3 things every <u>Association Exec</u> must do to protect themselves online

Simple steps you can take to protect your identity, your family, and your associations reputation

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&
Information Security Governance

What are the 3 main responsibilities and actions you must take to protect your members?

Questions as we go

"**Phishing:** a form of fraud in which an attacker masquerades as a reputable entity or person in email or other forms of communication.

$100M

The most costly phishing attack targeted Facebook and Google between 2013 and 2015

Why am I sharing this with you?

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Phishing is the easiest way for hackers to scam you

3 things every CEO must do to protect themselves online

Simple steps you can take to protect your identity, your family, and your reputation

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Why do hackers want <u>you</u>?

Your Identity

Your Privileges

Your Authority

What do they do with Your Identity?

- Access your **credit cards**
- Register **new credit cards**
- **Open lines of credit**
- **Scam your contacts**

What do they do with Your Privileges?

- **Download** all email, **contacts**, calendar events
- Access **computer network**
- **Administrative access**
- Copy **Human Resources data**
- **Read your financials to make a better ransom demand**
- **Send out mass phishing attacks to your contact list!**

What do they do with Your Authority?

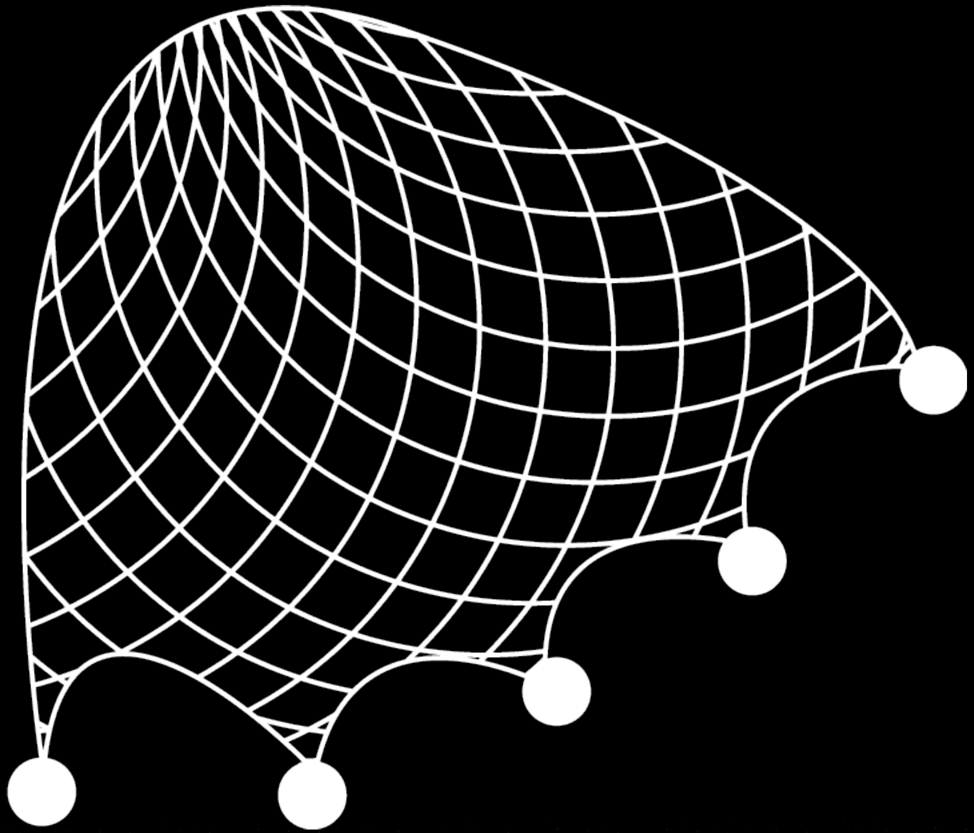
- Demand staff Buy **gift cards for marketing event**
- Get a vendor to **update payment information**
- Convince **Human Resources** to send data
- Add **new vendors for payment**
- Have your team **wire money**

3 things every Exec must do to protect themselves

- Know how to **recognize a phish**
- How to **protect your passwords**
- Keeping your **M365 account safe**

