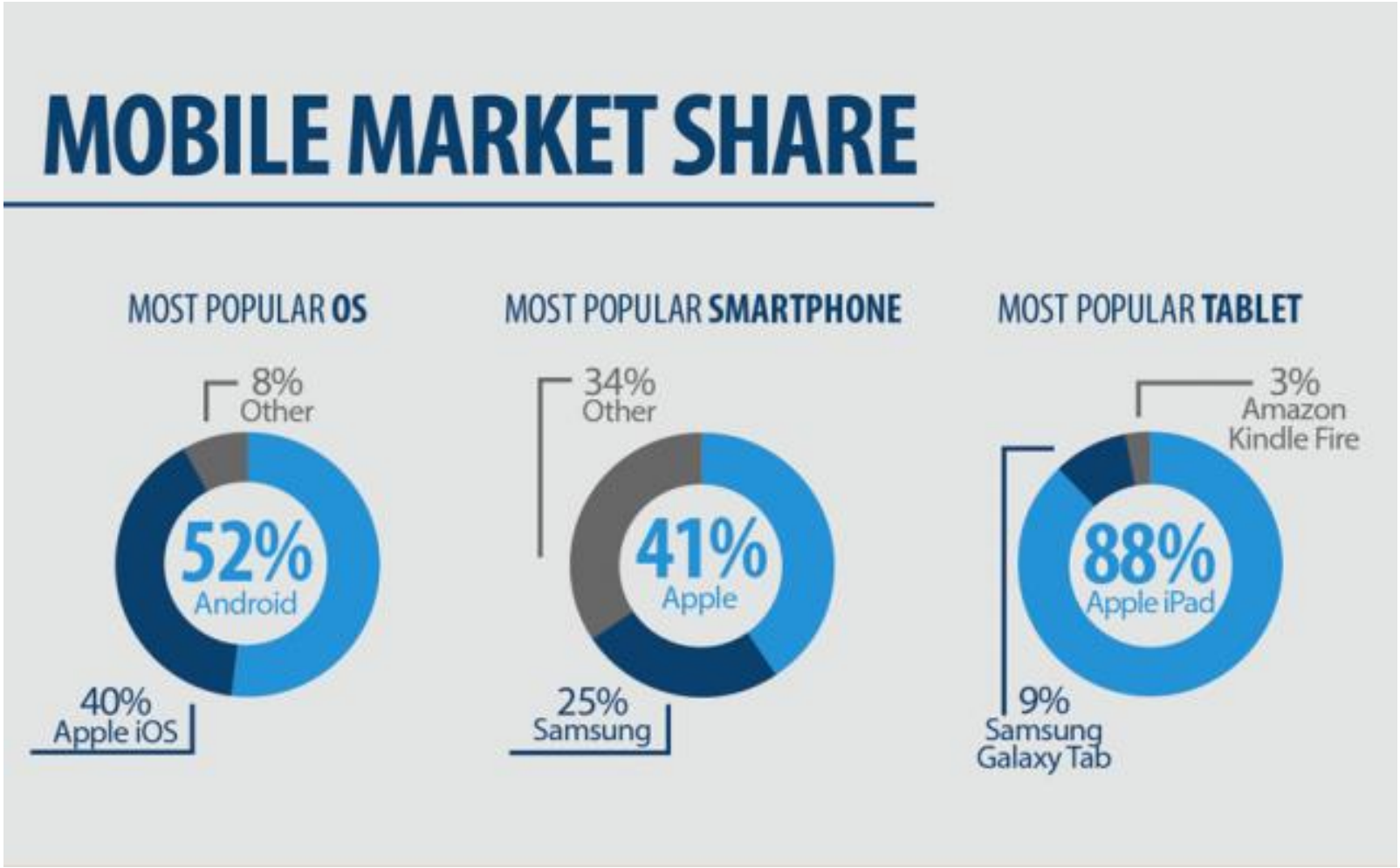
MOBILE SECURITY STARTS FROM ME

流動資訊保安由我做起

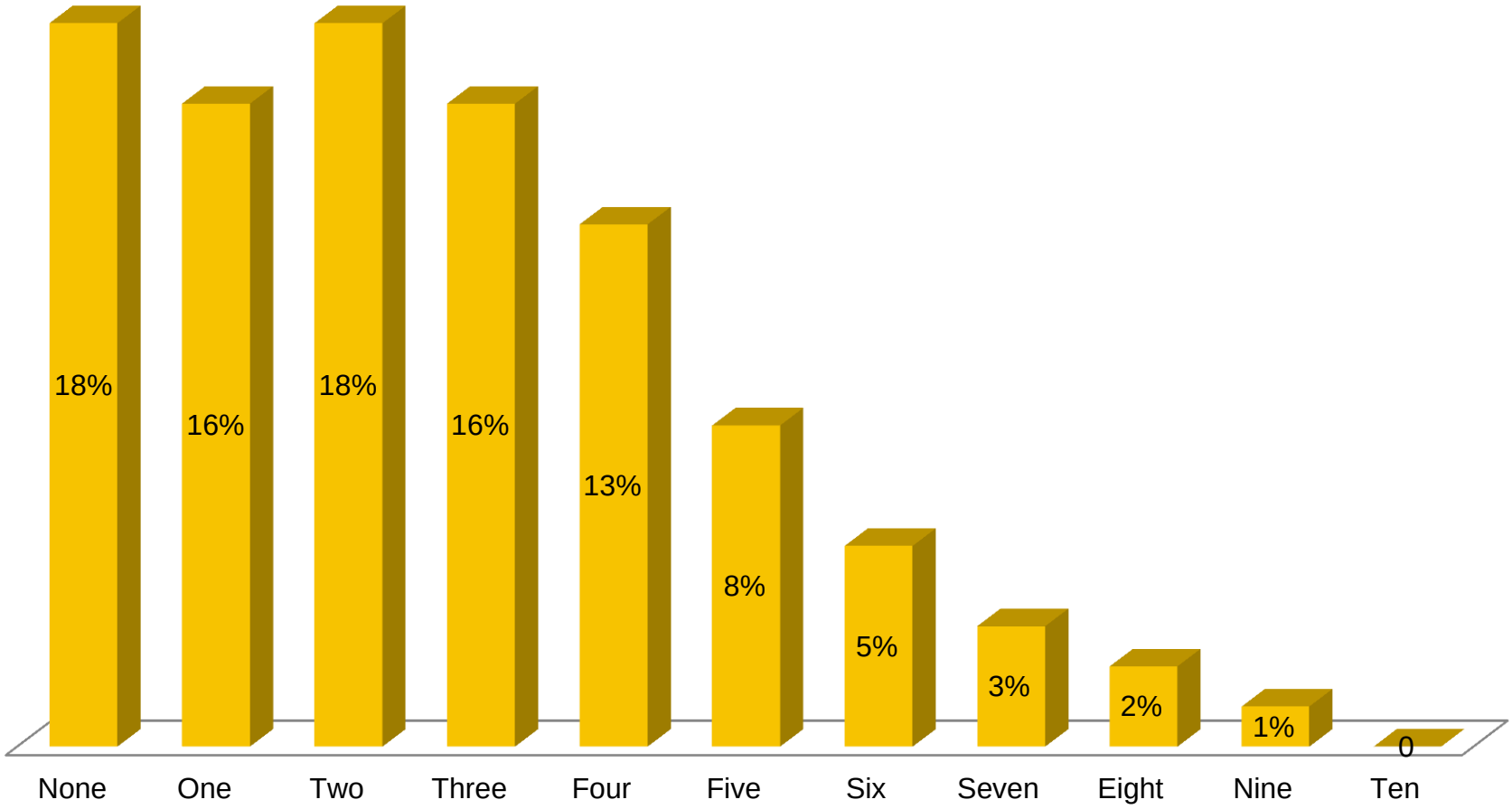
RICKY CHEUNG

DEVICES



Source http://www.consumerbarometer.com/en/, Search Engine Journal

