

Cyber Pitfalls - Have you been phished yet?



Senior Inspector Paul YEUNG
Cyber Security and Technology Crime Bureau



Agenda

Cyber Security and Technology Crime Landscape

Latest Phishing Trends

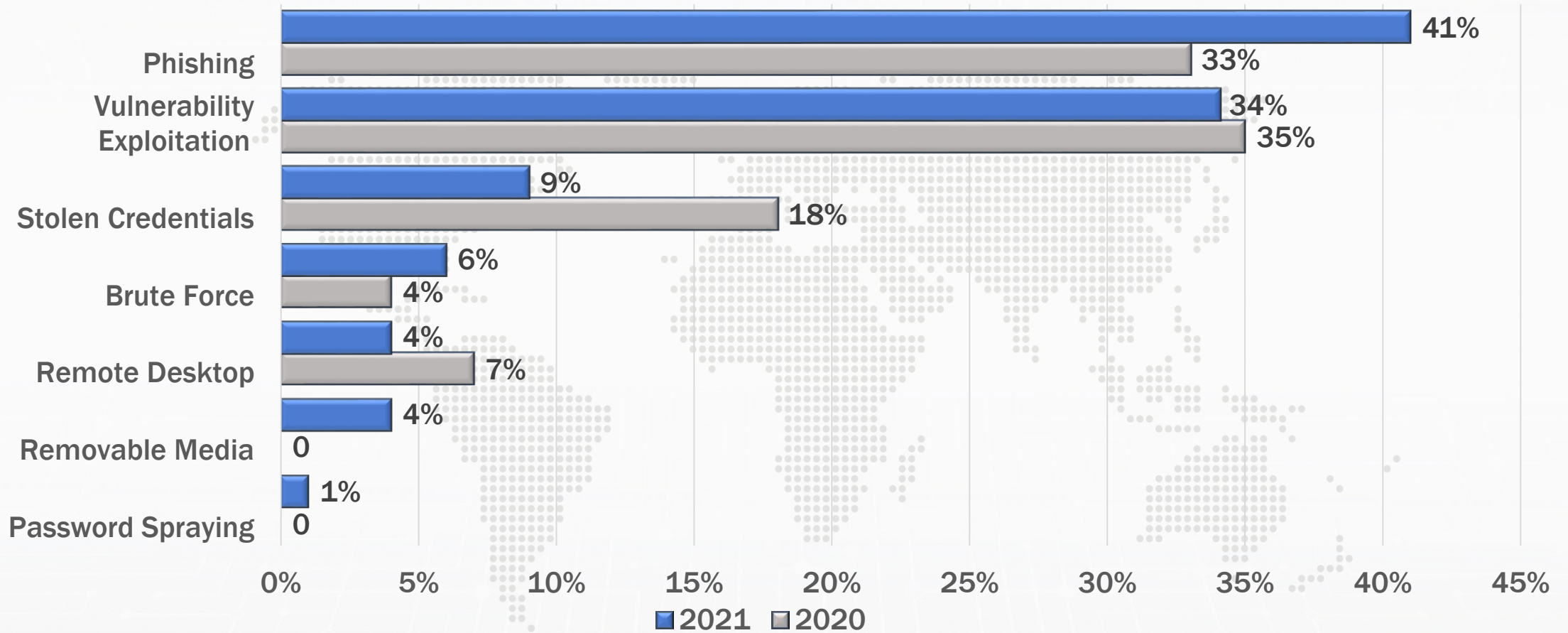
Phishing Email Campaign 2022

Security Recommendations



Global Cyber Security Landscape