Recognizing a phish

- **Phishing**
  - Casting a wide net
  - Common vendors
  - Easy to detect

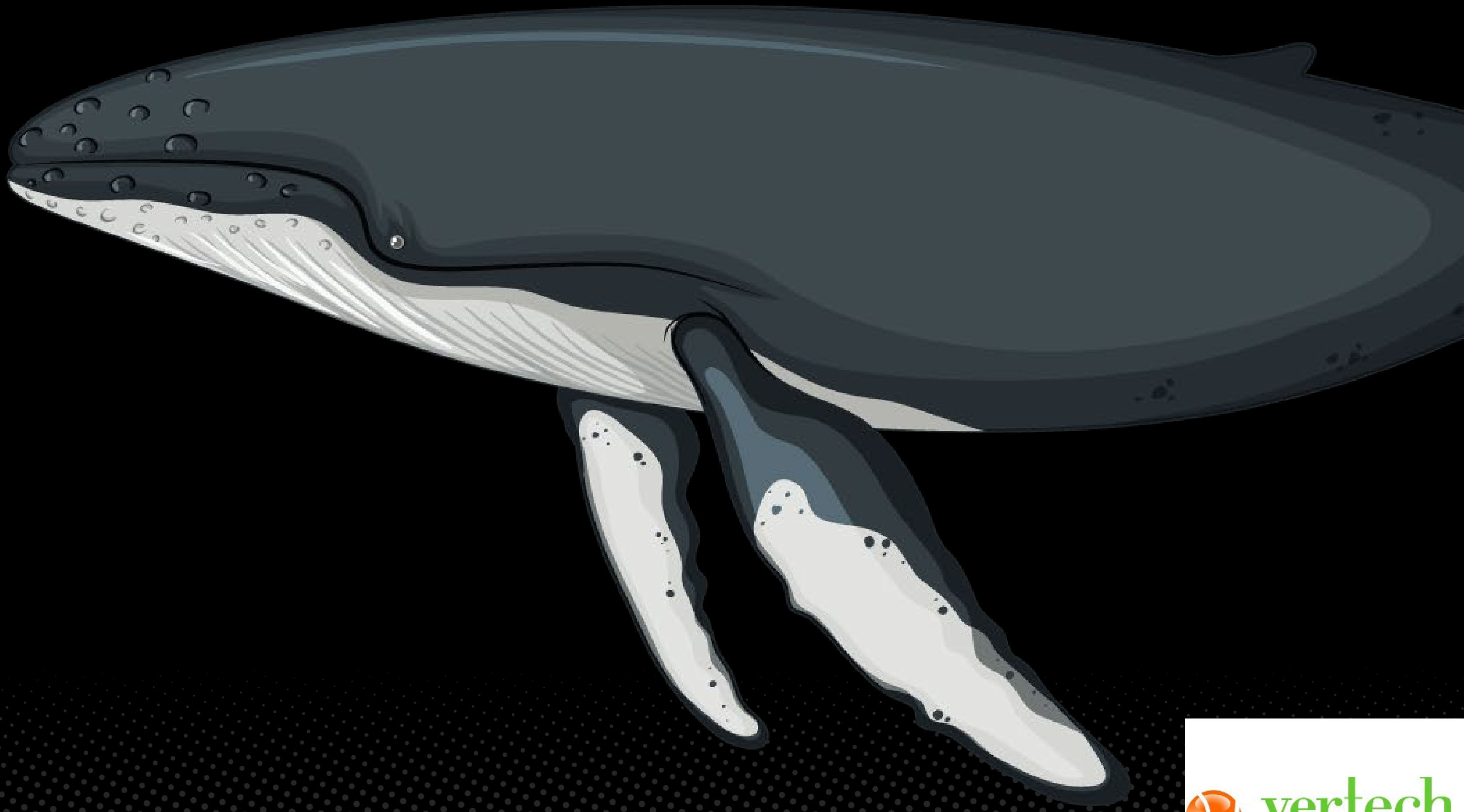


Recognizing a phish

- **Spear Phishing**
  - Focused
  - Personalized
  - Harder to detect

Recognizing a phish

- **Executive Whaling**
  - Targeted
  - Detailed Knowledge
  - Hardest to recognize



All work
the same way

Re: [Updates Amazon Service] : Fraud Payment Detection - Purchase of "AMAZON PRIME" on Amazon Market Place on Tue, April 14, 2020 KCCHZPQR Nous avons envoyé une confirmation de mise à jour du mot de passe sur le compte

A

Amazon.com <diklommkwluy68siiz42@kalian-ngentu.com>
Tue 4/14/2020 4:19 PM
account-updates@amazon.com.ae

Billing Payment Problem

Your Amazon Today's Deals Amazon App

Hello,

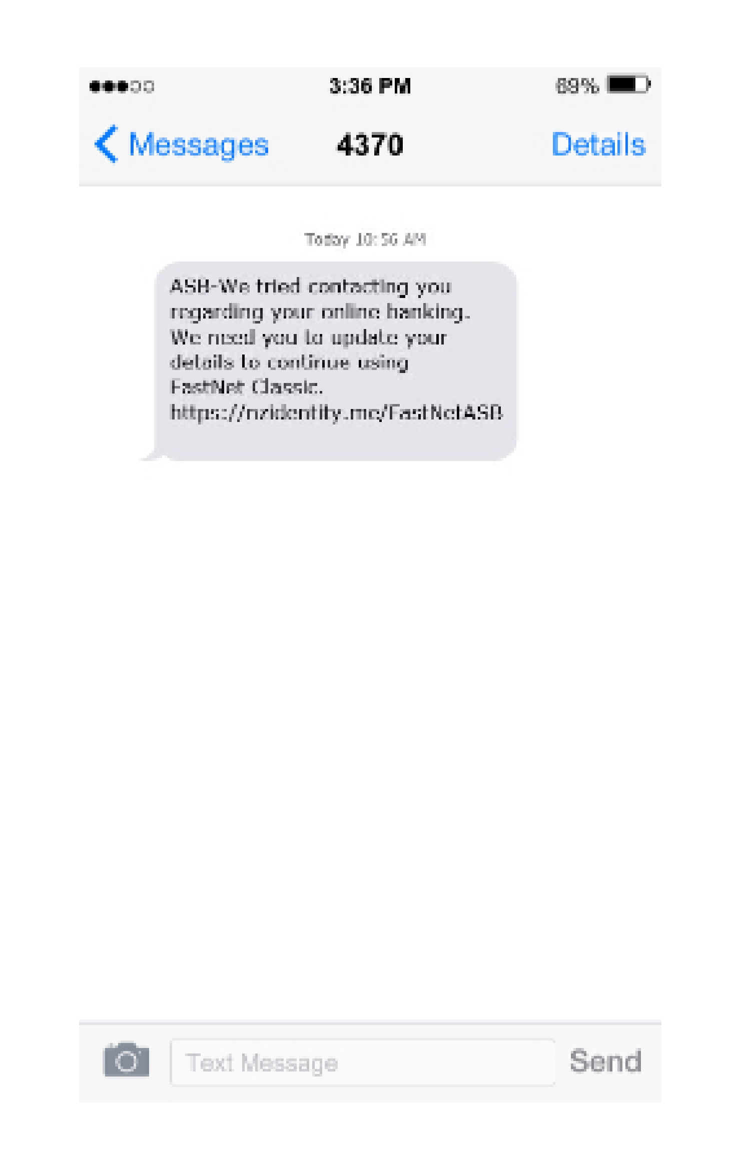
We are having trouble with your payment. Please verify or update your payment details include (such as expiry date and billing address), Valid payment information must be received within 1 day(s).

