The Human Factor

Empowering Staff to Stay Secure

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outline

- the human factor
- top threats
- mitigation
- integration

personal cybersecurity

Steps and precautions to:

- Secure your information and identity

- Minimize the chances of getting compromised

how much risk will you take?

"

Hope is not a strategy.

NATIONAL CYBERSECURITY ALLIANCE

35%

of Gen Z believe that online security is **not worth the effort**

38%

of respondents believe personal data theft was **unavoidable**

2024 Verizon DBIR Report

68%

of attacks involved the human element

> **Only amateurs attack machines; professionals target people.**
>
> BRUCE SCHNEIER

your role

aware
alert
assertive

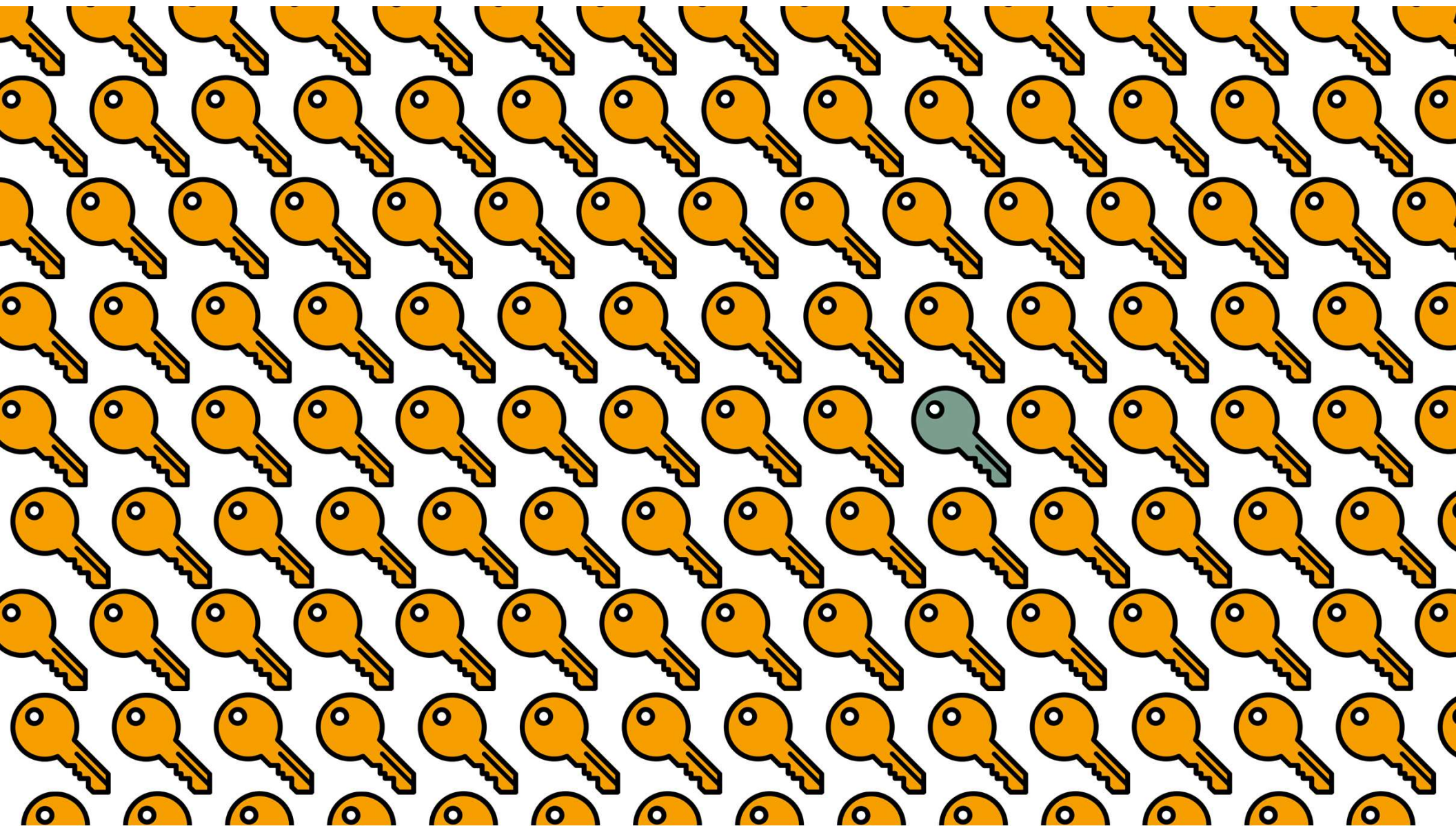your role

aware

alert

assertive

aware
alert
assertive

credential attacks

Get file of usernames and passwords from a breach.