NUMBER OF MOBILE DEVICES (HONG KONG)

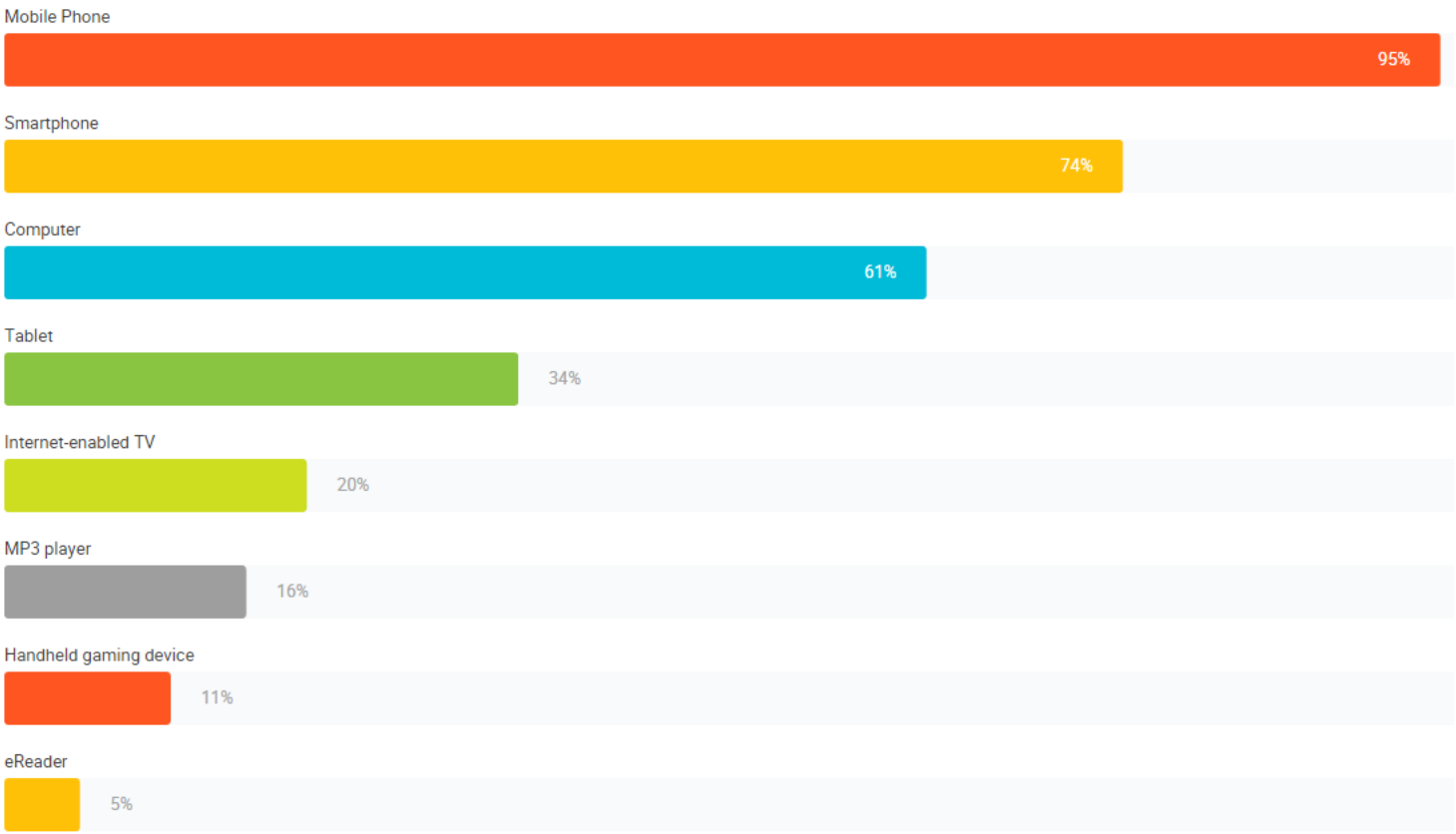


Source http://www.consumerbarometer.com/en/

18000+ TAXI

超勁!

WHICH DEVICES DO PEOPLE USE?