We hope see you again soon.
Amazon.com

Update Your Payment

We hope you found this message to be useful. However, if you'd rather not receive future e-mails of this sort from Amazon.com, please opt-out here.

Please note that product prices and availability are subject to change. Prices and availability were accurate at the time this newsletter was sent; however, they may differ from those you see when you visit Amazon.com.

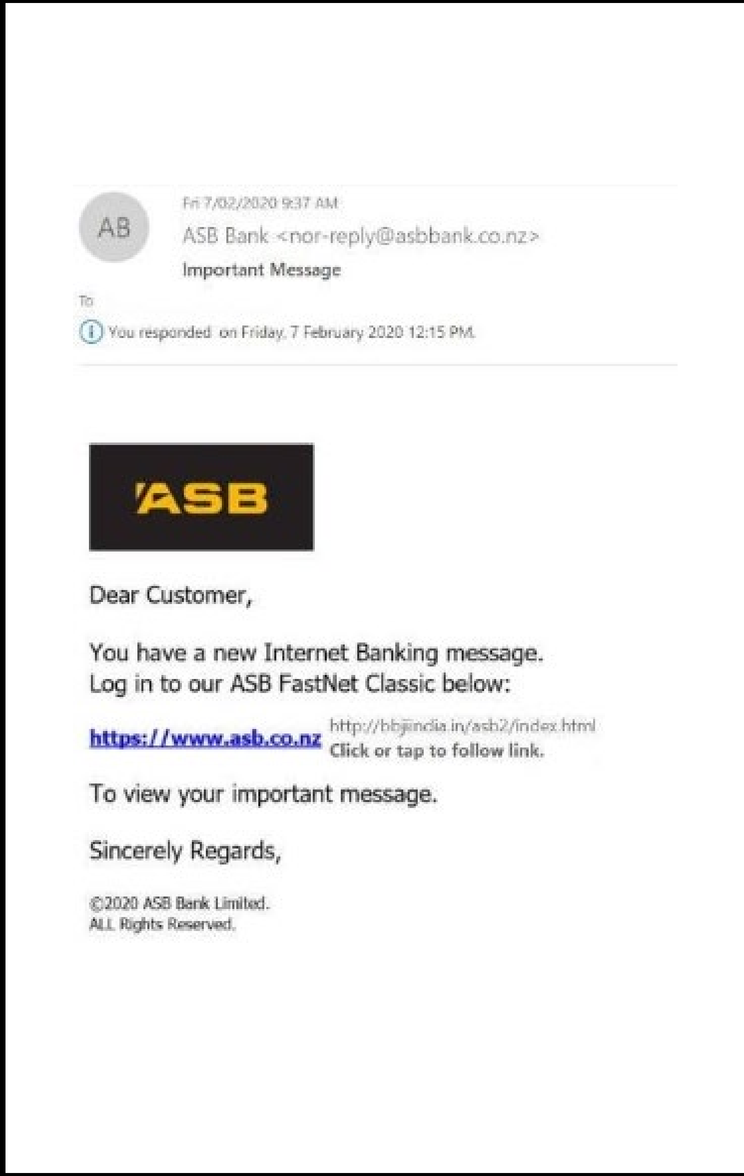

3:36 PM 89%

Messages 4370 Details

Today 10:56 AM

ASB-We tried contacting you regarding your online banking. We need you to update your details to continue using FastNet Classic. https://nzidentity.me/FastNetASB

Text Message Send


Fri 7/02/2020 9:37 AM

ASB Bank <nor-reply@asbbank.co.nz>

Important Message

To

You responded on Friday, 7 February 2020 12:15 PM.

