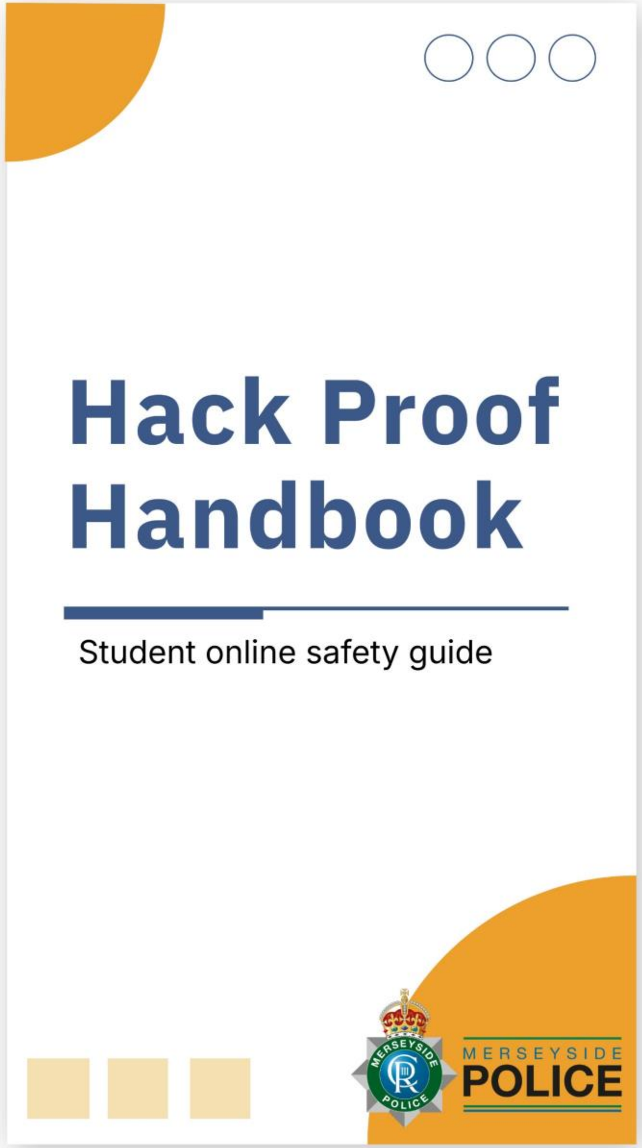
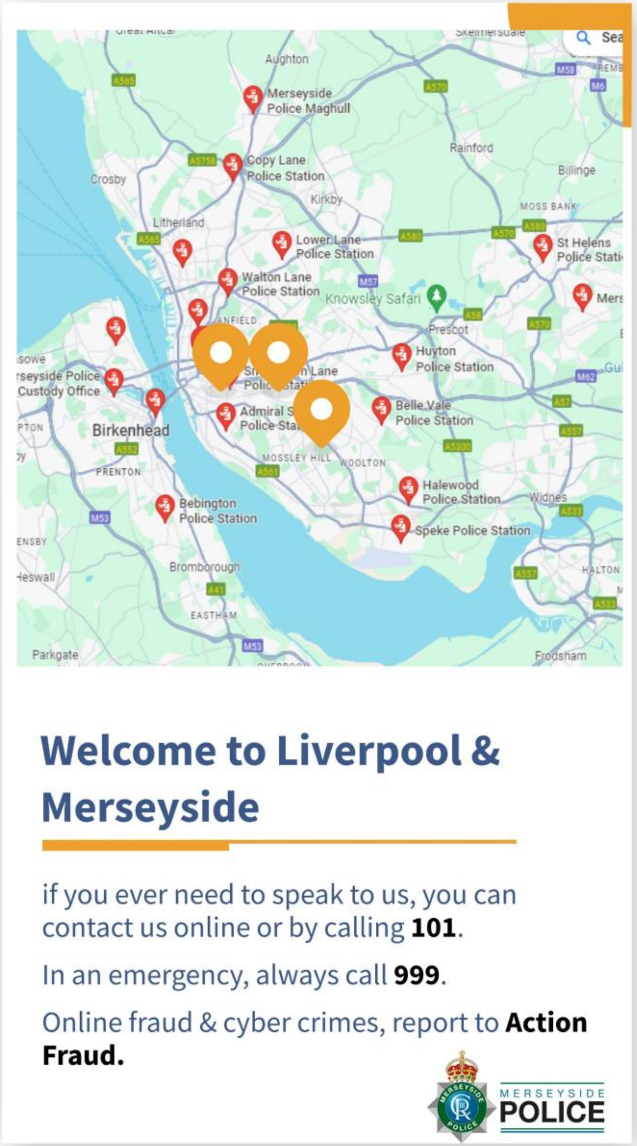


