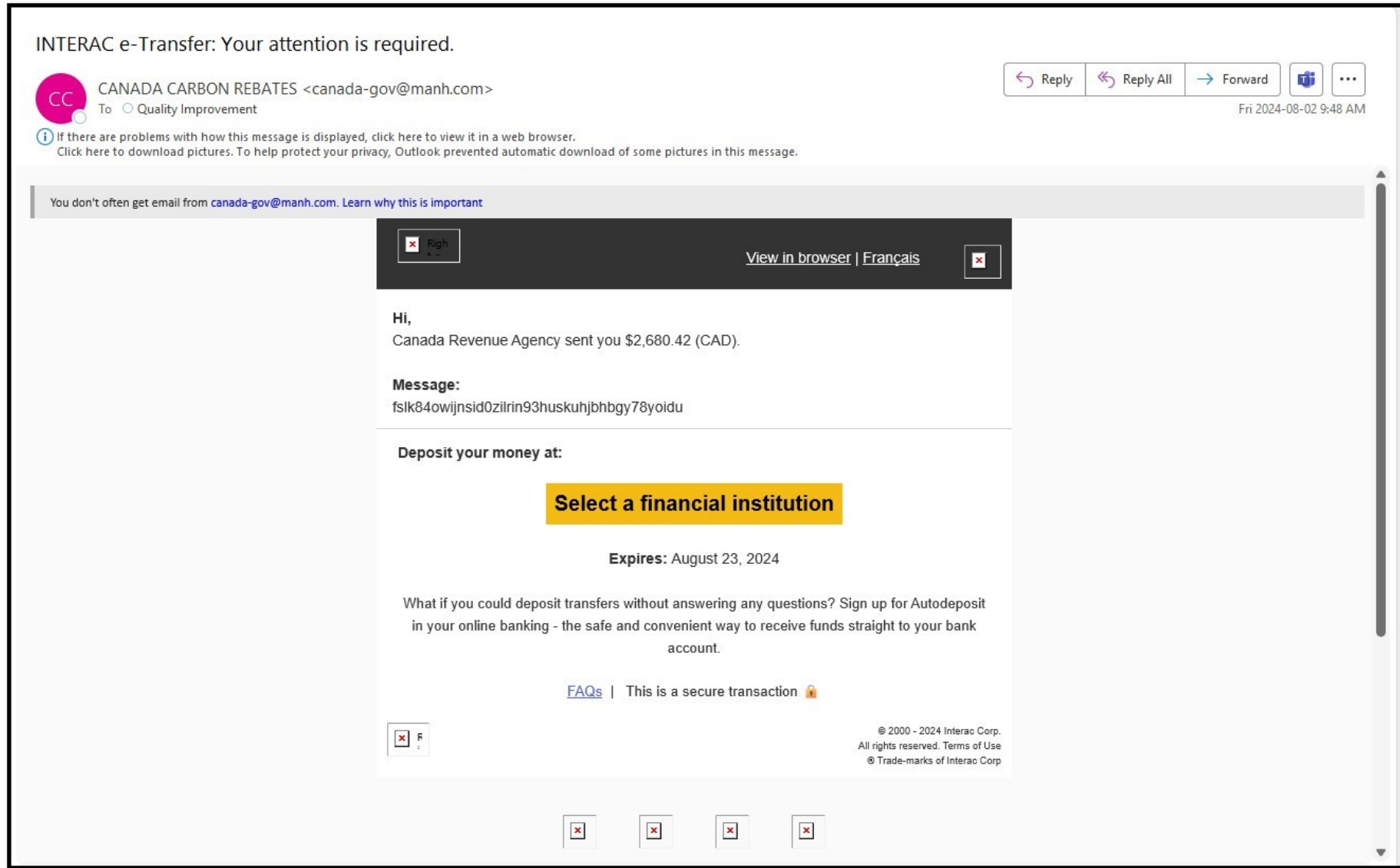
- No matter how great your policies and technical defenses are, some phishing will go through them
- Need to train staff on how to spot phishing emails and what to do (reminder: acceptable use policy, are staff familiar with it and have they signed it?)
- Human firewall is critical



Phishing



Phishing





Phish or not?

From: ☐ Jackson, Debra A <Debra.A.Jackson@ehi.com>

To: ☐ ap (AOHC)

Cc: ☒ Sandra Wong (AOHC)

Subject: CONSOLIDATED INVOICE FOR 03/12/2016

 Message  LC29180_16676878_CA_CAD_8824275_20160312.pdf (15 KB)

My name is Debra and I am the new Account Coordinator for your company. I will assist you with payments, updates and questions.

Thank you,

Debra Jackson

Accounting Coordinator

CC Delayed/Immediate Ghost Collector

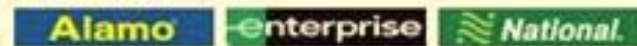
918-401-7533 Direct

918-948-6656 Fax

debra.a.jackson@ehi.com

**** Please note -my normal business hours are Monday-Thursday 7:00am to 5:30pm. I will be out of the office on Fridays.****

Operating



EAN Services, LLC - Tulsa Shared Services - 14002 East 21st Street, Suite 1500 - Tulsa, OK 74134 - USA



Phishing

, Your name is on the list



monalisa@yh7q.in
To Privacy (Alliance)

[Reply](#) [Reply All](#) [Forward](#) [...](#)

Fri 10/13/2023 8:49 PM

[i](#) If there are problems with how this message is displayed, click here to view it in a web browser.
[Click here to download pictures.](#) To help protect your privacy, Outlook prevented automatic download of some pictures in this message.