Top Infection Vectors, 2021 vs. 2020

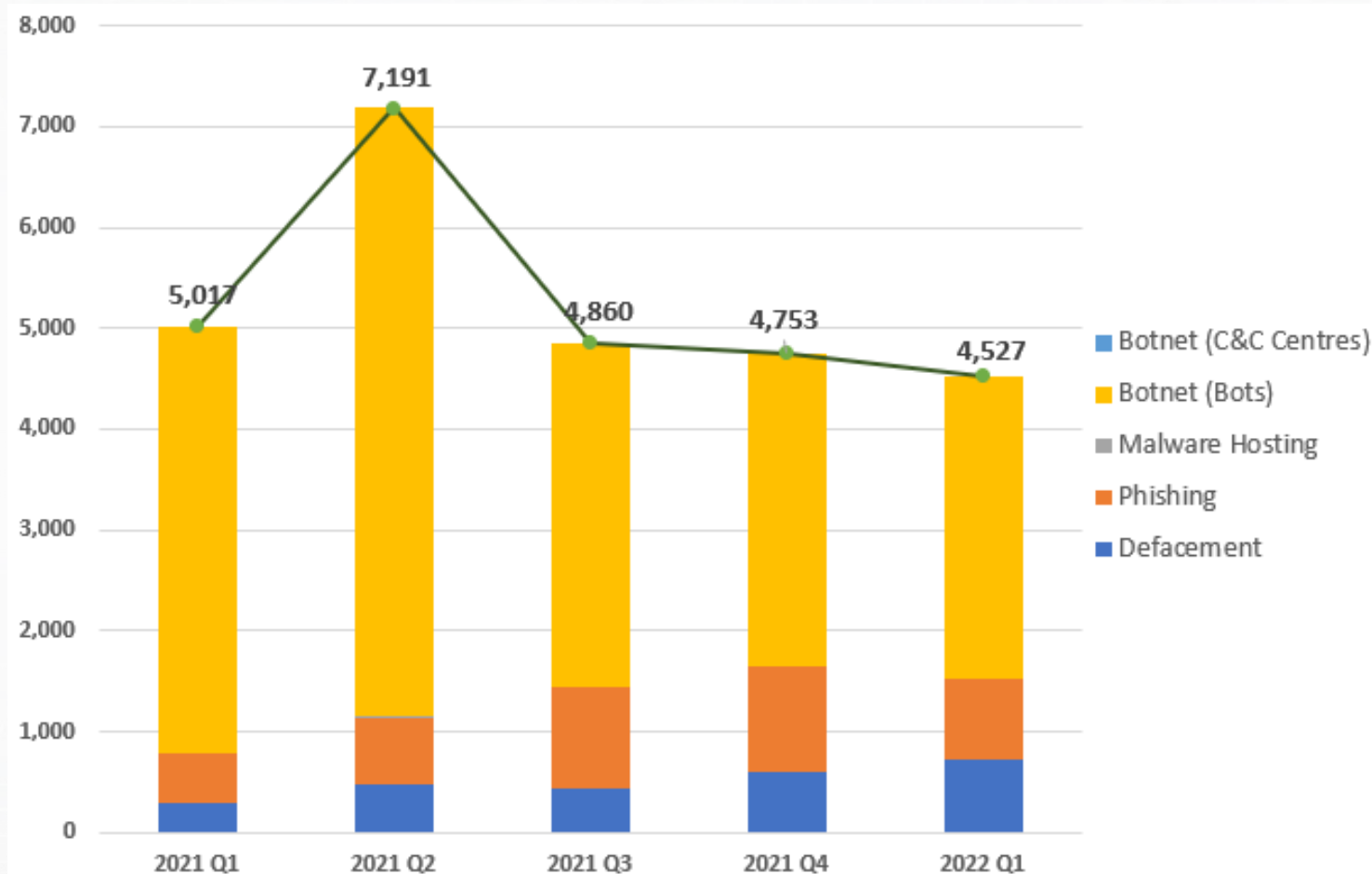


Source: IBM X-Force Threat Intelligence Index Report 2022

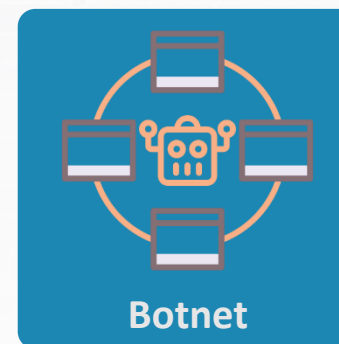


Cyber Security Incidents in Hong Kong

Nature of Security Events



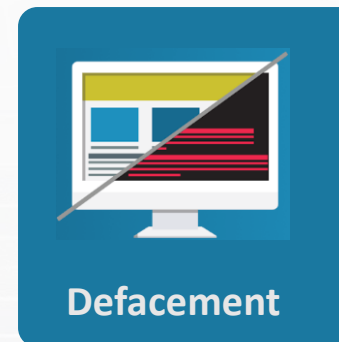
Source: Hong Kong Security Watch Report (Q1 2022)