Hack Proof Handbook

Student online safety guide

MERSEYSIDE POLICE



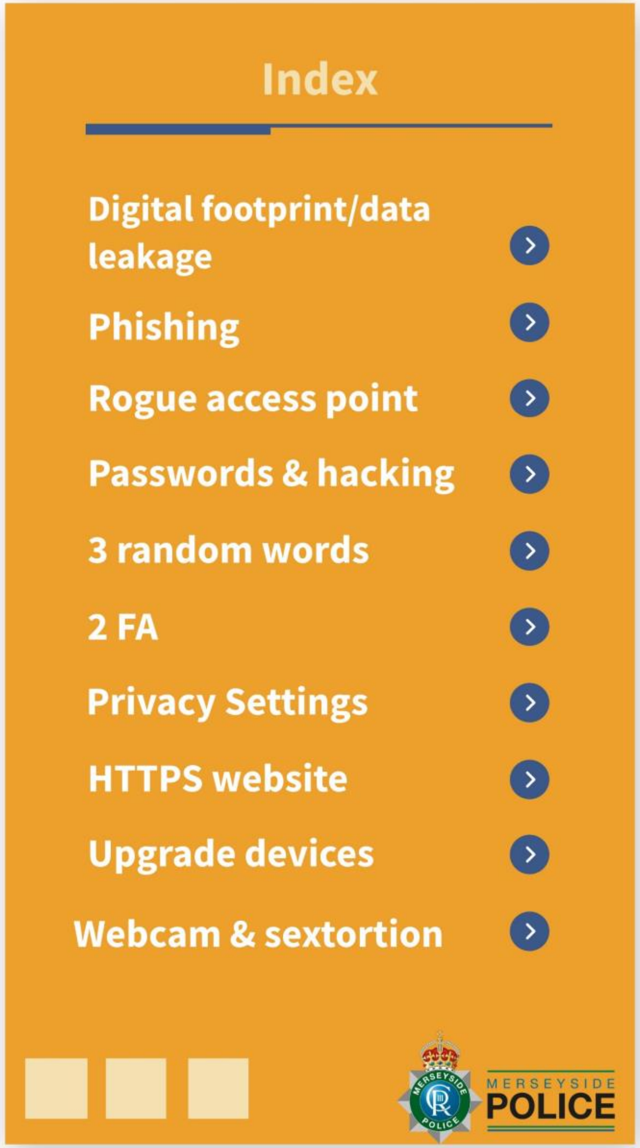
Welcome to Liverpool & Merseyside

if you ever need to speak to us, you can contact us online or by calling **101**.