Run script in tool across multiple websites.

Wait.

p@55w0rdS

long
strong
unique

✓ 15+ characters

✓ use passphrases

p@55w0rdS

long

strong

unique

- ✓ numbers
- ✓ cases
- ✓ symbols

p@55w0rdS

long
strong
unique

✓ don't reuse/recycle

✓ be truly random,
avoid formulas

p@55w0rdS

avoid

✖ single dictionary words

✖ simple substitutions

✖ personal information

✖ any compromised password

password managers

credential attacks
PROTECT YOURSELF

get a checkup
haveibeenpwnd.com

clean up
unused accounts

wear layers
MFA everywhere

work/life balance
separate everything

A social engineering attack that attempts to steal sensitive or personal data.

phishing

business email compromise

Targeted phishing attack that attempts to conduct financial fraud.

smishing
via
text message

vishing
via
phone/voice

quishing
via
qr code

more *ishing

Median time to click on a malicious link after email is opened

common indicators

Act now!

Is it urgent or threatening?
Is it too good to be true?

(Im)personal

Is it asking for personal info?
Is it too generic?

Something's off

Spelling/grammatical errors
Voice/tone is wrong
Unexpected

b.e.c.

PAYROLL DIVERSION SCAM

From: Stephanie Thero <cvpdrv@gmail.com>
Sent: December 19, 2023 7:34 AM
To: Wendy
Subject: Request: D/D

Hi Wendy,

I want to update my banking information before payday.

What specific details do you need?

Regards,

Stephanie Thero
Manager, Technology Services

Email address

Time

Urgency

From: Stephanie Thero <cvpdrv@gmail.com>
Sent: December 19, 2023 8:43 AM
To: Wendy
Subject: Re: Request: D/D

Please, find attached void check.

Kindly send me a confirmation when the changes have been made.

And what Pay date the changes will take effect?

Thank you.

Email address

Time

Tone

Grammar/Misspellings

From: Tatiana ▓▓▓▓▓▓▓▓▓▓
Sent: Thursday, December 21, 2023 11:24:17 AM
To: Stephanie Thero <SThero@yrl.ab.ca>
Subject: Bank information changes

Hi Stephanie,

Hope you are doing well. Just wanted to let you know that the changes in your bank information will be made on Tuesday, January 2nd and it will take effect for the payroll of January 5th, 2024.

Kind regards.

Tatiana

From: Stephanie Thero <SThero@yrl.ab.ca>
Sent: Thursday, December 21, 2023 11:30 AM
To: Tatiana
Subject: Re: Bank information changes

Hi Tatiana,

Sorry for the dumb question, what changes to my bank information are being made?

Thanks,
Stephanie

From: Tatiana ████████████
Sent: Thursday, December 21, 2023 11:36:07 a.m.
To: Stephanie Thero <SThero@yrl.ab.ca>
Subject: RE: Bank information changes

I have received the void cheque from Wendy, and your request to sent the future payroll to the new bank - BMO.
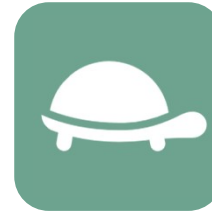
Tatiana

phishing attacks
PROTECT YOURSELF

think first
look for red flags

slow down
go to source directly

share wisely
social media, ads

report it
add-ins and 7726

just ask

training policies

leadership and IT

- ✓ ongoing, practical
- ✓ prioritized
- ✓ behaviour-focused role-based
- ✓ physical

leadership and IT

training
policies

- ✓ IT policy
- ✓ passwords
- ✓ BYOD
- ✓ social media
- ✓ AI

team
routine

everyone

- ✓ monthly updates
- ✓ acknowledge
- ✓ identify champions
- ✓ talk and share

team
routine

everyone

- ✓ lock it before you leave it

- ✓ password safety

- ✓ see something, say something

THANK YOU

Questions?

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bit.ly/IUGhumanfactor