ASB

Dear Customer,

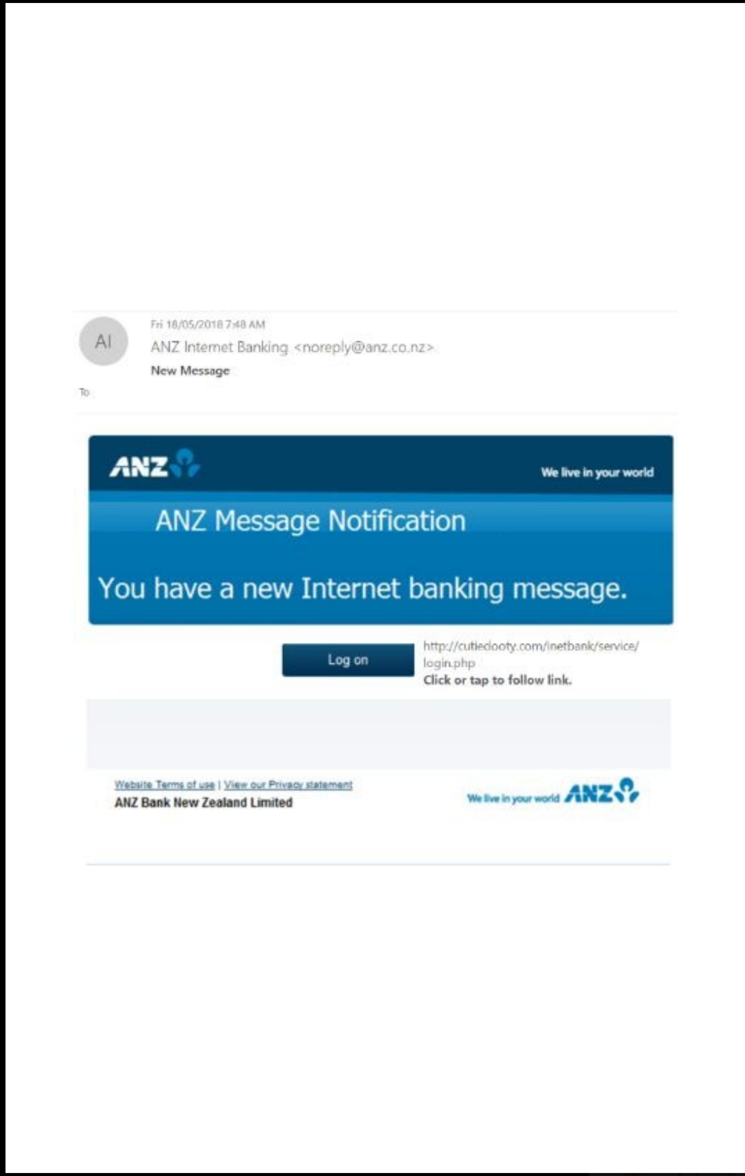
You have a new Internet Banking message.
Log in to our ASB FastNet Classic below:

https://www.asb.co.nz http://bbjiindia.in/asb2/index.html
Click or tap to follow link.

To view your important message.

Sincerely Regards,

©2020 ASB Bank Limited.
ALL Rights Reserved.


Fri 18/05/2018 7:48 AM

ANZ Internet Banking <noreply@anz.co.nz>

New Message

To

ANZ We live in your world

ANZ Message Notification

You have a new Internet banking message.

Log on http://cutiedooty.com/inetbank/service/login.php
Click or tap to follow link.

Website Terms of use | View our Privacy statement
ANZ Bank New Zealand Limited

We live in your world ANZ

Short Storage Quota Drive Space - Message (HTML)

FILE MESSAGE

Wed 7/17/2019 7:47 PM

Microsoft Office 365 Team <office365@email.microsoft.com>

Short Storage Quota Drive Space

To Recipients

If there are problems with how this message is displayed, click here to view it in a web browser.

Office 365

A low-severity alert has been triggered

Creation of forwarding / redirect rule

Severity: Low
Activity: MailRedirect
Details: MailRedirect. This alert is triggered whenever someone gets access to your user's email.

Investigate

Thank you, The Office 365 Team

Privacy | Legal

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Protect Yourself

- **Slow down**
- **Hover over links** to see details
- **Do not click links in email**
- Never use **phone numbers from emails**

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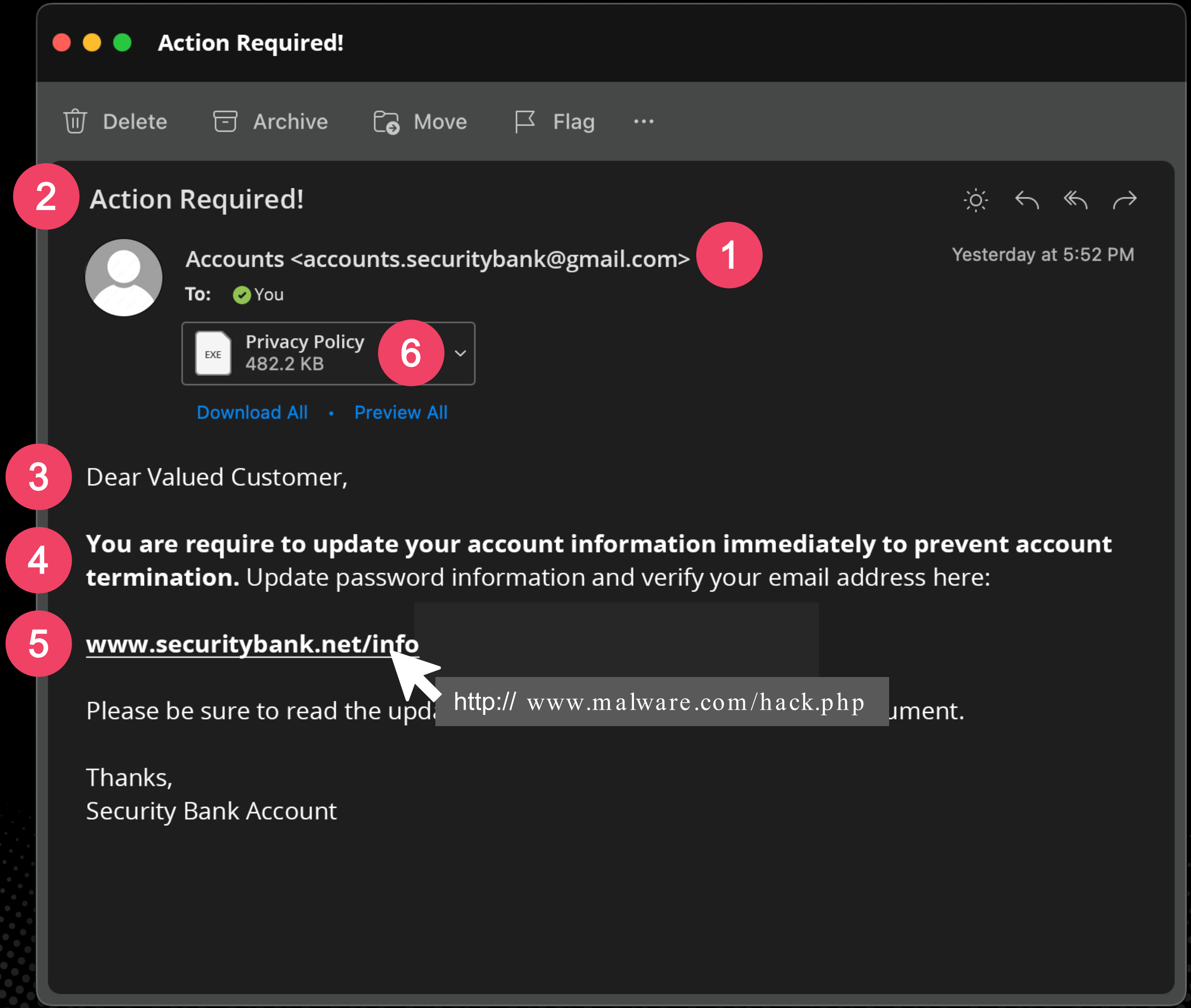
Watch out for:



1. An illegitimate or unfamiliar **email address**
2. A sense of **urgency**
3. A generic **greeting/salutation**
4. Spelling and grammar **mistakes**
5. Suspicious **links** , or links that don't match the destination
6. Unexpected **attachments** (especially .exe files)

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3 things every Assoc Exec must do to protect themselves

- Know how to **recognize a phish**
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4 out of 5

breaches are linked to **insecure passwords**

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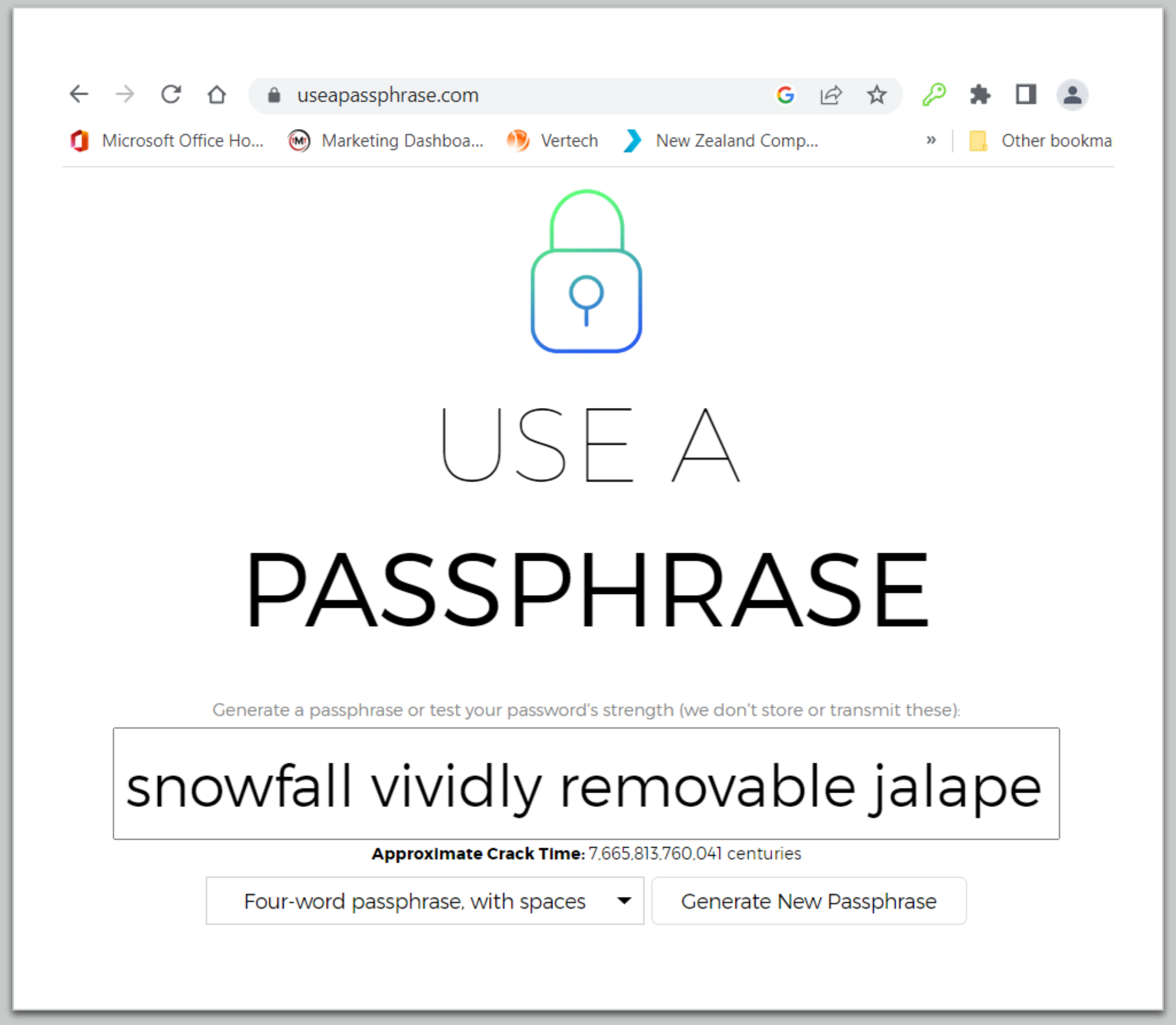
Your Passwords