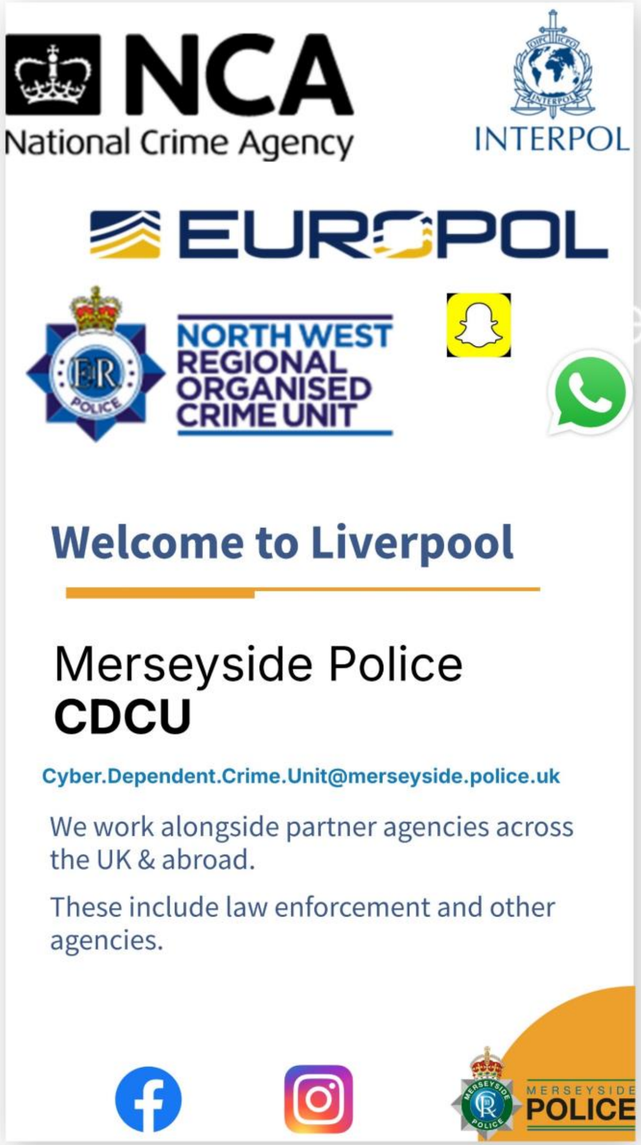
In an emergency, always call **999**.

Online fraud & cyber crimes, report to **Action Fraud.**

MERSEYSIDE POLICE



Index



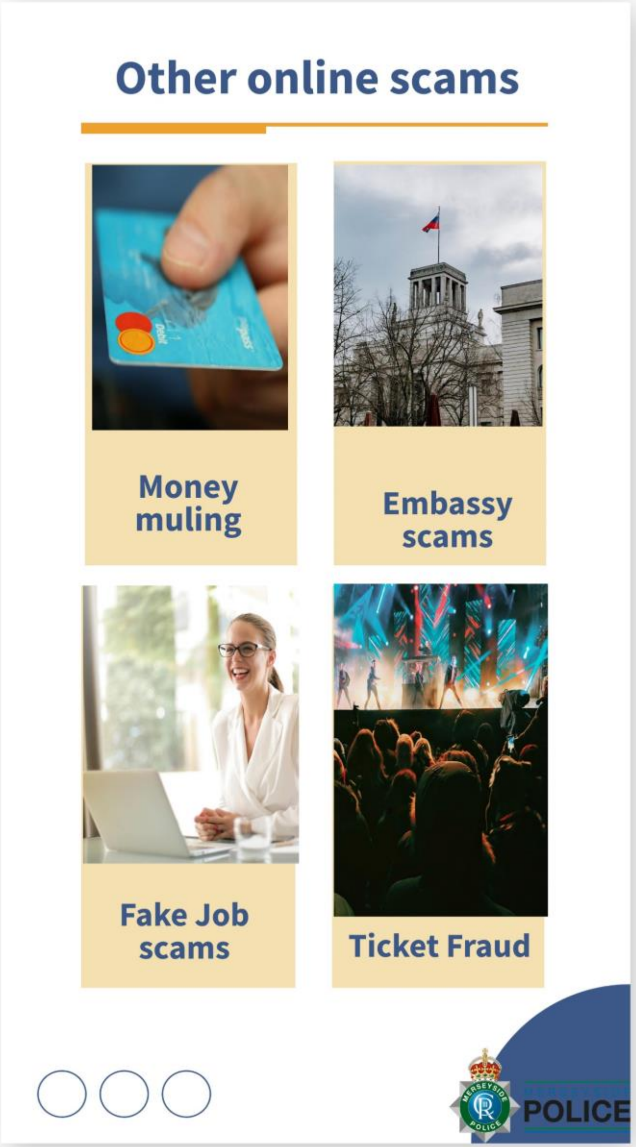
Welcome to Liverpool

Merseyside Police
CDCU

Cyber.Dependent.Crime.Unit@merseyside.police.uk

We work alongside partner agencies across the UK & abroad.