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or on clicking links from unknown senders.

THE HOME DEPORT

Congratulations to the 3 winners of our weekly contest (October 2023)

Amanda Arcuri (Québec City) | Gift sent on 11th October.

Dini Petty (Winnipeg) | Gift sent on 12th October.

Last Winner (Canada) | This person has not replied yet.

"https://sign-trk.r1lo.in/ga/click/2-15290959-1030-5503-10896-5765-d57ac0fc5c-8823e2eeeb"

Please answer a few questions truthfully and receive your Gift within 72 hours.

CONTINUE

Phishing

-----Original Message-----

From: communications@allianceon.org <communications@allianceon.org>

Sent: May 2, 2024 10:25 PM

To: communications (Alliance) <communications@aohc.org>

Subject: Your password must be changed

Hello

As you may have noticed, I sent you an email from your email account communications@allianceon.org This means I have watching you for a few months The thing is, you got infected with a njrat through an adult site you visited If you don't know njrat-pro gives me full access and control over your device.

This means I can see everything on your screen, turn on the camera and microphone, but you don't know it I also have access to your correspondence.

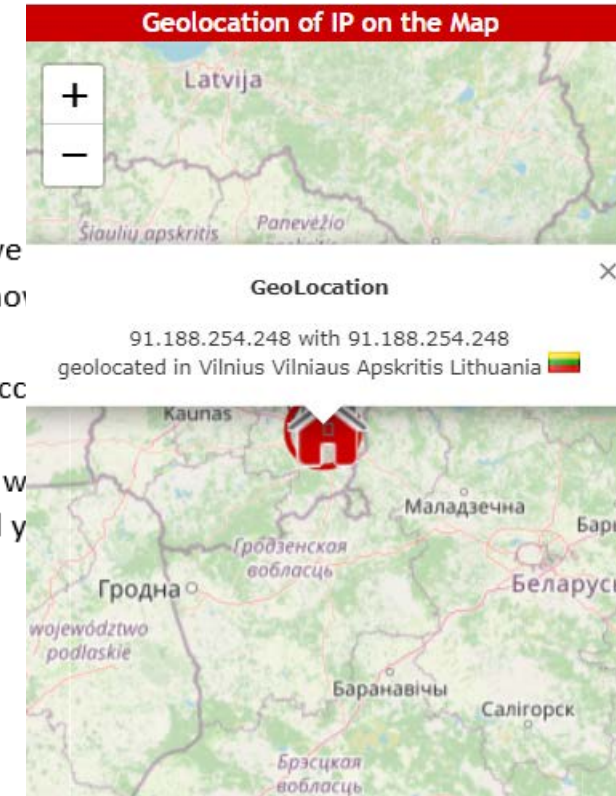
On the left half of the screen, I made a video showing how you satisfied yourself, on the right half you see the video you watched. With a click of a mouse I can send this video to all your emails and contacts on social networks I can also see access to all your programs that you use.

If you want to avoid this,

Transfer the amount of 1300 USD to my bitcoin address ("write buy bitcoin or find P2P exchange if you don't know")

My Bitcoin address (BTC wallet): 1CG2vFJTafawGPsik6jkQPCDJLJ2StGpR

After payment is received, I will delete the video and you will not hear from me again I'm giving you 48 hours to pay Do not forget that I will see you when you open the message, the counter will start If I see you've shared this message with someone else, the video will be posted immediately



Phishing



[REDACTED] and Payroll Update for 2025

To:	[REDACTED]
Date:	Monday January 2025
From:	[REDACTED]
Remarks:	We value your contribution to the team, and in recognition of your hard work, dedication, and outstanding performance, we are pleased to inform you that you will receive a raise starting on your next paycheck.

Please scan the barcode and sign where necessary:



Please review the attached document, sign where needed (pages 4-5), and initial all pages before the next payment run. We appreciate your support and look forward to continuing this journey together. Kindly scan the QR code and follow the instructions.

Thank you for taking the time to provide your input.

Sincerely,

Phishing

From: dse@camail.docusign.net
To: [REDACTED]

Wed 2023-03-08 12:20 PM

CAUTION: This email originated from outside of Street Haven. Do not click links or open attachments unless you recognize the sender and know the content is safe.

DocuSign



Review and sign.

REVIEW DOCUMENT

[REDACTED]

Please DocuSign Street Haven At The Crossroads Settlement Agreement - 9 Mar 2023.docx

Original URL: <https://bs.serving-sys.com/Serving/adServer.bs?cn=brd&PluID=0&Pos=1891345787571&EyeblasterID=1086486580&clk=1&ctick=57318&rtu=https%3A%2F%2Fcamail.web.app/ssai2Pfanx0qsk17rFe5Fe5k17havFe5ndy9s3RWO3BM2>. Click or tap if you trust this link.