Source http://www.consumerbarometer.com/en/

資訊保安- INFORMATION SECURITY

Contacts

Calendar

Video

Photos

Email

Map

Music

Watch

Banking

Instant messaging

Social network

Web browsing

Online shopping

Healthcare Info

Game

Data at rest

SLEEPY?

iOS users:

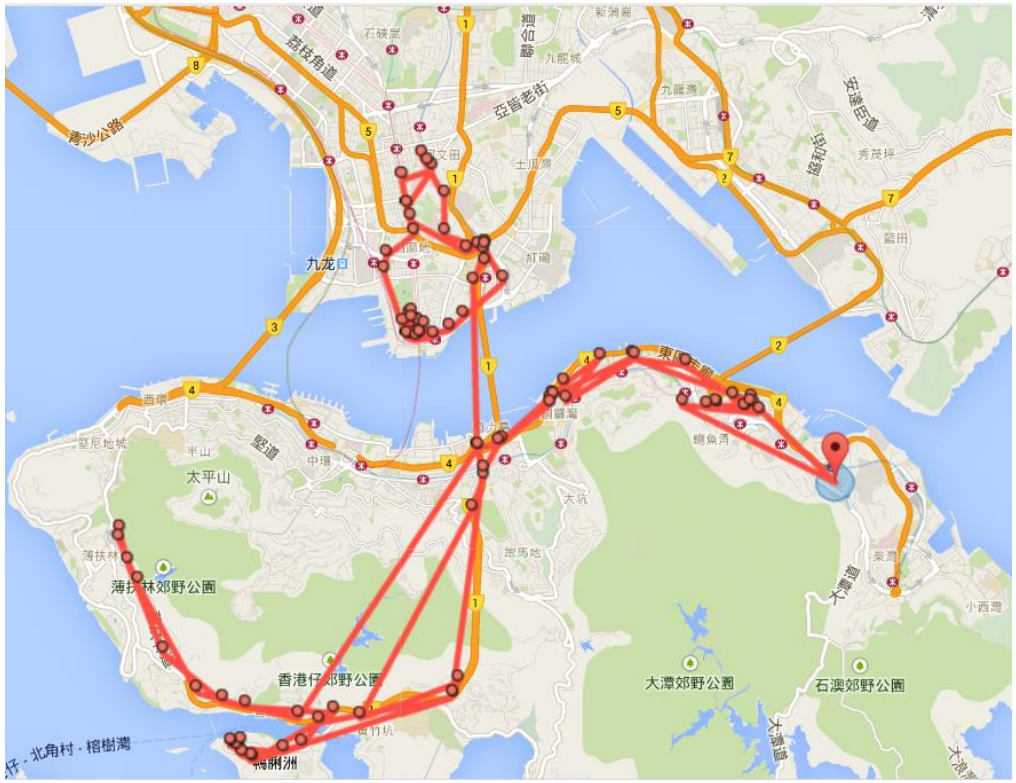
Settings → Privacy → Loca
→ Frequent Locations

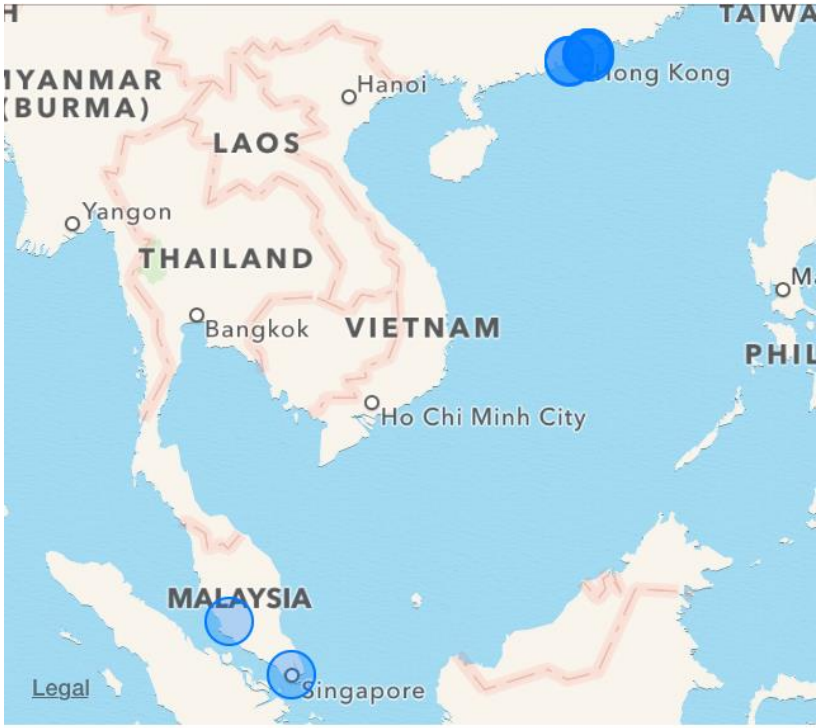
設定 →私隱 →定位服務 → 系

Android users:

https://maps.google.com/lo

???? OR !!!!!





Kuala Lumpur
4 visits recorded since 7 October, 2014

Tai Po Road - Sha Tin
3 visits recorded since 5 October, 2014

Havelock Road
3 visits recorded since 8 October, 2014

Avenida Dr. Sun Yat-Sen
2 visits recorded since 25 October, 2014

On Chiu Street
2 visits recorded since 24 October, 2014

GRANDMA AND GRANDSON

Forgot passcode

Change passcode

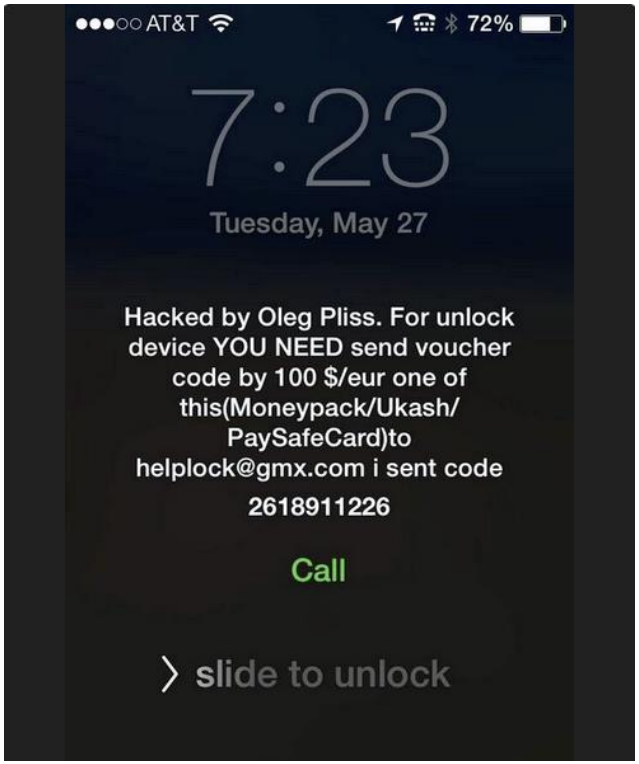
setup a passcode (4 digit code)