These include law enforcement and other agencies.



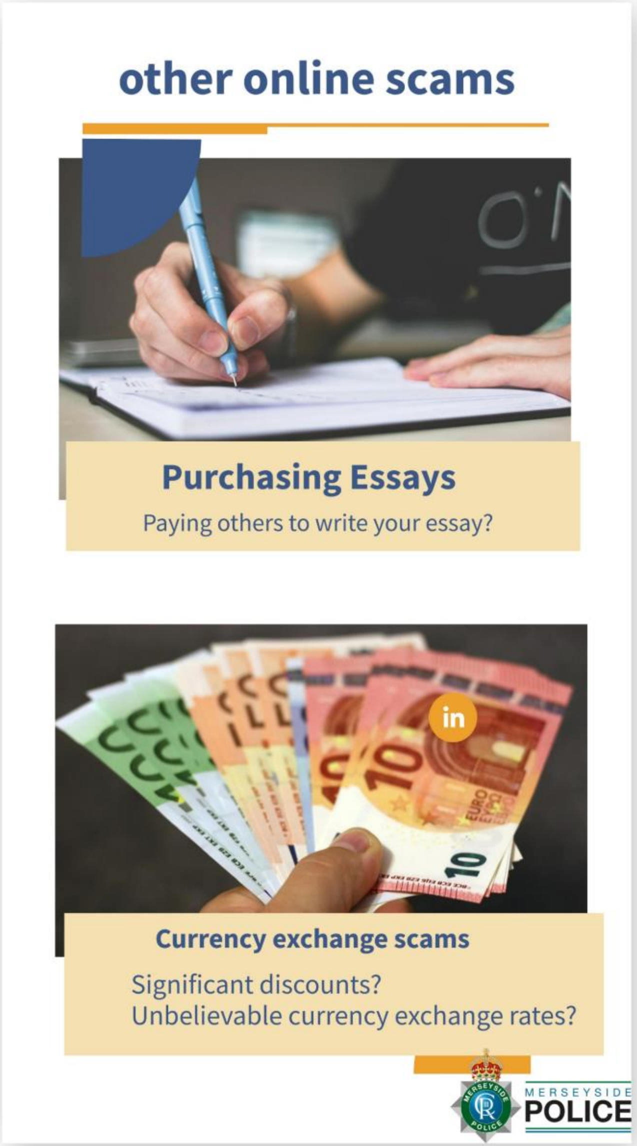
Other online scams

Money muling

Embassy scams

Fake Job scams

Ticket Fraud



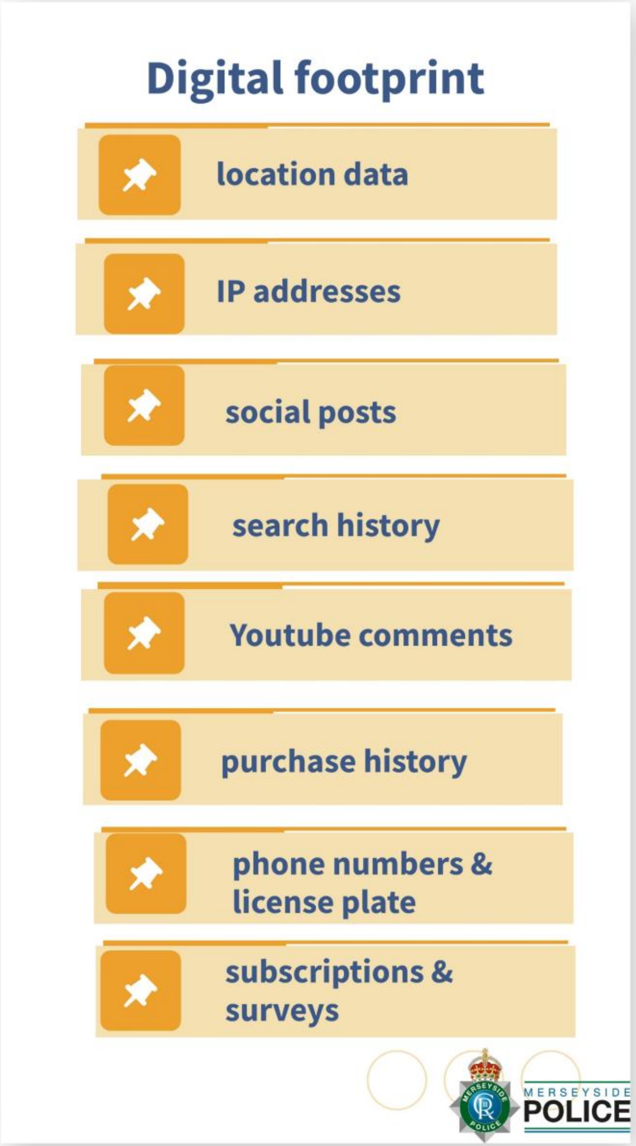
other online scams

Purchasing Essays

Paying others to write your essay?

Currency exchange scams