1



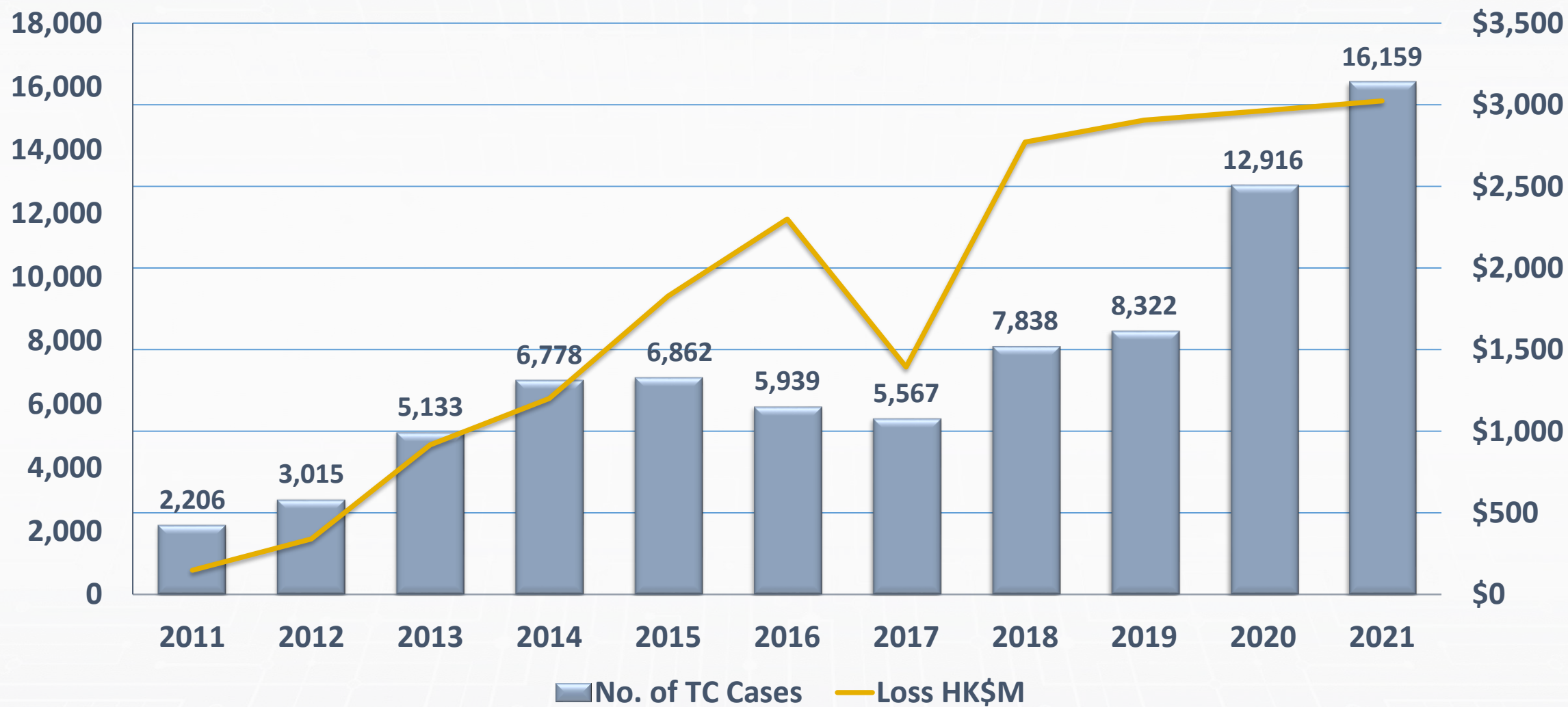
2



3

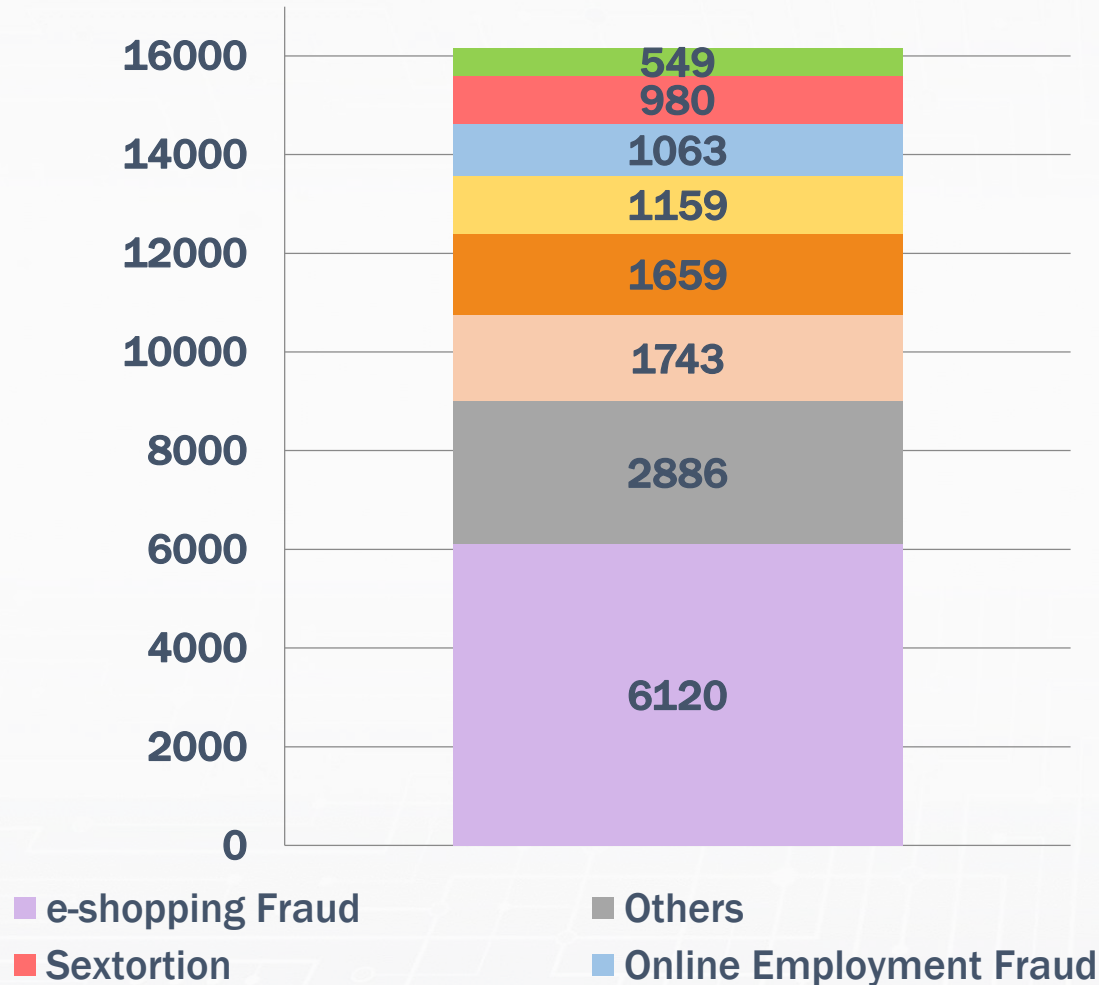


Technology Crime Trend in Hong Kong

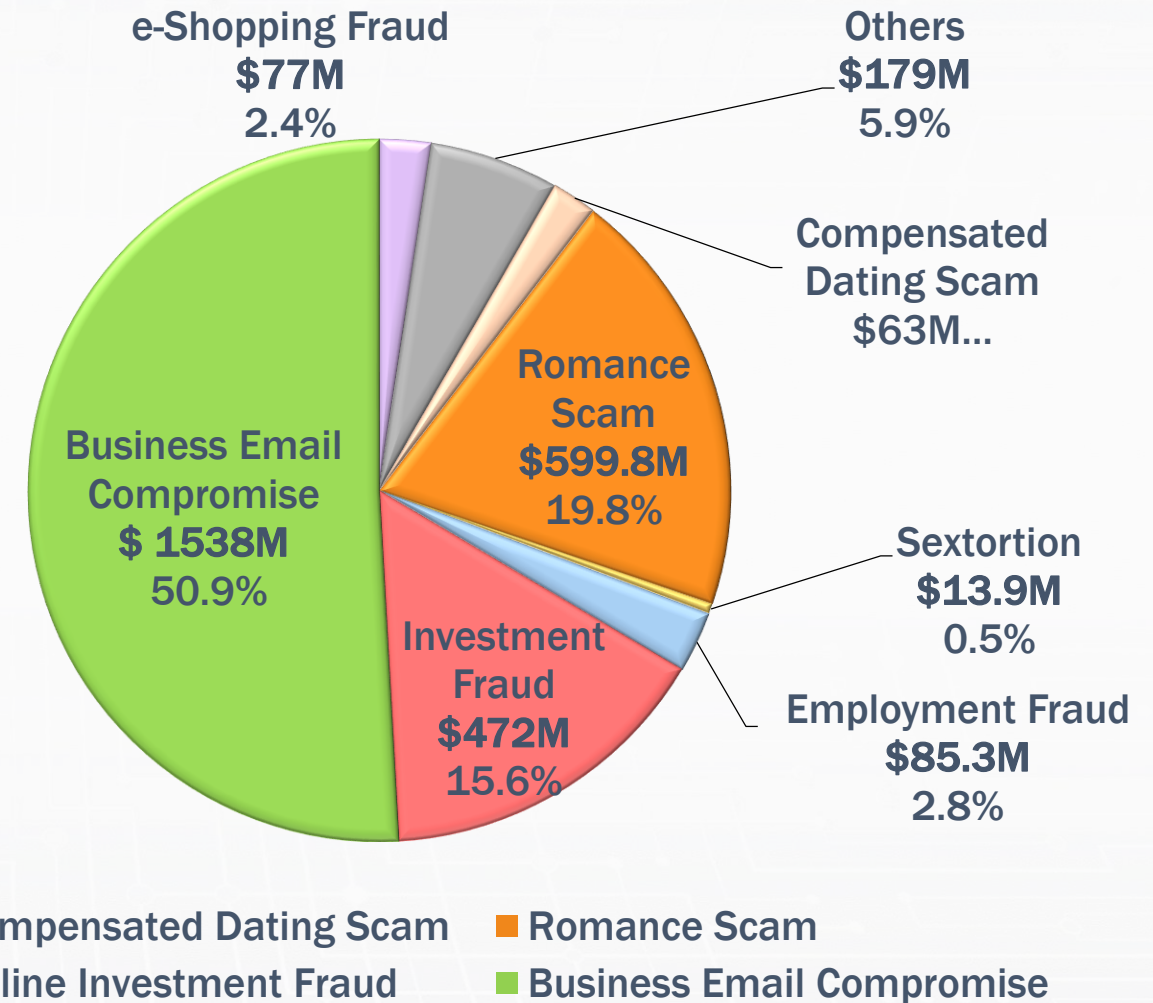


Technology Crimes in Hong Kong 2021

Breakdown by No. of Cases



Breakdown by Loss Amount



Common Types of Phishing



Phishing

- Most popular social engineering scam via email
- Fake email domain
- Character substitution (e.g. “0” for “o” , “rn” for “m”)
- Unique domain (e.g. “policegovhk.net” for “police.gov.hk”)
- Sensitive info compromised / malware being downloaded