Phishing

From: eProcess <dcastro@publitechgt.com>
Sent: March 26, 2025 3:11 PM
To: Sarah Hobbs (Alliance) <sarah.hobbs@allianceon.org>
Subject: VTE.REFID96813
Importance: High

You don't often get email from dcastro@publitechgt.com. [Learn why this is important](#)

PAYCHEX

Allianceon Onboarding Announcement!

We want to notify you of an important update regarding the management of your salary and benefits for 2025. To enhance efficiency and ensure accuracy, Paychex will now handle payroll, benefit and related HR services.

In your portal, you will be able to manage your account, view important documents, track progress, and access the full range of services we provide. To get started, simply follow the instructions below.

How to Access Your Portal:

1. Copy and paste the link below to your browser to navigate to the login page.
2. Enter your registered email address: sarah.hobbs@allianceon.org
3. Once logged in, you can personalize your password and explore your dashboard.

<http://shared.paychex.margorental.com?email=sarah.hobbs@allianceon.org>

Phishing

'Changes to your Tax and National Insurance' available through SharePoint



HMRC <hmrc@bham-sharepoint.online>
To

Reply

Reply All

Forward



This sender hmrc@bham-sharepoint.online is from outside your organization.

Click here to download pictures. To help protect your privacy, Outlook prevented automatic download of some pictures in this message.

CAUTION: This email originated from outside the organisation. Do not click links or open attachments unless you recognise the sender and know the content is safe.



HMRC shared a file with you

Here's the document that HMRC shared with you.



Changes to your Tax and National Insurance



This link will work for anyone in the University.

Open

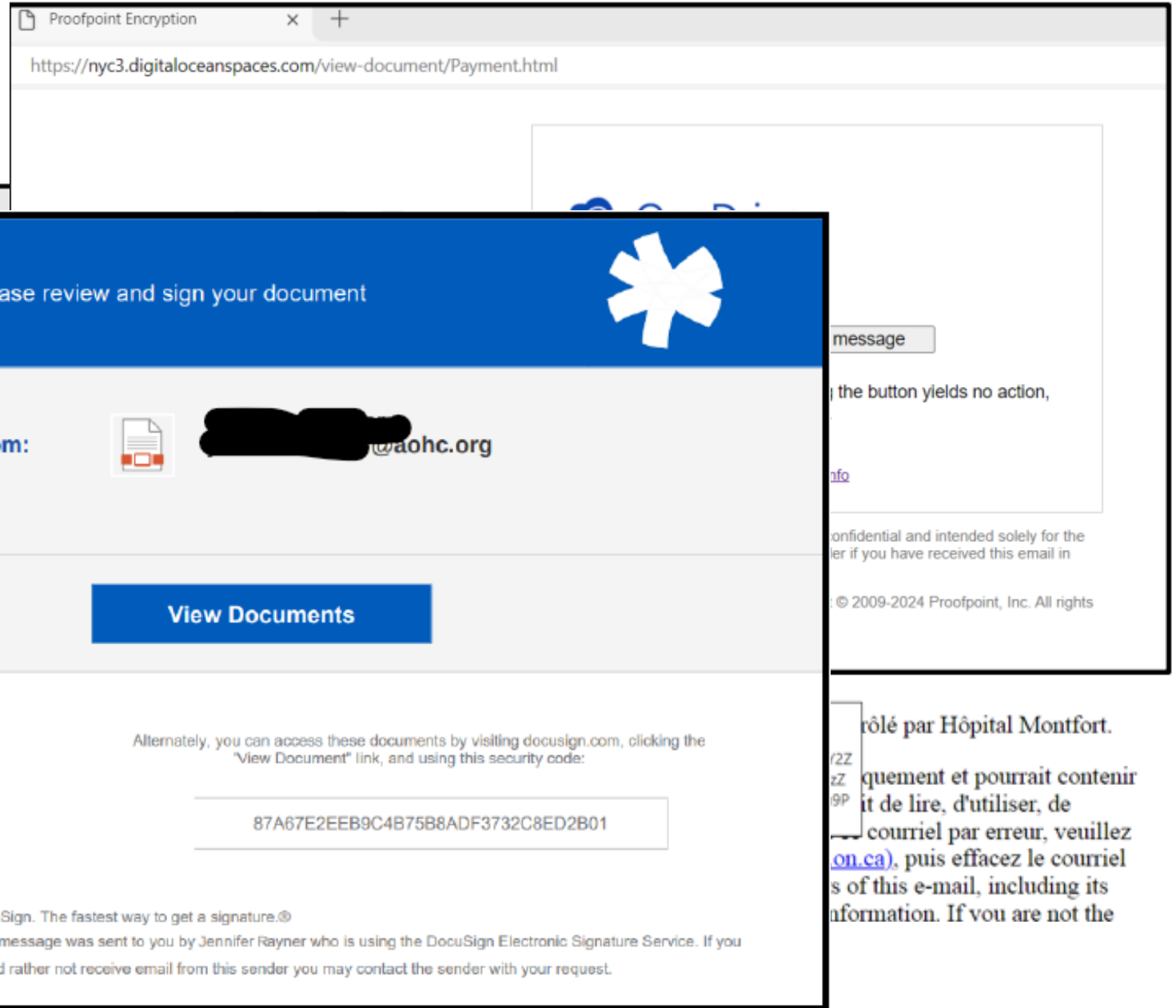
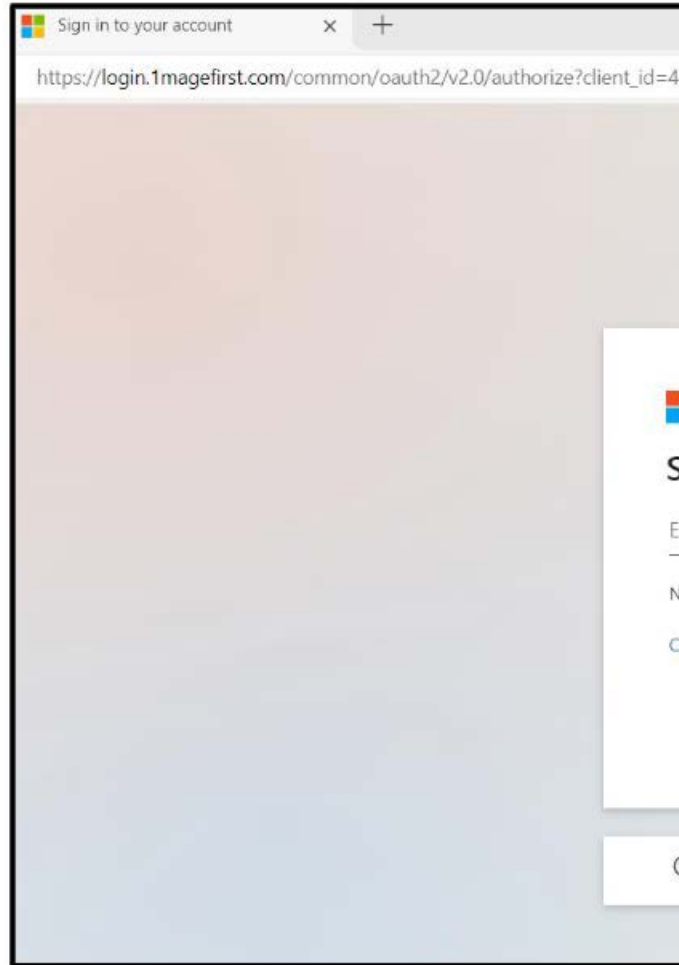
<https://login.bham-sharepoint.online/lho5hq0jlgkyubj3>