ICLOUD / GOOGLE FIND MY PHONE

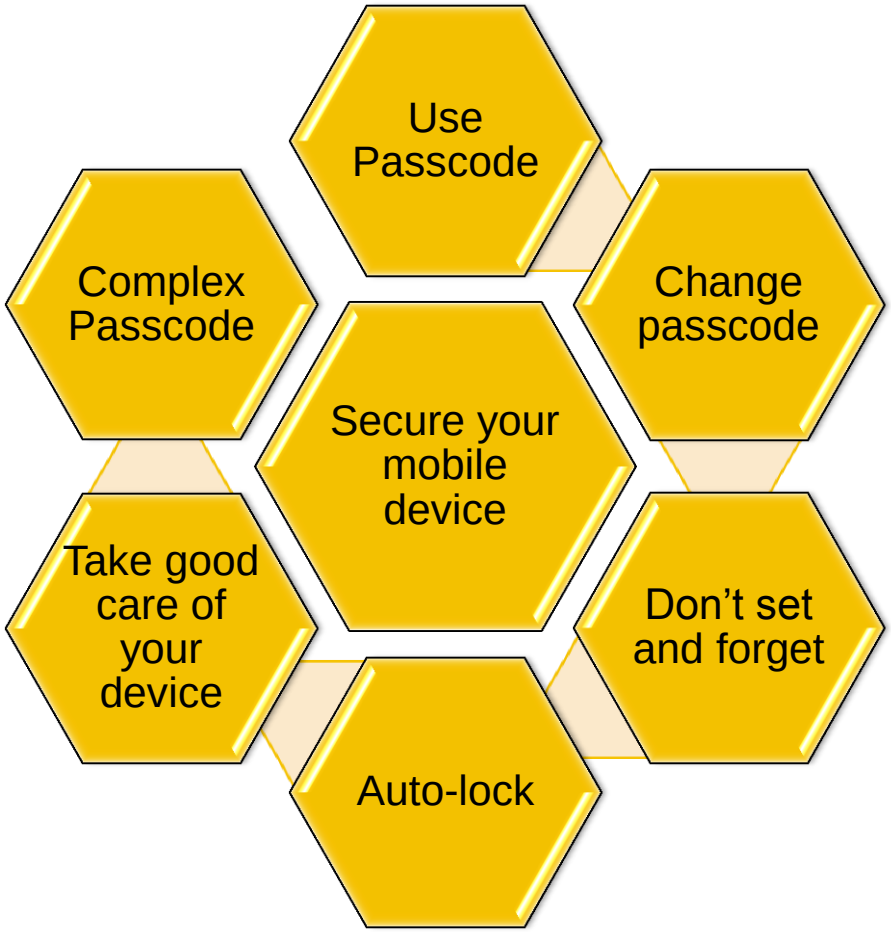
Ransom-ware

Lock your phone and ask for money

Take advantage of weak password in the icloud / Android find my phone



LESSONS LEARNED



Coca-Cola

MY SON

80%

Owns a Smartphone

MY SC

Apple

Apple
Community

Like Message Share

The Apple Store, also known as
Retail Store, is a chain of retail s
and operated by Apple Inc.,
Join Us For More Information.