- Hackers hunt for **easy access**
  - Guessing your passwords
- Passwords can **be the way in**
  - Buying passwords on the dark web
- **Insecure passwords** result in movement
  - Finding passwords and using them to access other resources

Protect Yourself

- Do not **reuse passwords**
- Do not **use patterns**
- Avoid **insecure password storage**
  - Outlook
  - Word Documents
  - Excel Files



Protect yourself:

Get a password manager

Protect yourself:

Set up multifactor authentication on all your accounts

3 things every Assoc Exec must do to protect themselves

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In 2020:

65% of organizations

suffered a business email compromise

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In 2021:

77% of organizations

suffered a business email compromise

Federal Bureau of Investigation (FBI) said that the amount of money lost to business email compromise (BEC) scams continue to grow each year, with a **65% increase** in the identified global exposed losses between July 2019 and December 2021.

Frequency is Increasing

Cost is Increasing

M365: What does an attacker get?

- **Email**
  - Saved items
  - Sent items
  - Deleted Items
- **Contacts**
- **Tasks**
- **Calendar**
- **Notes**

Send Messages

Ransomware to Contacts

Create Forwarding Rules

Subject: Invoice

Send a Copy to Hacker

Move to Deleted Items

Protect yourself

- Make sure you have **multifactor authentication set up**
- Do not log in to your M365 from **non-work computers**
- **Do not use any free or public networks**

3 things every Assoc Exec must do to protect themselves

- Know how to **recognize a phish**
- How to **protect your passwords**
- Keeping your **M365 account safe**
- **3 basic Information Security Governance tips**
- Take a holistic approach
- Training & awareness
- Monitor and measure

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Take a holistic approach

- What are you doing now?
- What do you have to protect?
- What are your threats?
- Evaluate, Direct, Monitor
- Maintain Confidentiality, Integrity, Availability of data
- Use Frameworks to base policy and set direction for action

CIS Cybersecurity Framework v8

The number of Safeguards an enterprise is expected to implement increases based on which group the enterprise falls into.

153
TOTAL SAFEGUARDS

IG3 assists enterprises with IT security experts to secure sensitive and confidential data. IG3 aims to prevent and/or lessen the impact of sophisticated attacks.

23
SAFEGUARDS

IG2 assists enterprises managing IT infrastructure of multiple departments with differing risk profiles. IG2 aims to help enterprises cope with increased operational complexity.

74
SAFEGUARDS

IG1 is the definition of essential cyber hygiene and represents a minimum standard of information security for all enterprises. IG1 assists enterprises with limited cybersecurity expertise thwart general, non-targeted attacks.

56
SAFEGUARDS

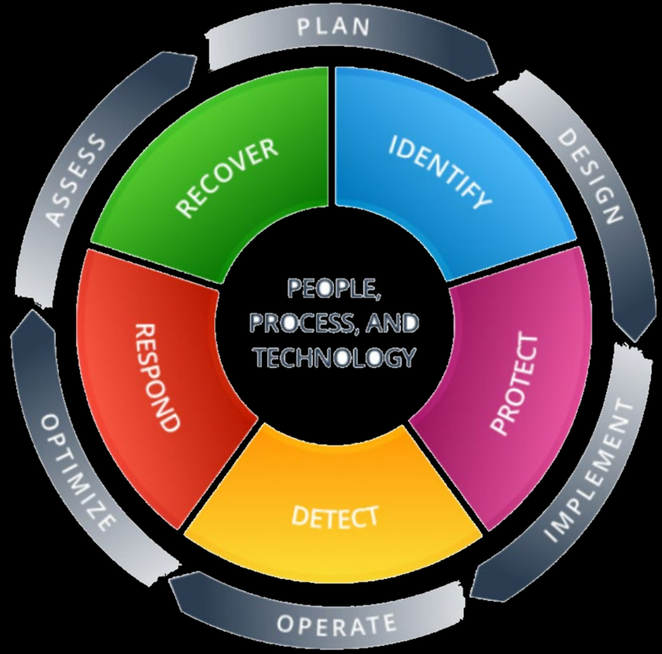
Implementation Group 3
A mature organization with significant resources and cybersecurity experience to allocate to Sub-Controls

Implementation Group 2
An organization with moderate resources and cybersecurity expertise to implement Sub-Controls

Implementation Group 1
An organization with limited resources and cybersecurity expertise available to implement Sub-Controls

Definitions	1	2	3
Implementation Group 1 CIS Sub-Controls for small, commercial off-the-shelf or home office software environments where sensitivity of the data is low will typically fall under IG1. Remember, any IG1 steps should also be followed by organizations in IG2 and IG3.	●		
Implementation Group 2 CIS Sub-Controls focused on helping security teams manage sensitive client or company information fall under IG2. IG2 steps should also be followed by organizations in IG3.	●	●	
Implementation Group 3 CIS Sub-Controls that reduce the impact of zero-day attacks and targeted attacks from sophisticated adversaries typically fall into IG3. IG1 and IG2 organizations may be unable to implement all IG3 Sub-Controls.	●	●	●