Smishing

- Phishing via text (SMS)
- Spoofed display names as trusted source (e.g. bank, government)
- Trick user to click phishing link
- Compromised sensitive info / malware being downloaded



Common Types of Phishing



Vishing

- Phishing via phone calls
- Impersonating as trusted source (e.g. company CEO)
- Ask to 'verify' private details / click attachment in phishing email



Quishing

- Phishing via QR code
- Bypass traditional defences (e.g. secure email gateways (SEGs))
- Trick user to access “encrypted message” by scanning QR code



Email Scam (Business Email Compromise)

1

Hacked Server for Email Conversation



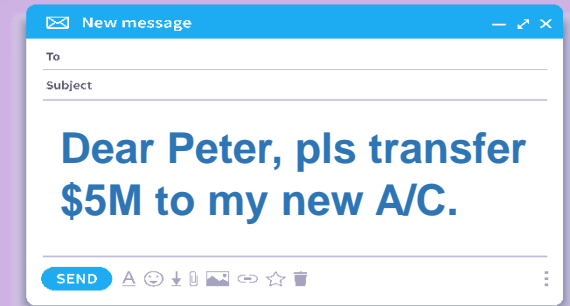
2

Disguised as Managements or Business Partners



3

Request Payment to Designated Account



Business Email Compromise Cases in 2022

<  突發 · 加入自選   ...



騙徒冒德國總公司索款 港分公司董事被騙走1136萬

撰文：凌逸德

🕒 2022年4月26日 12:49

< 返回 **巴士的報**  

政事 社會事 食玩買 娛圈事 巴士的報CHAN ▾



環保科技公司遭一封電郵騙億元

2022年05月06日03:00 最後更新: 03:10  Like 0



Ethical Phishing Email Campaign 2022

- Conducted in April 2022 to raise phishing awareness
- 61 Local companies / organizations participated
- 3,200 participants
- Over 15,000 pseudo phishing email sent
- Performance report upon conclusion of campaign

Thank you for participating in the

Ethical Phishing Email Campaign 2022

Please be reminded not to click into any link
in a suspicious email.

You will be redirected to the
CyberDefender (https://cyberdefender.hk/phishing_attack/)
supported by the Cyber Security and Technology Crime Bureau of
the Hong Kong Police Force shortly for useful security tips.



Cyber Security and Technology Crime Bureau
Hong Kong Police Force



Ethical Phishing Email Campaign 2022

From: DHL <noreply@dhl-account.com>
Reply-To: DHL <noreply@dhl-account.com>
Subject: DHL on Demand Delivery

☒ Show Remote Images



Dear customer,

Your DHL Express shipment with waybill number 84160694822 had arrived at your provided address on 2 April 2022 but the delivery was unsuccessful.

To view your delivery options, make a change or track your shipment, please submit your updated details online for re-arranging the delivery of your package.

[Go Online Here](#)

Signed By - DHL MANAGEMENT

THIS IS AN AUTOMATICALLY TRANSMITTED MESSAGE. PLEASE DO NOT RESPOND TO IT.

DHL Express - Excellence. Simply delivered.



GOGREEN - Environmental protection with DHL

Please consider your environmental responsibility before printing this email

From: Inland Revenue Department <taxinfo@ird.gov.hk>
Reply-To: Inland Revenue Department <taxinfo@ird.gov.hk>
Subject: Message from your eTax account

☒ Show Remote Images

Inland Revenue Department
The Government of the Hong Kong Special Administrative Region
of the People's Republic of China

**經「稅務易」報稅
盡享個人化網上稅務服務**

- ◆ 預填資料
- ◆ 延期提交報稅表
- ◆ 估計應繳薪俸稅稅款

以電子方式提交個別人士報稅表

This message is an acknowledgement of receipt of your e-mail.

Your e-mail will be forwarded to the responsible officer for processing/reply.

We pledge to give reply to enquiries as soon as possible and generally not later than 7 working days on simple matters and 21 working days on technical matters.

Please note that our online services are provided through the Internet under eTax at GovHK.