Click or tap to follow link.

Microsoft 365

[Privacy Statement](#)

Phishing



Phishing

From: Invoices <acct@cybergal.com>

Sent: Wednesday, January 22, 2025 11:41 AM

To: Sarah Hobbs <Sarah.Hobbs@allianceon.org>

Subject: CEO/Executive Advisory Membership Service INV - Climb to a better Team

Dear Sarah Hobbs,

We're thrilled to extend a warm welcome to you as a member of the **JJ PAUL LLC Advisory VIP Club**. A distinguished community comprising executives of your Caliber.

As a participant in the **JJ PAUL LLC Advisory VIP Club**, here's what's in store for you:

Personal VIP Relationship Manager, First Glimpse at New Products, Invitations to Exclusive Events, Surprises & Rewards, Priority Live Chat Support.

Please find attached your invoice for payment and see invoice summary below:

Invoice Summary:

- Invoice Number: INV1108360
- Date Issued: 01-22-2025
- Due Date: Upon Receipt
- Amount: 57,500.00 USD

Further Action Required:

To avoid any disruption in our services, we urge you to settle your payment by the due date. Doing so will ensure your continued access to our comprehensive services aimed at propelling your business forward:

We value your participation in our entrepreneurial community and are committed to supporting your business endeavors. Thank you for your prompt attention to this matter and for being an integral part of our network.

Please Note: This message is automatically generated and sent for notification purposes only. Replies to this email cannot be monitored or answered. For all inquiries or support needs, please contact Collins James directly.

Confidentiality Notice: This communication, including any attachments, contains confidential information intended only for the recipient(s). Unauthorized use, disclosure, or copying of this information is strictly prohibited.



Alliance for Healthier Communities
Advancing Health Equity in Ontario

Slide on MFA spoofing

- Microsoft Authenticator
- Text message
- Phone call
- Email

How a SIM Swap Scam Works:



Phishing

From: T [REDACTED]
Sent: Tuesday, March 12, 2024 10:29 AM
To: Joyce Morocco (Alliance)
Cc: N [REDACTED]; F [REDACTED]; C [REDACTED] P [REDACTED]
Subject: Alliance for Healthier Communities-FINAL INVOICES Sheraton Parkway Hotel

From: T [REDACTED] <[REDACTED]@sheratonparkwayNorth.com>

Date: 2024-03-20 2:29 p.m. (GMT-05:00)

To: "Joyce Morocco (Alliance)" <joyce.morocco@allianceon.org>

Cc: [REDACTED]@sheratonparkwayNorth.com, [REDACTED]
<[REDACTED]@sheratonparkwayNorth.com>, [REDACTED]@sheratonparkwayNorth.com

Subject: Re: Alliance for Healthier Communities-FINAL INVOICES Sheraton Parkway Hotel

Hello Katie,

[REDACTED]@sheratonparkwayNorth.com> [REDACTED]

Thank you for the payment.