More Information

340K
likes

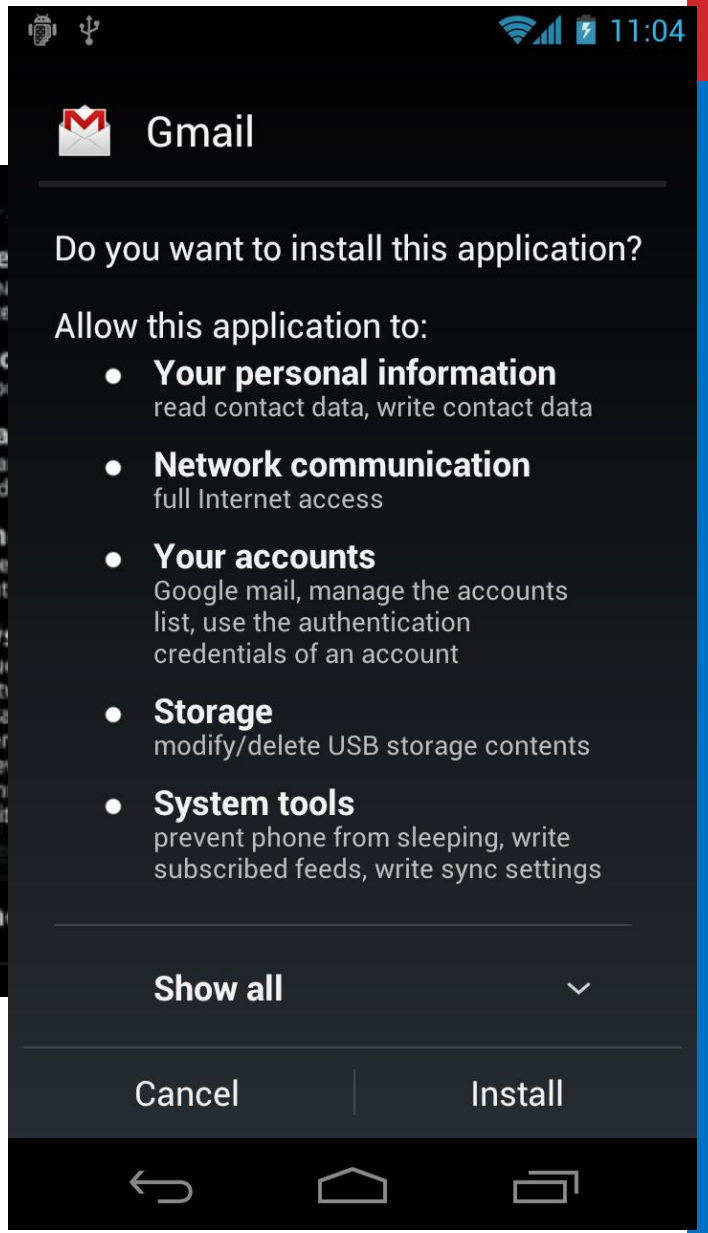
Invite Friends to Like This Page

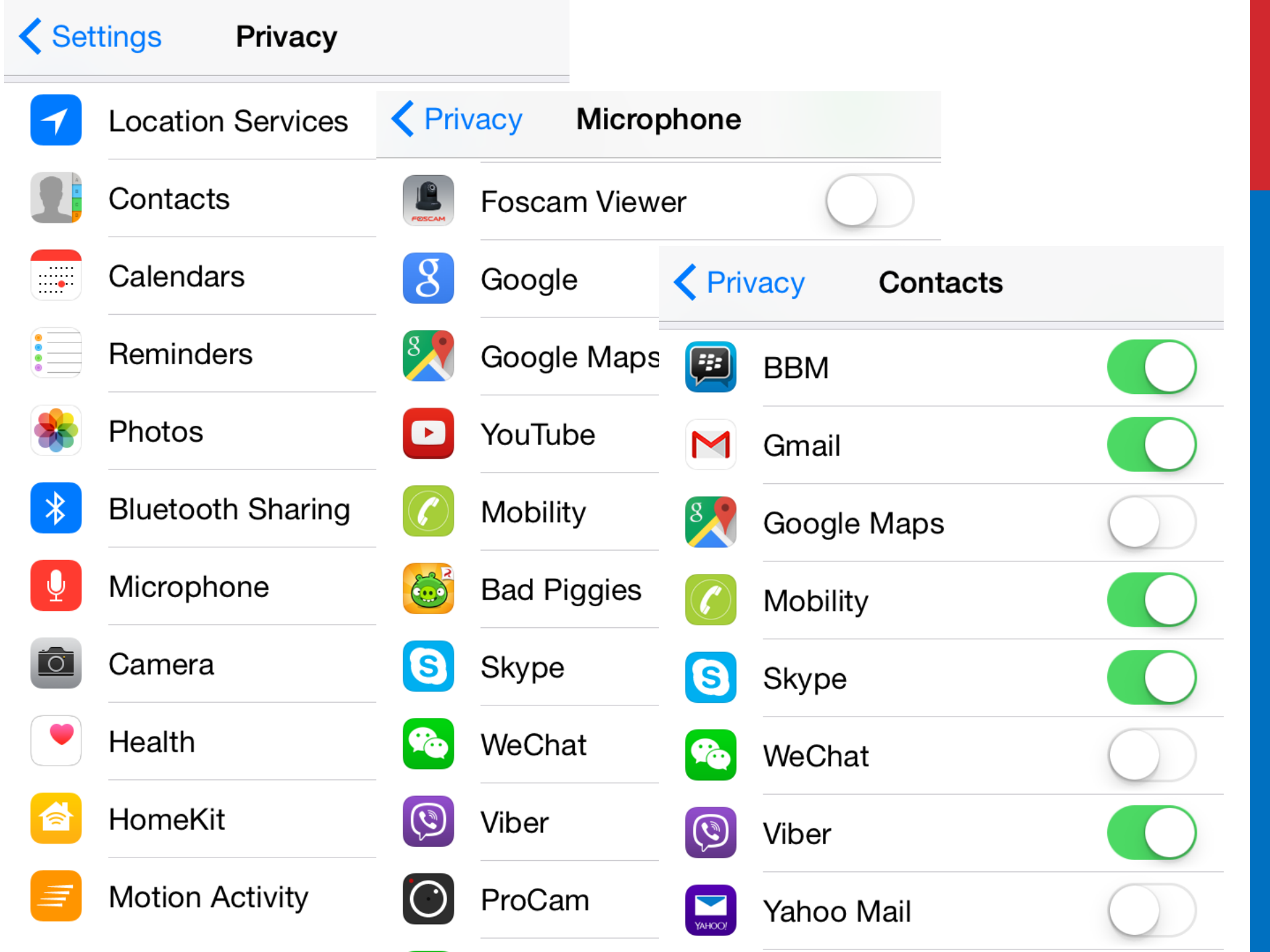
News Feed Requests Messenger Notifi

Apple
Wednesday at 20:30 ·

We are giving 50 Iphones on
July 25 ,
50 Lucky Winners Will Be Announced
On July 21.
Step 1) Like this post.
Step 2) Comment which color you
want… Continue Reading

APPLICATION PERMISSIONS




Settings
Privacy
Location Services
Contacts
Calendars
Reminders
Photos
Bluetooth Sharing
Microphone
Camera
Health
HomeKit
Motion Activity
Privacy
Microphone
Foscam Viewer
Google
Google Maps
YouTube
Mobility
Bad Piggies
Skype
WeChat
Viber
ProCam
Privacy
Contacts
BBM
Gmail
Google Maps
Mobility
Skype
WeChat
Viber
Yahoo Mail