For details, please visit the following link:

www.gov.hk/etax

(The above message is generated by an auto-reply program)



Ethical Phishing Email Campaign 2022

From: "Adobe Cloud" <invitation@adobe-customer-care.com>
To: |
Date: Mon, 25 Apr 2022 12:08
Subject: You've been invited to use Adobe Cloud Creative.



Cloud Creative



You've been invited to use Adobe Cloud Creative.

Your administrator has given you access to Adobe Cloud Creative. After you accept this invitation, you will be able to start working with Adobe Cloud Creative desktop products - with team level benefits.

Accept Invitation

<https://adobcreativecloud.succesful.org/XUW5GSmJVUX>

From: "MS online services Team" <noreply@microsoft365-secure.net>
To: |
Date: Tue, 26 Apr 2022 17:07
Subject: Your account password has expired



Microsoft 365

Your account password has expired.

The following contains password security guidelines. Please note:

From: "恆生銀行 Hang Seng Bank" <e-alert@notifications.hangsangbank.com>
To: |
Date: Tue, 26 Apr 2022 12:09
Subject: 我們正在處理你的新增登記收款人指示 We are processing your instruction to add a registered payee Ref: [C2P915265]



恆生銀行 HANG SANG BANK

我們正在處理你的新增登記收款人指示
We are processing your instruction to add a registered payee

我們已收到並正在處理你的以下指示
We have received below instruction and working on it now

新增登記收款人 Add a registered payee

3720XXX118



Ethical Phishing Email Campaign 2022

From: "Adobe Cloud" <invitation@adobe-customer-care.com>
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Microsoft 365
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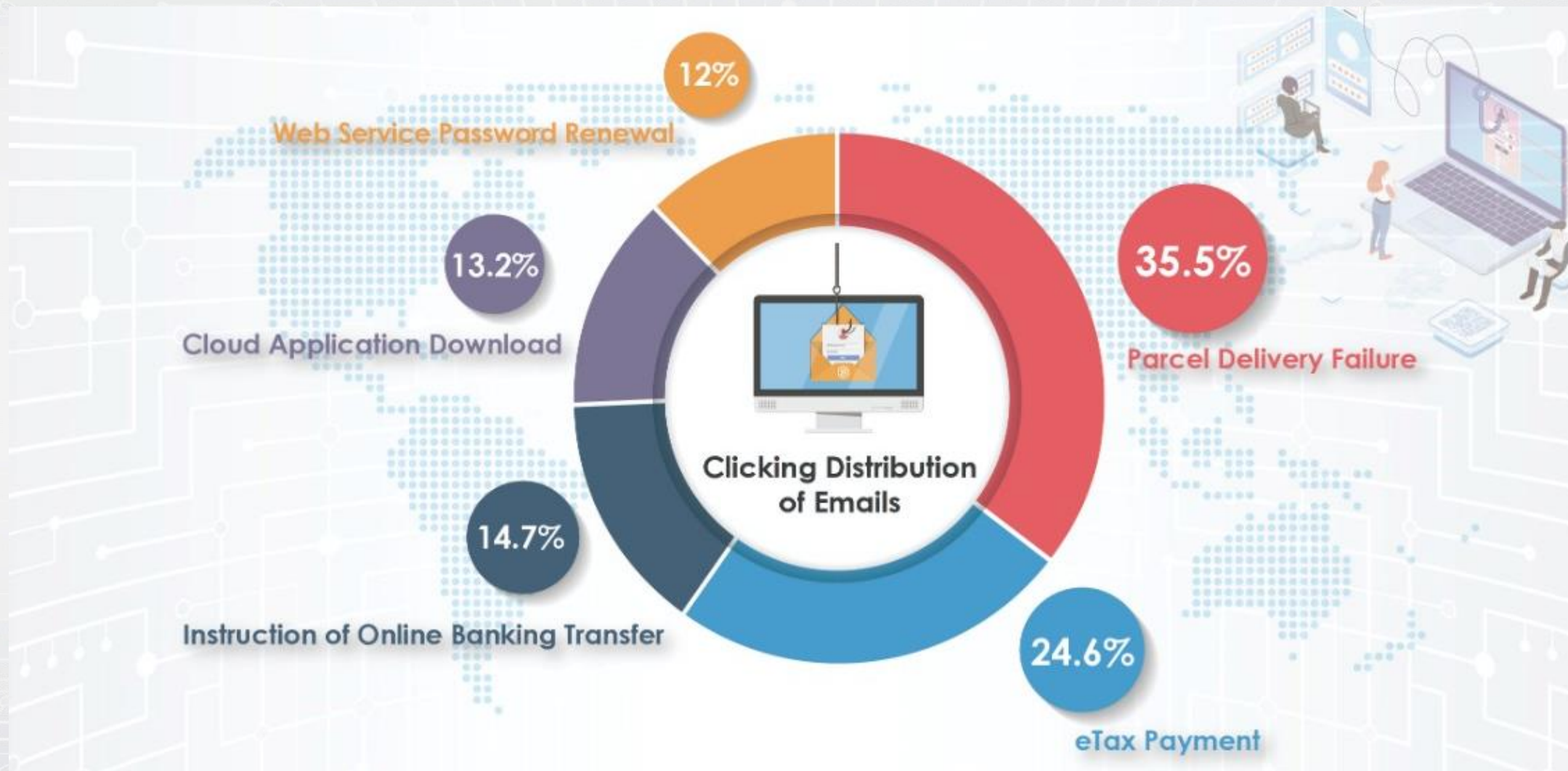
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3720XXX118