Significant discounts?
Unbelievable currency exchange rates?



Digital footprint

- location data
- IP addresses
- social posts
- search history
- Youtube comments
- purchase history
- phone numbers & license plate
- subscriptions & surveys

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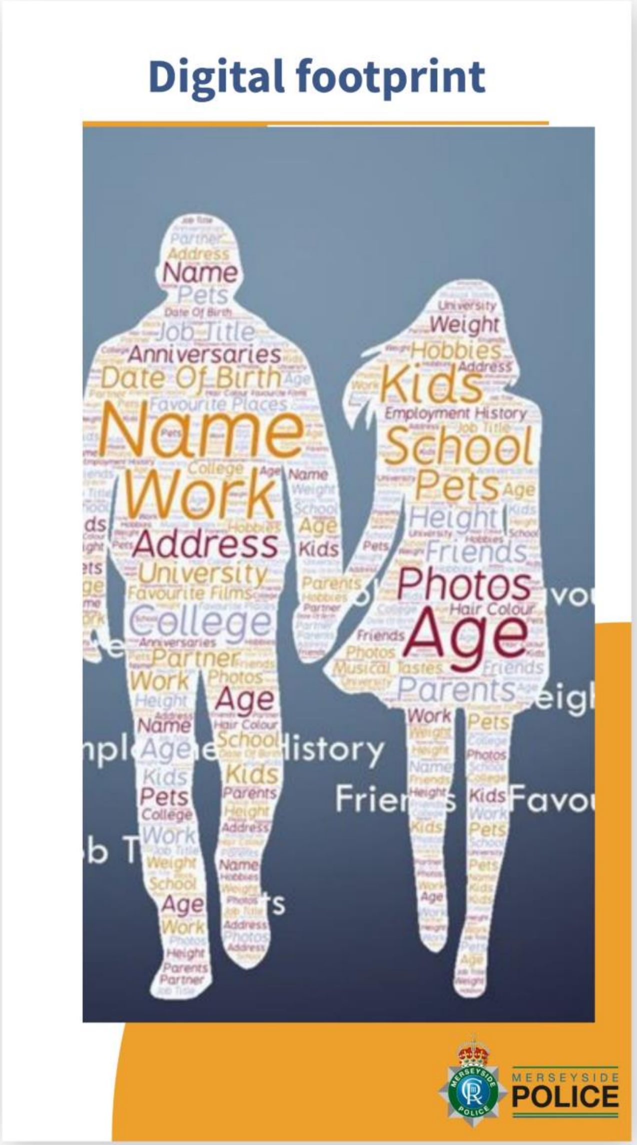