SMS / IM / FACEBOOK / QR CODE / NFC

Verify the authenticity of the message or the code / the NFC

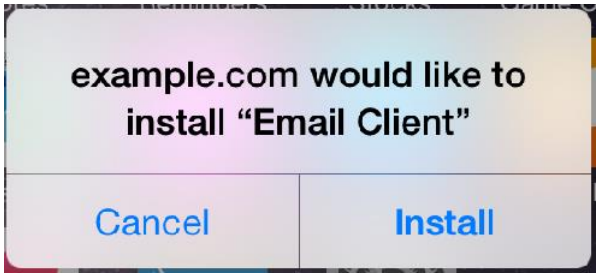
Especially when money is involved

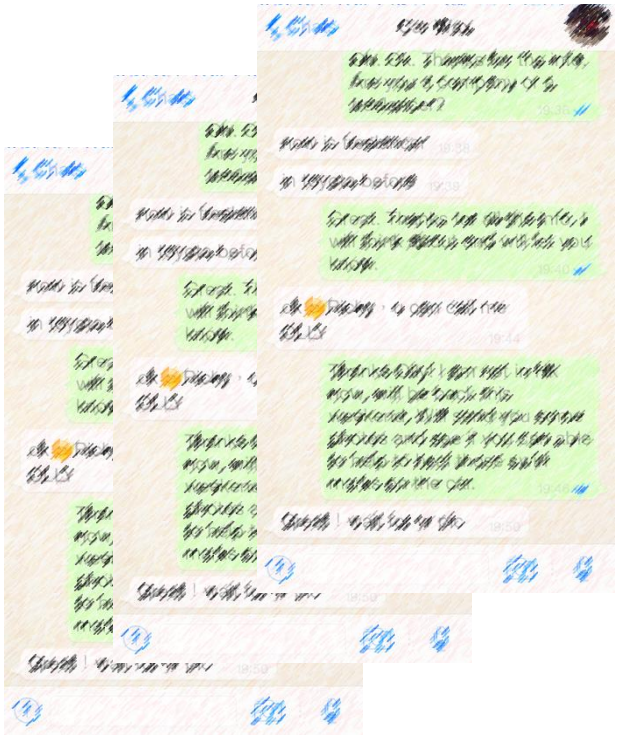
Ways to infect malware

Win $500,000
Enter Lucky draw at
http://i.am.hacker.server

MASQUE ATTACK - IOS

Free iPhone 6 for you.
Enter Lucky draw at
http://hacker.server/installapp

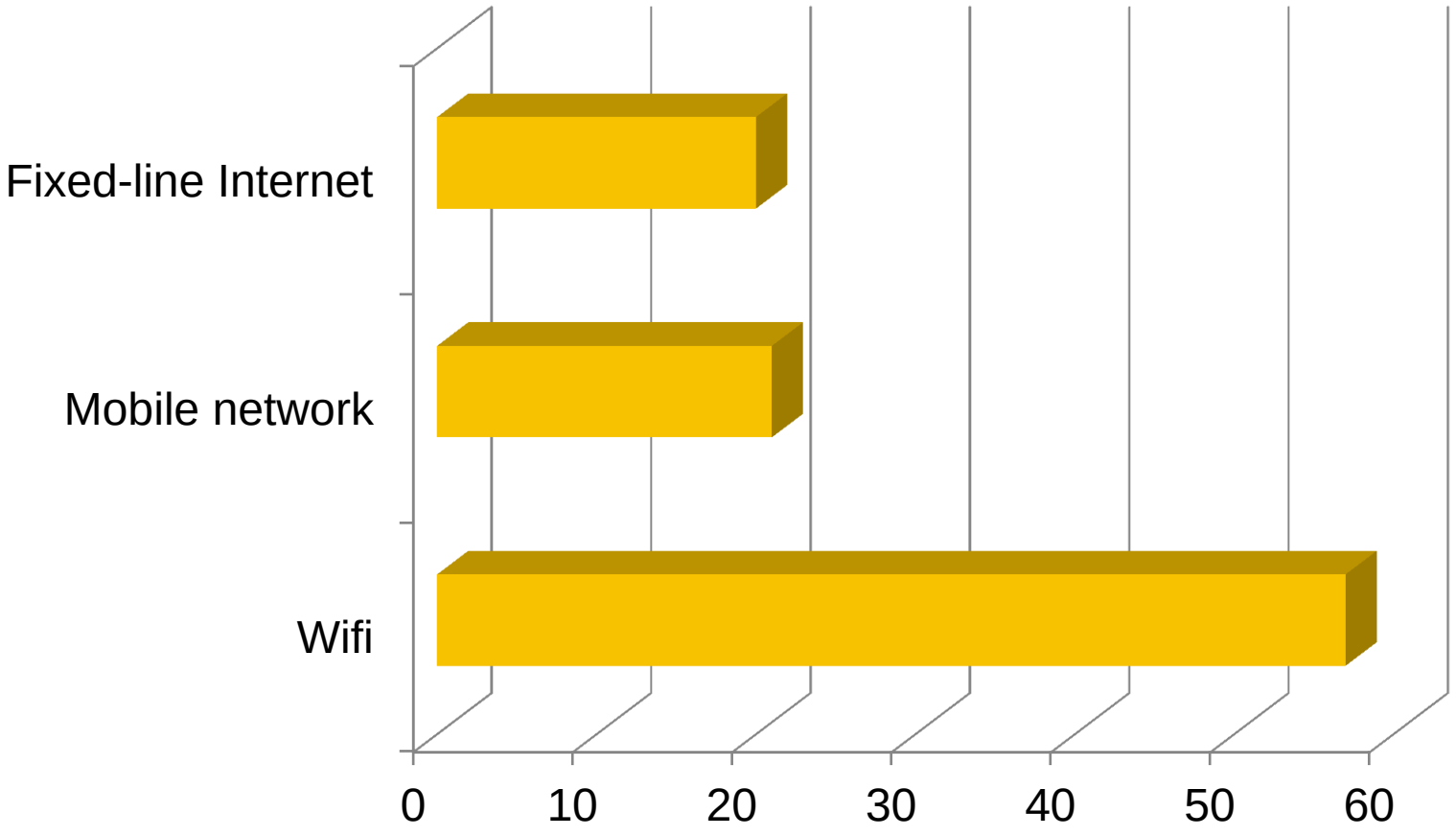




LESSONS LEARNED

https://www.hkcert.org/play-store-srr

ALWAYS CONNECTED, HOW?