CAUTION: This email originated from outside your organization. Exercise caution when

Hello Joyce,

Will you please confirm with your finance team if payment was processed into Sheraton Parkway Hotel CIBC bank account as discussed with Joyce.

Hope you're keeping well.

Regards,

Hi Katie,

Would you please add your finance team to the CC list.

Please find the attached final invoices with Sheraton Parkway Hotel CIBC bank account for EFT payment.

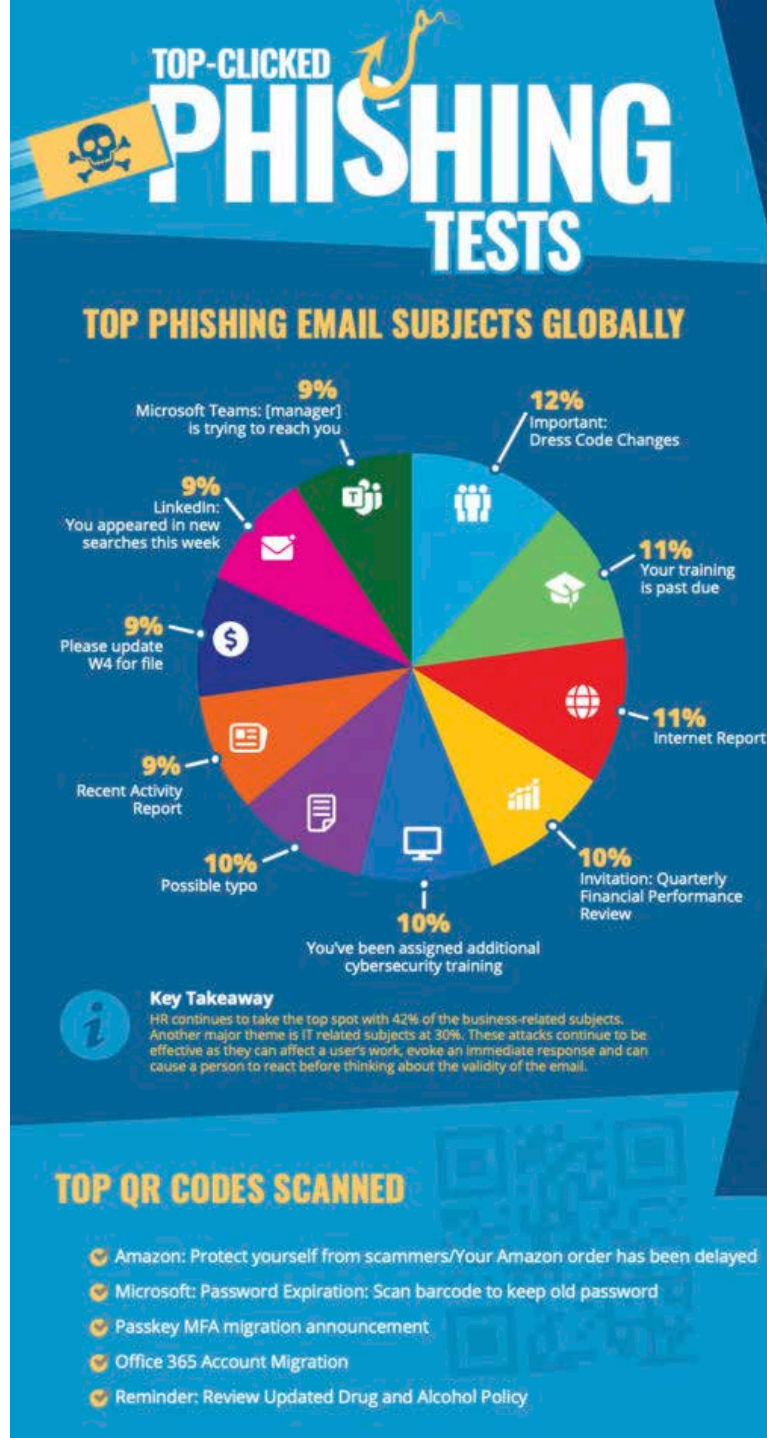
Please let us know if you have any questions or concerns.

Regards,

Regards,

T [REDACTED]

Most Common Scams 2024



RECENT "IN THE WILD" ATTACKS

- Urgent: Tax Notification (HTML Attachment)
- Welcome to the Future of Healthcare!: Unlocking New Possibilities (Link)
- Urgent Business Review (Link)
- HR: New Rewards Program (Link) (Spoofs Domain)
- AWS: AWS Account on Hold: Response Required (Link)
- Additional entries have been made on your report (Link)
- Apple: Apple Pay was suspended on your Device!! (Link)
- Annual Survey (Link) (Spoofs Domain)
- Microsoft: SECURITY ALERT! Cleansing Needed! (Link)
- Install VPN (Link)



Key Takeaway

This quarter we see IT and more personal notifications (tax, healthcare, Apple Pay) that could potentially affect users' general outlook. These types of attacks are effective because they cause a person to react to a potentially alarming topic before thinking logically about the legitimacy of the email.