Digital footprint

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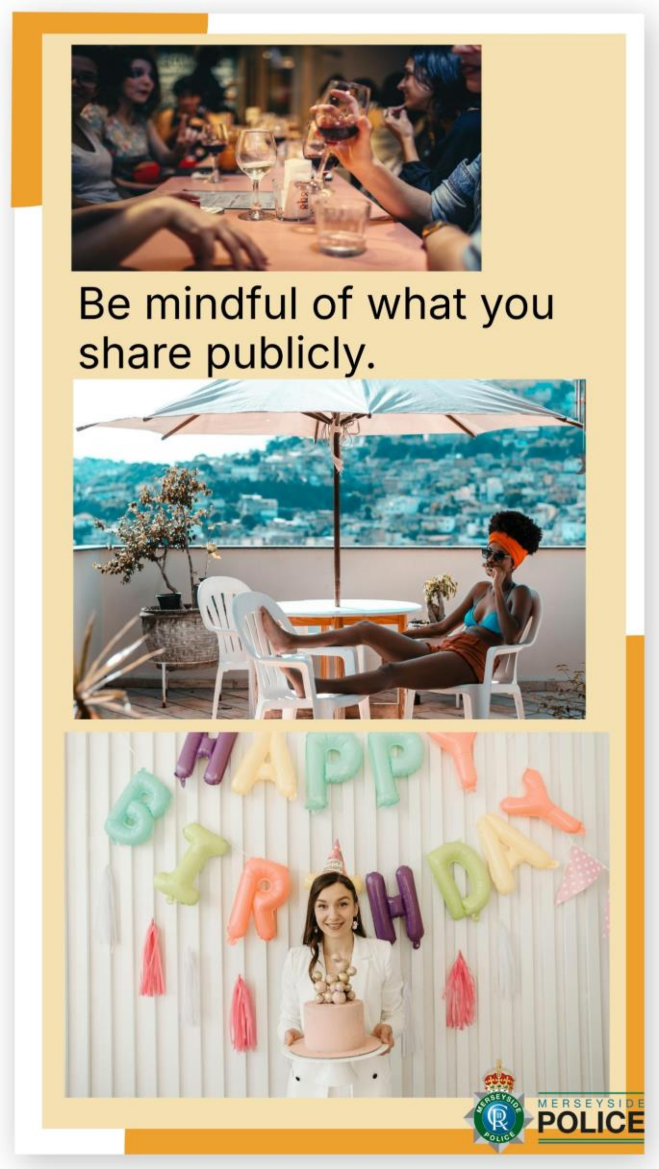
Turning off location tracking

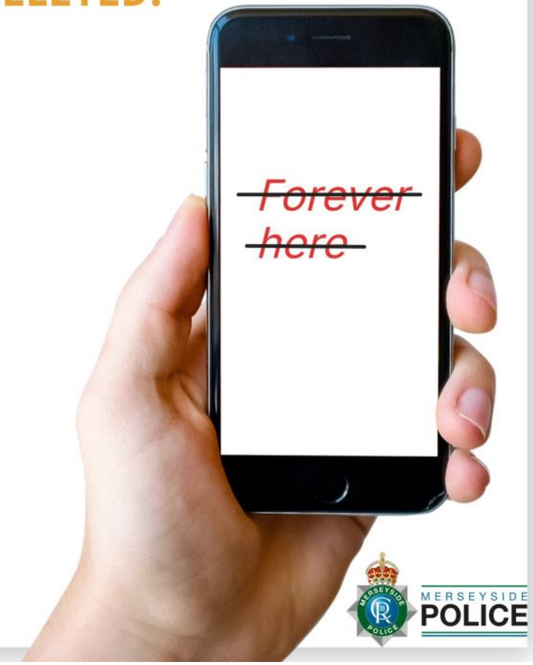
- Device: iphone, adroid.
- Socail media and apps: facebook, Find my friend, instagram, snapchat, twitter, linkedin, etc.
- Fitness trackers and smart watches.



Be mindful of what you share publicly.

Be Careful What You Share

Once something is posted, it is there FOREVER... Even if you think it is DELETED!