Control	Title	Safeguards	IG1	IG2	IG3
CONTROL 01	Inventory and Control of Enterprise Assets	5 Safeguards	2/5	4/5	5/5
CONTROL 02	Inventory and Control of Software Assets	7 Safeguards	3/7	6/7	7/7
CONTROL 03	Data Protection	14 Safeguards	6/14	12/14	14/14
CONTROL 04	Secure Configuration of Enterprise Assets and Software	12 Safeguards	7/12	11/12	12/12
CONTROL 05	Account Management	6 Safeguards	4/6	6/6	6/6
CONTROL 06	Access Control Management	8 Safeguards	5/8	7/8	8/8
CONTROL 07	Continuous Vulnerability Management	7 Safeguards	4/7	7/7	7/7
CONTROL 08	Audit Log Management	12 Safeguards	3/12	11/12	12/12
CONTROL 09	Email and Web Browser Protections	7 Safeguards	2/7	6/7	7/7
CONTROL 10	Malware Defenses	7 Safeguards	3/7	7/7	7/7
CONTROL 11	Data Recovery	5 Safeguards	4/5	5/5	5/5
CONTROL 12	Network Infrastructure Management	8 Safeguards	1/8	7/8	8/8
CONTROL 13	Network Monitoring and Defense	11 Safeguards	0/11	6/11	11/11
CONTROL 14	Security Awareness and Skills Training	9 Safeguards	8/9	9/9	9/9
CONTROL 15	Service Provider Management	7 Safeguards	1/7	4/7	7/7
CONTROL 16	Applications Software Security	14 Safeguards	0/14	11/14	14/14
CONTROL 17	Incident Response Management	9 Safeguards	3/9	8/9	9/9
CONTROL 18	Penetration Testing	5 Safeguards	0/5	3/5	5/5



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3 Information Security Governance Tips

- Take a holistic approach
- Training & awareness
- Monitor and measure

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Training and Awareness

- Incident Response
- Disaster Recovery
- Training
- Testing
- Frequency

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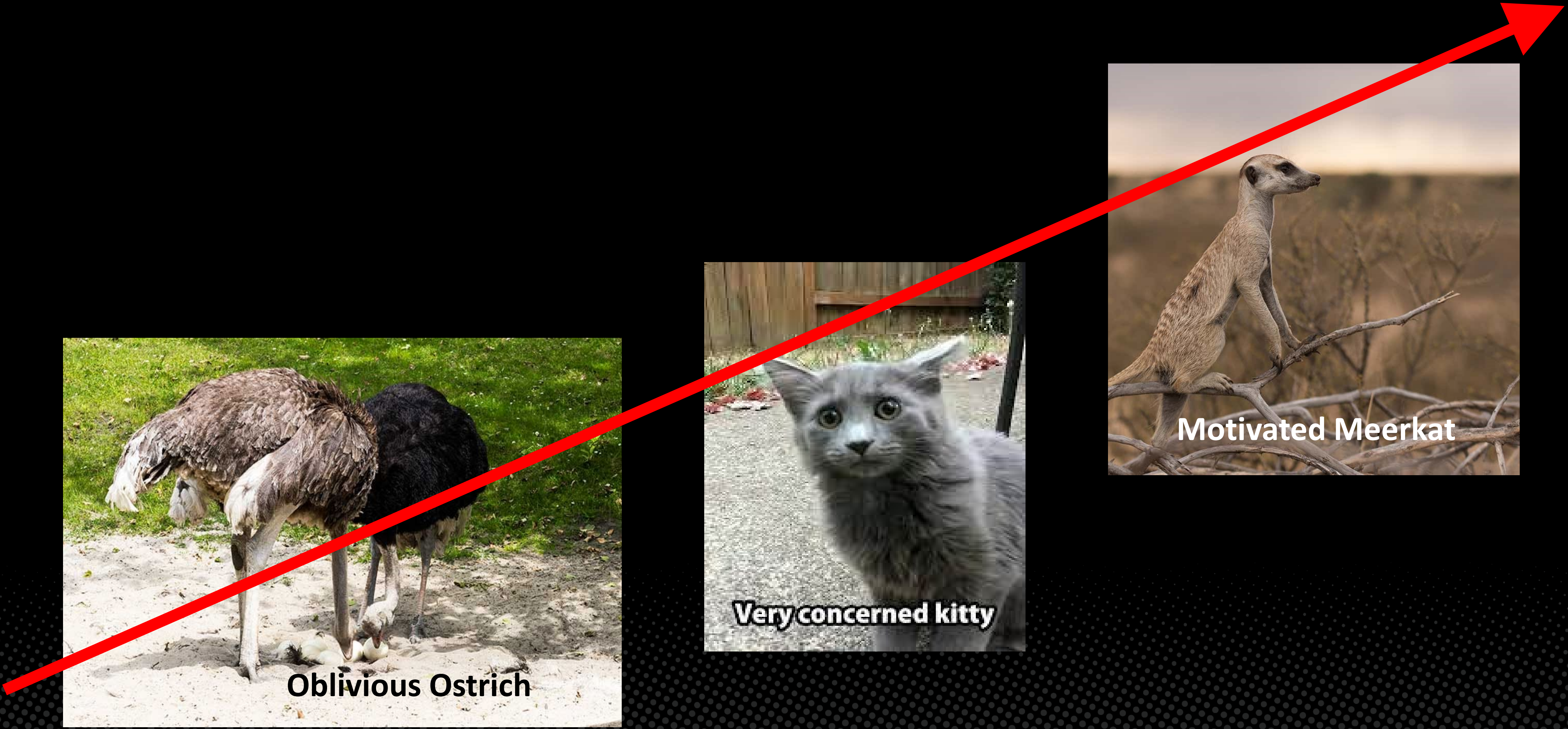
3 Information Security Governance Tips

- Take a holistic approach
- Training & awareness
- Monitor and measure

Monitor and measure

- So now you’ve set some policies…cool now what?
- Are you meeting your own standards?