Ethical Phishing Email Campaign 2022



Ethical Phishing Email Campaign 2022

Individual Staff



35%

Clicked into embedded
phishing links

1% Clicked phishing links in all emails



Organization

79%

Had at least one employee
clicked into embedded
phishing links



Scam Prevention Tips

- Pay attention to the sender's email domain for abnormality
- Be mindful before clicking a link or scanning QR code
- Be cautious when receive transfer requests with unexpected changes
- Verify recipients identities by different means before transferring money to new accounts
- Disseminate messages & provide trainings to employees / business partners



<https://cyberdefender.hk/>



守網者





守網者 <https://cyberdefender.hk/>



疑似假網站 / 假電郵？
用「網絡釣魚詐騙搜尋器」check 下啦！

輸入網址 / 電郵地址

「網絡釣魚詐騙搜尋器」正式登場！





守網者

<https://cyberdefender.hk/>



網罪專題

網上購物騙案



你有試過在社交平台購物，付款後卻收不到貨品嗎？多數騙徒會用以下手法欺騙消費...



加密貨幣

於2008年，一位自稱中本聰(的人士在網絡上發表了一篇論文介紹一個點對點電子貨...



電子貨幣及流動支付

隨著流動科技及雲端運算技術日漸成熟，加上金融科技迅速發展，現在電子支付及流...



非同質化代幣(NFT)

NFT是新興另類虛擬資產投資，常見的NFT包括數碼圖像、影音、及短片等等，並透...



+852字頭的SMS有可疑？

本網進行過簡單測試，發現包括最新版本的蘋果iOS系統均會把不在通訊錄的本地發...



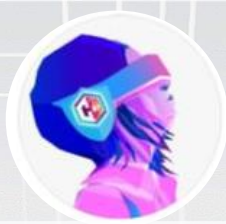
物聯網

物聯網就是通過互聯網把現實和虛擬世界的裝置及設備連接在一起，成為資訊社會裏...



元宇宙

元宇宙概念源自美國小說家尼爾·史蒂芬森於1992年出版的科幻小說《潰雪》，當中...



< CyberDefender 守網者

CyberDefender 守網者
Public and government service

Send Email

Hei and 23,184 others like this

CyberDefender 守網者
★ 最愛 · 5月13日 12:00 ·

【彈票黨2.0 賣家慘過「清零」？】

近日警方接獲多宗「進階彈票黨」騙案，四名賣家在網上平台分別出售智能電話、手錶和手袋，遇上騙徒假扮買家不單以空頭支票付款，更於交收時以「銀碼寫大咗」或「重複入票」等幌子，騙去貨物之餘更哄騙對方把「多收」的貨款退還。賣方數日後知悉支票未能兌現始知受騙，可謂「輸凸」。

當中牽涉最大損失案件是一名34歲男子於網上以\$8萬多元放售名貴手錶，與騙徒相約地鐵站交收。騙徒以支票銀碼錯寫成\$138,000為名，手錶到手後再誘騙男子把多付的\$5萬元退回。男子其後驚覺「彈票」，蒙受損失近14萬元。

小編建議個人賣家盡量避免接受支票付款。如以轉賬方式收款，應留意「可用餘額」有否增加，切勿單憑「入數紙」和「戶口結餘」等視為成功轉帳。

想知更多：
https://cyberdefender.hk/online_shopping_fraud/

#彈票黨
#空頭支票
#可用餘額
#守網者
#CyberDefenderHK



CyberDefender 守網者
11 May ·

【！網購騙案：新加坡又如何？】

⚠️ 高危貨品排行榜 (11/5 更新) ⚠️

- 1 手袋
- 2 榴槤
- 3 鞋
- 4 枕頭
- 5 手錶
- 6 龍蝦
- 7 手機
- 8 演唱會門票
- 9 椰子水
- 10 風筒

(✅ 排行榜逢週三更新 ✅)

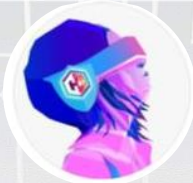
🔍 最近一星期新「伏店」名單，曾否與你擦身而過？

- 1 新鮮快購
- 2 電子數碼特惠店
- 3 勝記海產肉類&專送
- 4 三上優質食品專門店
- 5 MY R Global 時尚百貨
- 6 純甄優選
- 7 Bibe shop
- 8 Rome International&分類商