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Phishing emails

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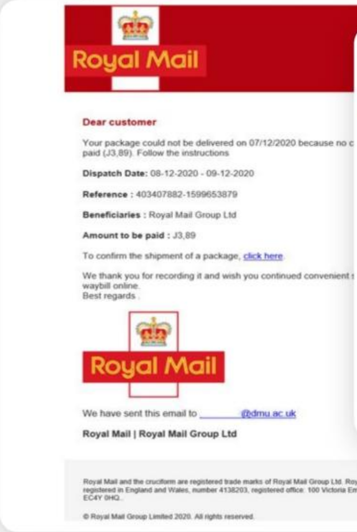
- Poor **spelling** and **grammar**
- Poor **design** and **quality**
- Is it addressed to you by name or **" valued customer"**
- Does the email have a **sense of urgency**
- If it sounds **too good to be true** it probably is !
- **Never click on a link** in an email until you have verified it !



Royal Mail

Dear customer

Your package could not be delivered on 07/12/2020 because no c
paid (J3,89). Follow the instructions

Dispatch Date: 08-12-2020 - 09-12-2020

Reference : 403407882-1599653879

Beneficiaries : Royal Mail Group Ltd

Amount to be paid : J3,89

To confirm the shipment of a package, click here.

We thank you for recording it and wish you continued convenient s
waybill online.
Best regards .

Royal Mail

We have sent this email to ________@dmu.ac.uk

Royal Mail | Royal Mail Group Ltd

Royal Mail and the cruciform are registered trade marks of Royal Mail Group Ltd. Royal Mail Group Ltd, registered in England and Wales, number 4138203, registered office: 100 Victoria Embankment, London, EC4Y 0HQ.

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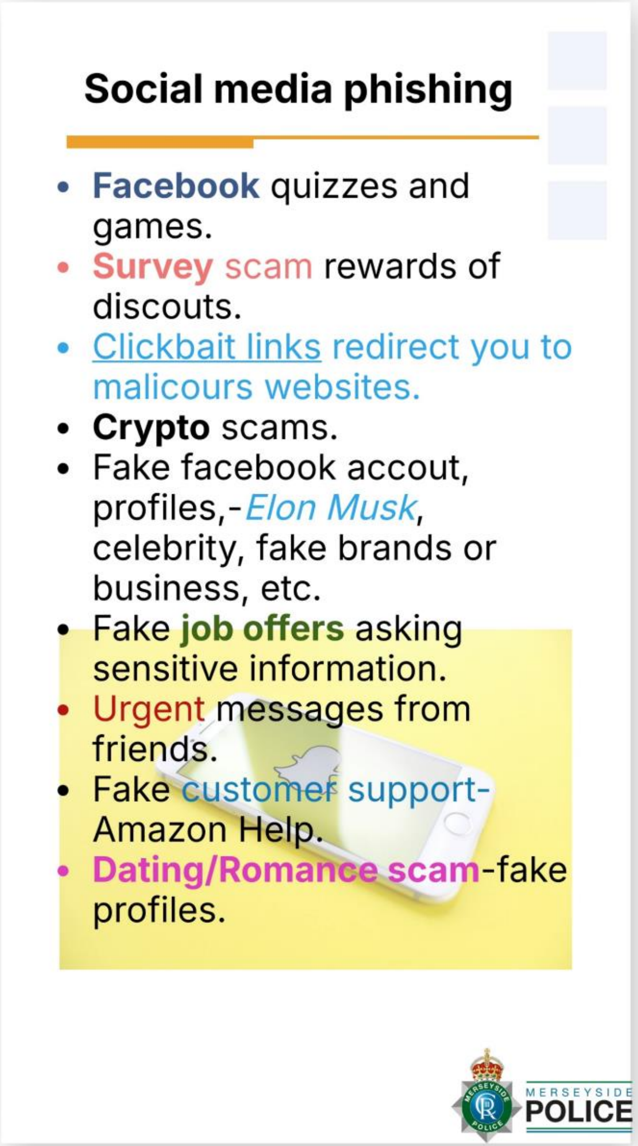
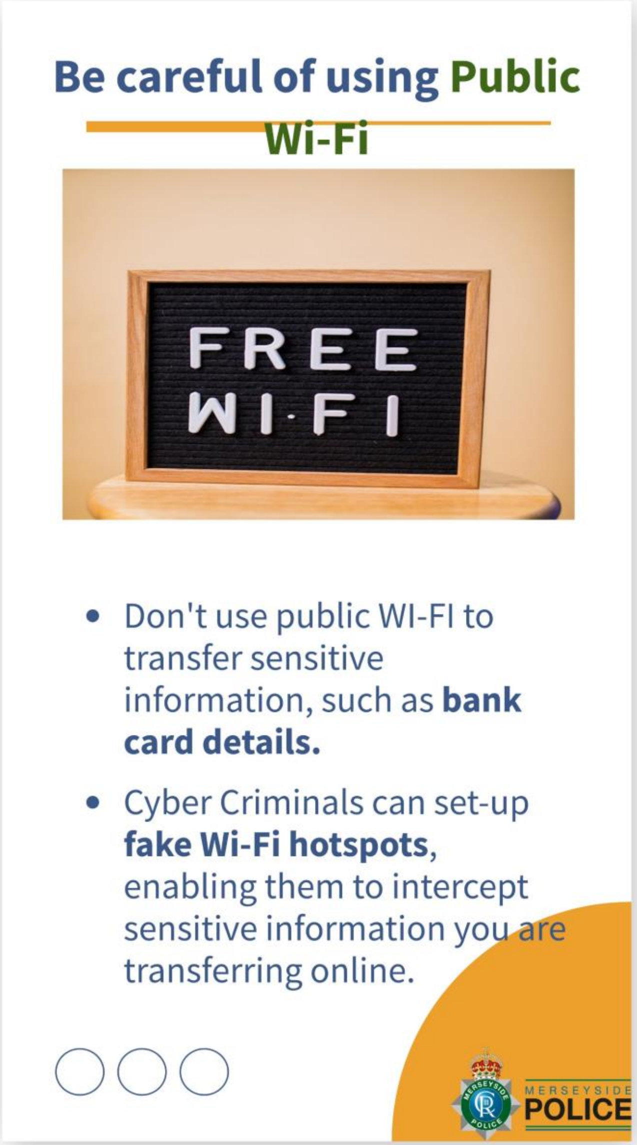
Check your email here...