Where are you on my Cyber Security Animal Scale?



Or… an Unstoppable Unicorn?

What next?

Getting all of this right is hard

Want to know how you are doing?

We have a third-party that analyzes our <u>cyber risk</u>

Costs ~$3580 per analysis

We’ve got the bandwidth to conduct just six a month

Here's what you can do:

Get a FREE <u>executive</u> cyber security risk assessment

Get up and give Bianca your card now….

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Are you

The right person for this?

Are you

Completely protected?

We will not need

Administrative credentials

We will not

Install anything

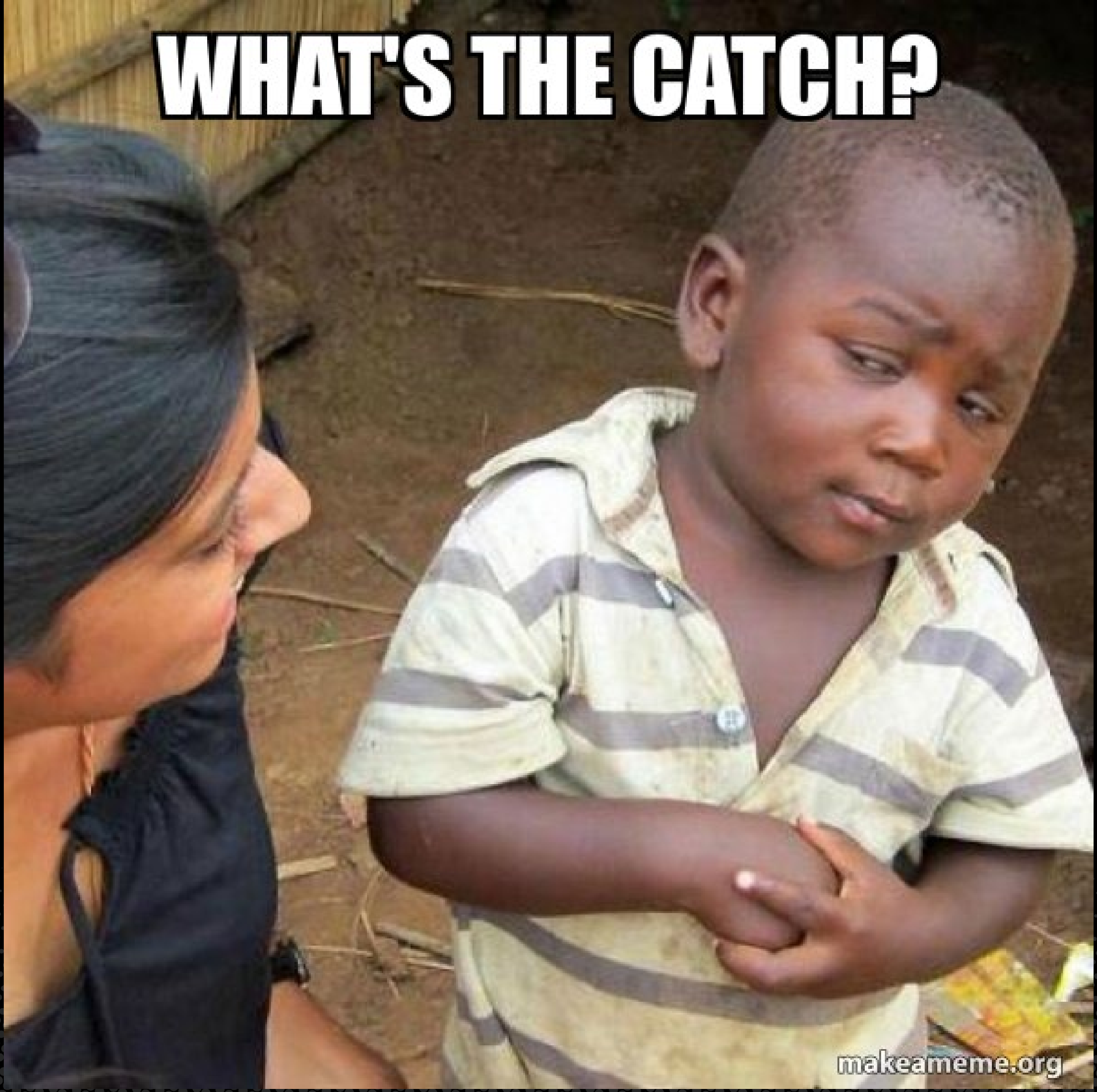
We will:

Analyze your security

Meet with you and review the results

Give you simple steps you can take to protect yourself and your data

Really the first three to give their card to Bianca gets it free.


WHAT'S THE CATCH?
makeameme.org

Our Mission:

Protect Kiwi SMB’s

Here’s what you can do:

Get a FREE executive cyber security risk assessment

vertech.co.nz/services/cybersecurity