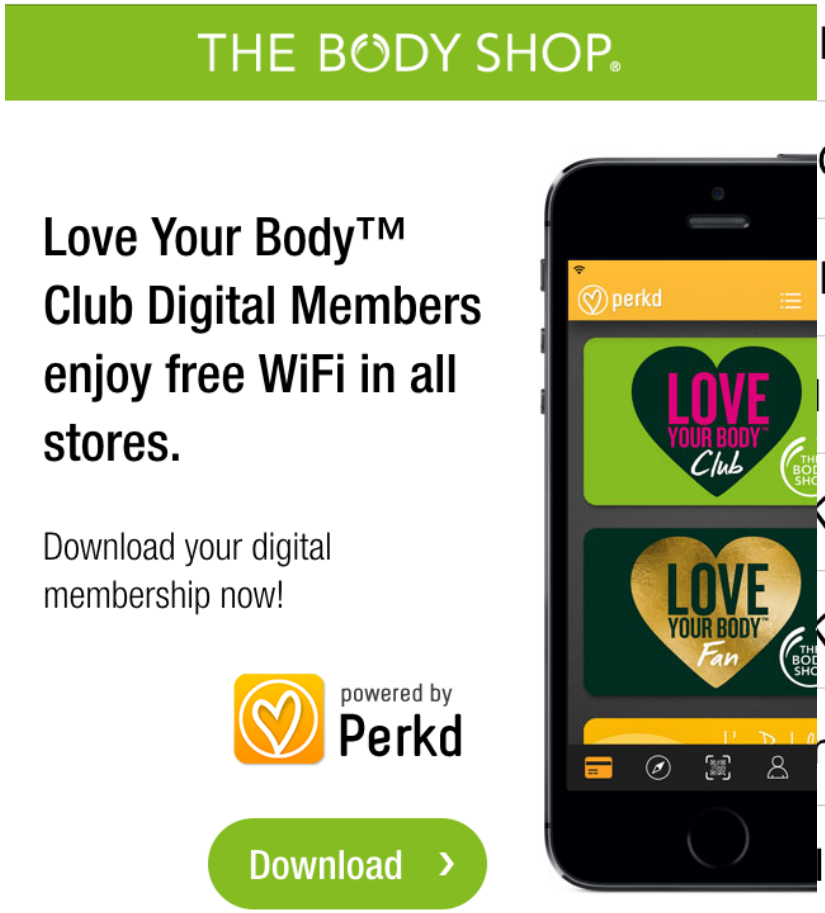


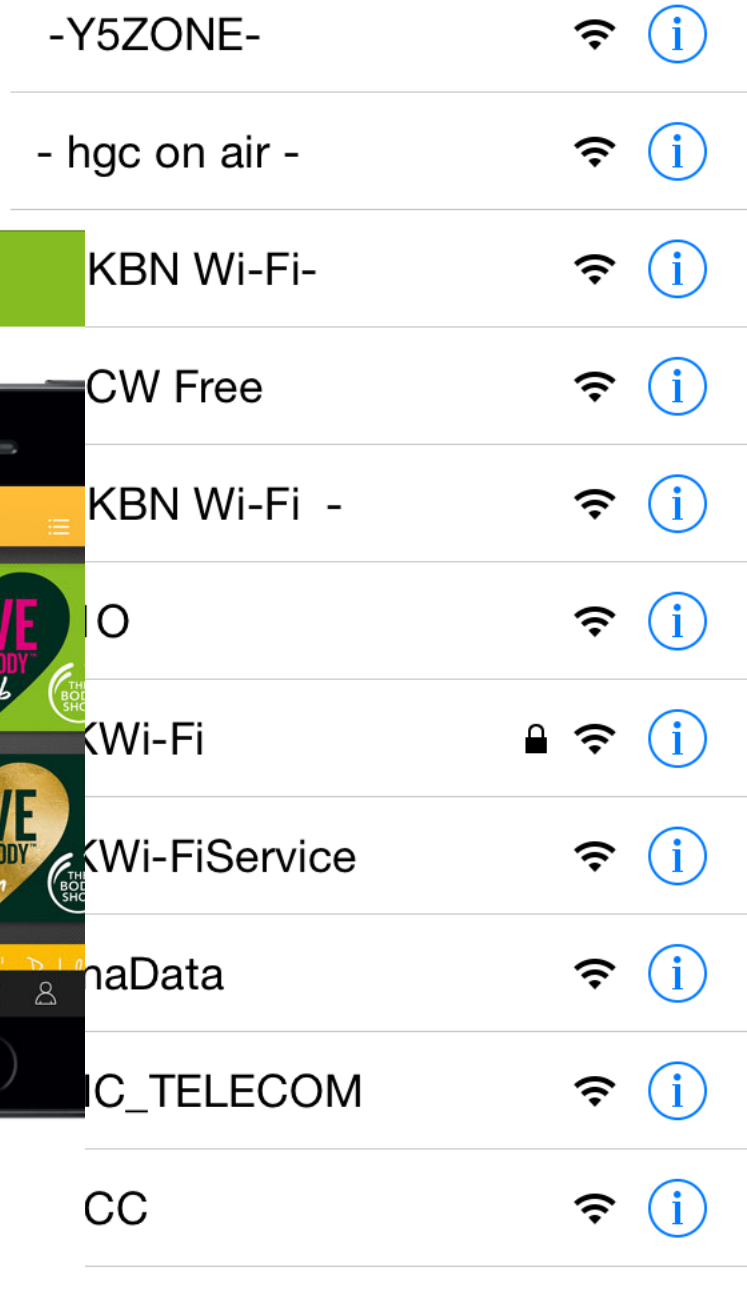
Source http://www.consumerbarometer.com/en/

HOTSPOT - WIFI

Fake SSID?

Trusted?