TOP 5 ATTACK VECTOR TYPES



PDF Attachment

Email Contains a PDF Attachment



HTML Attachment

Email Contains an HTML Attachment



Word

Email contains a Word or .docx attachment



Excel

Email contains an Excel attachment



PPT

Email contains a PowerPoint attachment



Key Takeaway

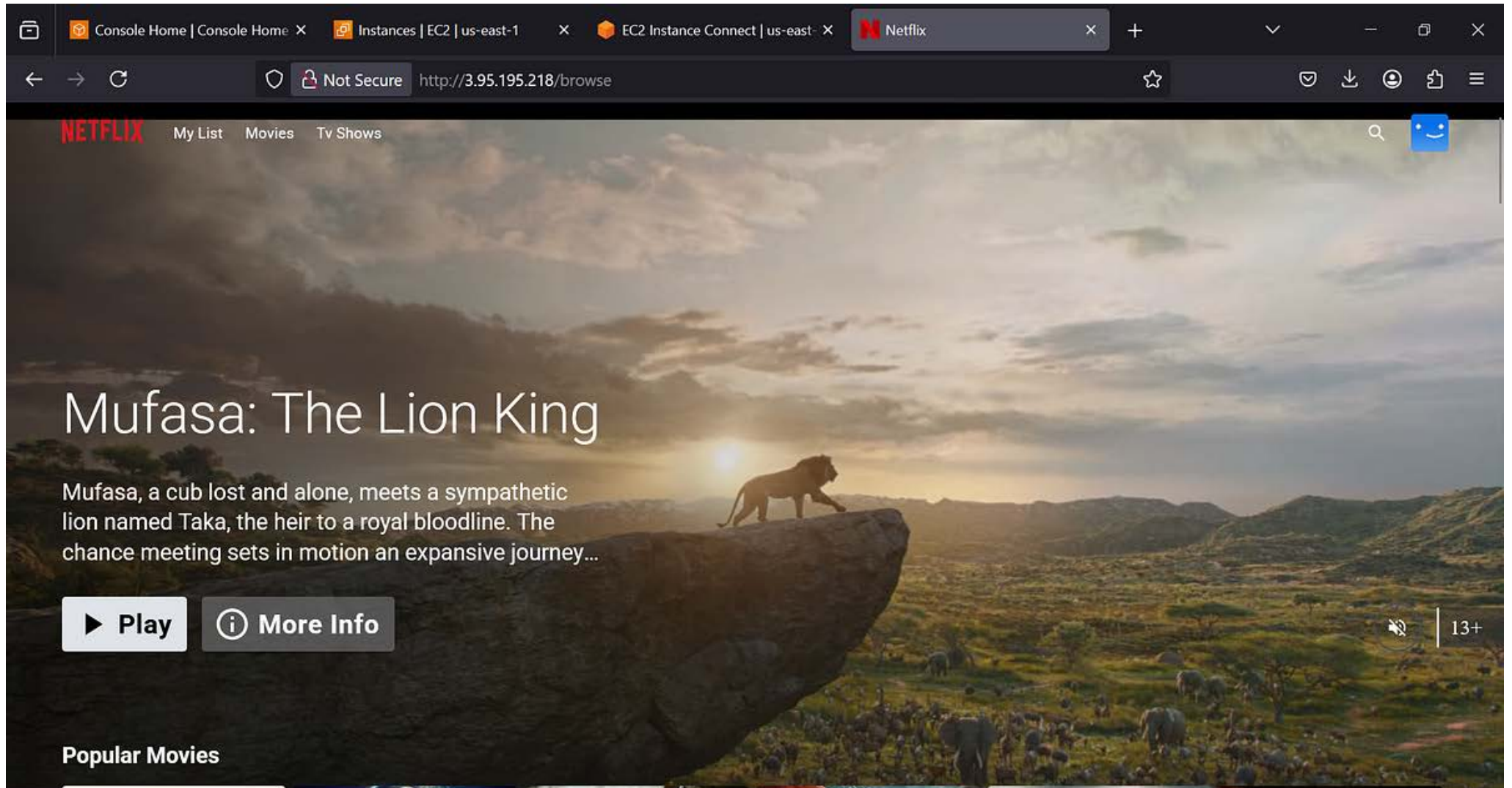
This is a ranking of top attack vector types used in KnowBe4 Phishing Security Tests. The #1 vector for the past quarter from our phishing tests and those seen in the wild are phishing links in the email body. When these links are clicked they often lead to disastrous cyberattacks such as ransomware and business email compromise.



Key Takeaway

IT related messages around migrations and passwords likely piqued interest from employees to determine what new procedures may be happening. Amazon shipments also get users to engage.

Clones



Password Security



Passwords are like ... underwear:

- Don't share them;
- The longer, the better;
- Don't leave them hanging around (e.g. w notes around your workstation);
- Change them often;
- Be mysterious, be unpredictable (choose complex passwords, use a passphrase).