CyberDefender 守網者



125 Posts 892 Followers 30 Following

CyberDefender 守網者

Education website

提供網絡安全資訊、緊貼黑客動向，助你網上抗疫。

追蹤了解更多 #CyberDefenderHK

cyberdefender.hk/

See Translation

Followed by loloulss, chapmantang and 3 others

Following

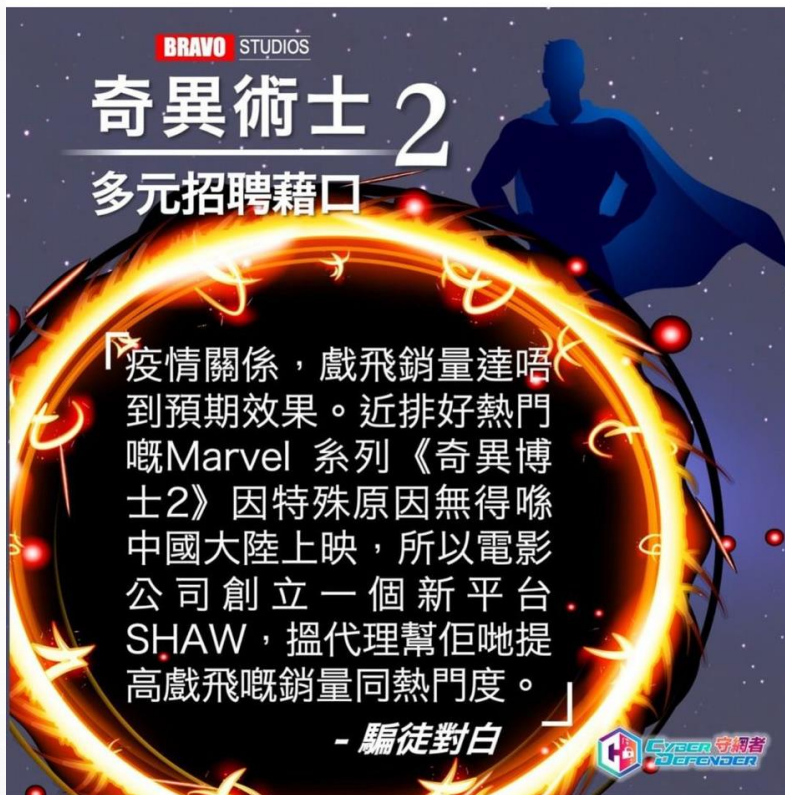
Message



CYBERDEFENDER.HK
Posts



cyberdefender.hk



cyberdefender.hk



568 likes

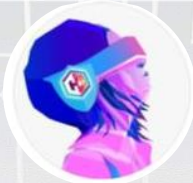
cyberdefender.hk 【Mirror演唱會飛 只剩少量】

如有興趣請 PM 訂金\$800至\$1280，未能成功訂票者將全數退訂。





CyberDefender 守網者



YouTube HK

搜尋



登入

- 主頁
- 探索
- Shorts
- 訂閱項目
- 媒體庫
- 記錄

登入即可對影片表示喜歡、留言並訂閱。

登入

YOUTUBE 精選

- 音樂
- 體育
- 遊戲
- 電影
- 新聞
- 直播
- 時尚美容
- 360 度影片

瀏覽頻道

更多 YOUTUBE 功能

- YouTube Premium
- 直播



CyberDefender 守網者

1.06K 位訂閱者

訂閱

- 主頁
- 影片
- 播放清單
- 社群
- 頻道
- 關於



【何廣沛提提你：網上購物騙案 - 小心假專頁】

收看次數：78,825 次 · 1 個月前

半價？限量？唔買就走寶？
網購唔知真定假，俾錢前應 Fact Check 下！
希望大家唔好好似沛姨咁墮入「網購騙案」
做個精明嘅消費者！
專頁騙案好流行，網上購物要留神！

如何辨別可疑商戶？即上：...
睇續更多

上載影片 ▶ 全部播放



「可疑電郵偵測系統」
(V@nguard)的應用簡介

收看次數：85 次 · 1 個月前



防患未然『網』我做起：可疑
電郵偵測系統(V@nguard)

收看次數：54 次 · 1 個月前



【何廣沛提提你：網上購物騙
案 - 小心假專頁】

收看次數：78K 次 · 1 個月前



【岑珈其提提你：投資騙案 老
是常出現】

收看次數：121K 次 · 2 個月前



【岑珈其提提你：刷單賺錢快
小心求職騙案】

收看次數：94K 次 · 2 個月前



【林曉峰提提你：網購前 先
Fact Check】

收看次數：112 次 · 2 個月前

網絡安全及科技罪案調查科 CYBER SECURITY AND TECHNOLOGY CRIME BUREAU



<https://cyberdefender.hk/>



守網者



Questions and Answers

Thank you!