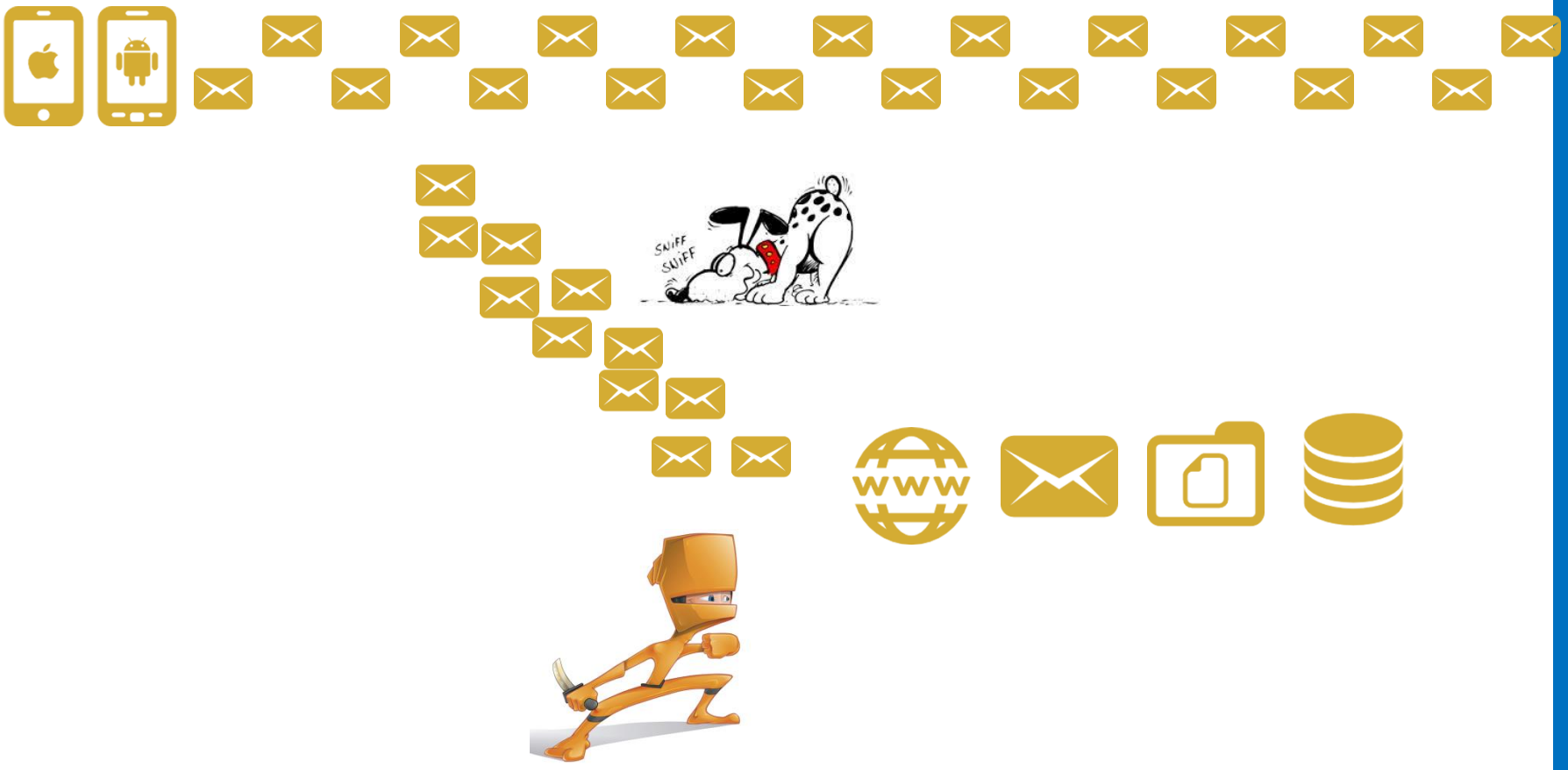




GOV WIFI

www.gov.hk/wifi
Free 免費
WiFi
GovWiFi
香港政府WiFi通
Hotline
支援熱線 186111
SSIDs 網路名稱
Encrypted Connection
加 密 連 接 freegovwifi-e
user name
使用者名稱 govwifi
password
密 碼 govwifi
Unencrypted Connection
非 加 密 連 接 freegovwifi
政府資訊科技總監辦公室
Office of the Government Chief Information Officer

RISKS OF USING A OPEN / ROGUE WIFI



BYOD

Bring Your Own Device (BYOD)

Employee bring their devices for work

More efficient and

May be cost savings

BUT

CORPORATE DATA

Contacts

Calendar

Video

Photos

Email

Map

Music

Watch

Banking

Instant messaging

Social network

Web browsing

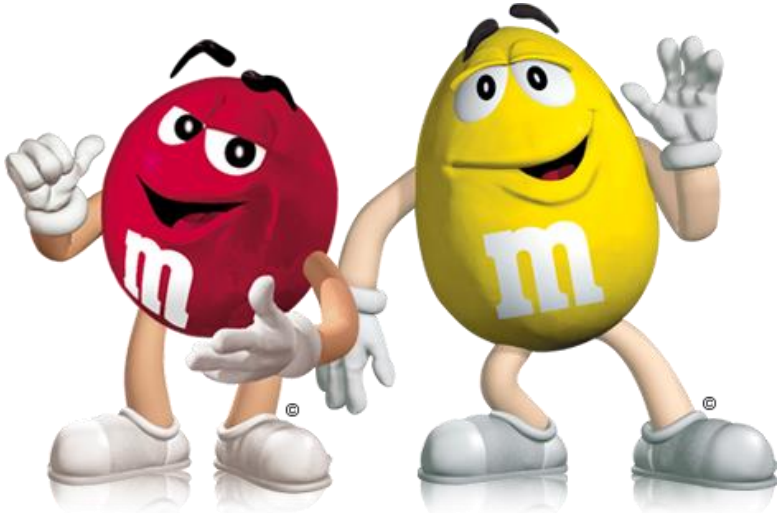
Online shopping

Healthcare Info

Game

Data at rest

ENTERPRISE MOBILITY MANAGEMENT (EMM)



MDM (Mobile Device Management)

- Manage device – location tracking / remote wipe / enable data encryption / VPN connection

MAM (Mobile Application Management)

- Secure Application Delivery – Enterprise AppStore

MSM (Mobile Service Management)

- Manage mobile services – data usage / performance

PREVENTION IS BETTER THAN CURE

Do casual browsing when using Wii-Fi

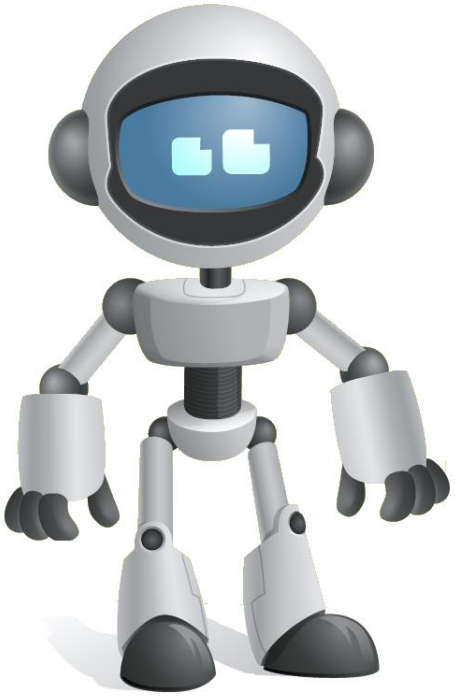
Secure your connection with VPN (Virtual Private Network) or

Use application with End-to-end encryption

Deploy EMM solutions

- Containerized Personal and Corporate data
- Secure corporate data with encryption

Corporate Cloud storage



THANK YOU

Update your devices only didn’t help.

UPDATE AND UPGRADE YOURSELF

殷勤籌劃的足致豐裕，行事急躁的都必缺乏。

箴言21:5