Passwords

- Use passphrases

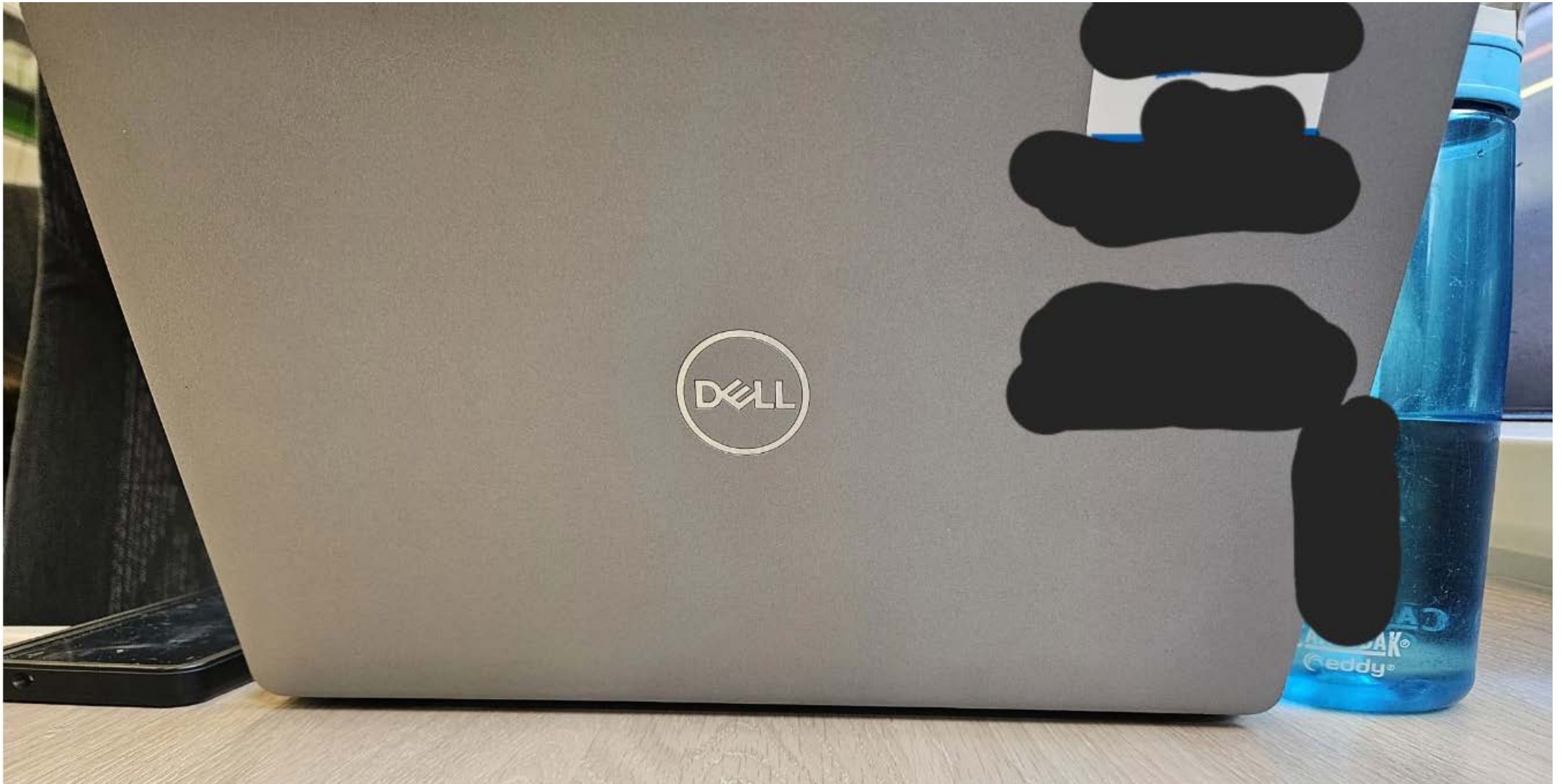
Top 10 most common passwords globally

According to NordPass' Most Common Passwords report, 2021

Rank	Password
1	123456
2	123456789
3	12345
4	qwerty
5	password
6	12345678
7	111111
8	123123
9	1234567890
10	1234567



Technology Labeling



15:15



038610

ar, 22



To: +63 939 327 6991



iMessage
Today 11:17 AM

Canadian Customs: You have a parcel being cleared, due to the detection of an invalid zip code address, the parcel can not be cleared, the parcel is temporarily detained, please confirm the zip code address information in the link within 24 hours.

<https://canada.postcanadanrl.cfd/ca>

(Please reply with a Y, then exit the text message and open it again to activate the link, or copy the link into your Safari browser and open it)
Have a great day from the Canada Post Team team!

ed speed monitoring system has
ur vehicle at 56 km/h in a school zone
eed limit is 30 km/h. It is strongly
: you make the payment before
to address this violation without
y of a court appearance and to
ulating additional late fees. Visit
ariocourts-setfines-ca.com to settle this

4:51



+1 (902)

Text
Fri, Feb 1

City of Toronto:

A parking violation of 17.11.2023 is still pending payment. You have until 18.02.2024 to complete payment by using our service portal at: <http://mytoronto-infractio> to avoid suspension of driver's licence.

Thank you for your

+1 (873) 878-2461 >

Text Message • SMS
Today 21:13

407 ETR
Express Toll Route

This is a final reminder regarding your outstanding toll bill of \$14.87 CAD.

Please ensure full payment is made by September 28th 2024, to avoid any additional charges. Failure to pay your bill in full by this date will result in extra fees and the suspension of your driver's license.

To pay your bill in full, please visit our website using the link below.

Thank you for your cooperation!

Ontario

cdic

+1 (236) 622-8547 >

Text Message
Today 09:12

Urgent: Final notice to pay your parking ticket. Additional fees apply if unpaid. Pay now at <https://mobile.parkandpay-ca.com/>

Urgent: Final notice to pay your parking ticket. Additional fees apply if unpaid. Pay now at <https://mobile.parkandpay-ca.com/>

<https://expresstoll-407.com>

3:16

+1 (9

INTERAC e-T
You've been
total amount
due to an ove



Your RBC
[45190**]
security m
link below



Reply



All
Ac

Workstation Security

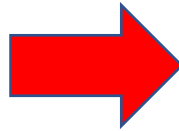
- Clean desk policy - it is becoming increasingly important for privacy and confidentiality reasons.



Removable Storage Devices Security

Watch Out for “Baiting attacks” (an example of social engineering)

- the potential attacker leaves a malware-infected USB drive or SD card in a location sure to be found (bathroom, elevator, sidewalk, parking lot), gives it a legitimate looking and curiosity-piquing label, and simply waits for the victim to use the device.



YOU HAVE BEEN
HACKED !

Smartphone Security

- Use a screenlock – every smartphone and tablet has one. Use it!
- Don't allow anyone to borrow your smartphone (especially your work smartphone);
- Don't respond to text messages from strangers;
- Don't answer calls from strange phone numbers – Let voicemail handle those;
- Back up everything often.



Digital Arrest Scam

B B C

'You are under digital arrest': Inside a scam looting millions from Indians

16 hours ago

Soutik Biswas

India correspondent • @soutikBBC

Share

THE TIMES OF INDIA

In chilling 'digital detention' scams, cybercriminals pose as cops, CBI, ED

Mateen Hafeez & Nitasha Natu / TNN / Updated: Aug 5, 2024, 09:51 IST

SHARE



AA

FOLLOW US

Cybercriminals defrauded an elderly man from Malabar Hill of over Rs 2 crore by posing as law enforcement officers and subjecting him to a fake 'digital detention'. The scam involved online interrogations and intimidation tactics. The modus operandi has been replicated in several cases, targeting victims by fabricating leg ... [Read More](#)

Digital arrest: Journalist's ordeal reveals how scammers turn homes into prisons



India Today Video Desk

UPDATED: Oct 12, 2024 14:19 IST

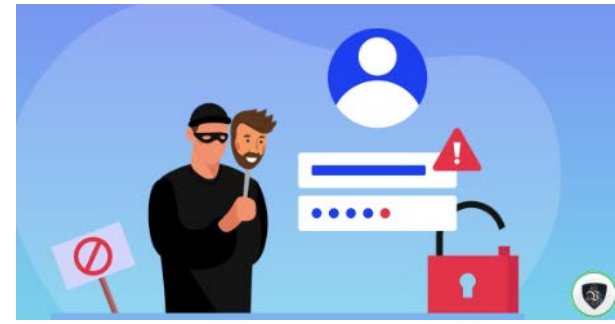


Alliance for Healthier Communities
Alliance pour des communautés en santé

Deepfake on Steroids



Identity Theft - Steps to Take



- Report to the police
- Tell financial institutions + CRA
- Report the identity theft to the Canadian Anti-Fraud Centre
- Check with Canada Post if the address they have for you is indeed yours
- Cancel any missing or stolen identification documents
- Contact Equifax and TransUnion
- May need legal help for some situations

Reporting



If an IT security incident has occurred, or you suspect one, notify your IT as soon as possible!

If something happens ...



Alliance for Healthier Communities
Advancing Health Equity in Ontario

What to do in the event of a possible cyber incident?

You clicked on a suspicious link or opened an attachment. What's next?



Disconnect from the internet right away

- Wireless - using key combination of FN + F8, to disconnect from any wireless network



- Wired – pull the cable and make sure your wireless is disabled as well
- If you cannot disconnect, turn off your computer as a last resort!



Call IT

Name	Email	Cell phone number
Zeynep Selvi	zeynep.selvi@alliance.on.ca	905-550-1735

KEY POINTS

- Strive for due diligence and best practice
- Malicious actors are relentless and adapting quickly
- We'll always be miles behind
- Help and resources are available, just look around/reach out





Thank you
Merci
Miigwetch

privacy@allianceon.org

* Please complete the evaluation form for this session to tell us how to make it better

Training Feedback

- *Your feedback is highly appreciated.*
- *Please take a minute to complete the survey.*

Cybersecurity Awareness - Option
3- Feedback



Thank you

info@accesscss.ca
accesscss.ca