You can use **haveibeenpwned.com** to check if your email address has been involved in a data breach.



Social media phishing

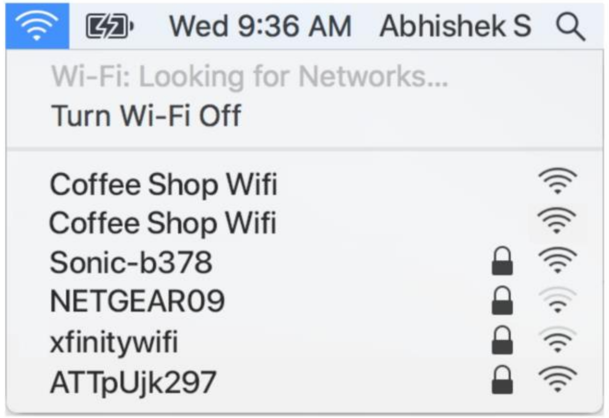
- **Facebook** quizzes and games.
- **Survey** scam rewards of discouts.
- Clickbait links redirect you to malicours websites.
- **Crypto** scams.
- Fake facebook accout, profiles,-*Elon Musk*, celebrity, fake brands or business, etc.
- Fake **job offers** asking sensitive information.
- Urgent messages from friends.
- Fake customer support-Amazon Help.
- **Dating/Romance scam**-fake profiles.



Be careful of using Public Wi-Fi

- Don't use public WI-FI to transfer sensitive information, such as **bank card details.**
- Cyber Criminals can set-up **fake Wi-Fi hotspots**, enabling them to intercept sensitive information you are transferring online.

Rogue access point



Wed 9:36 AM Abhishek S

Wi-Fi: Looking for Networks...

Turn Wi-Fi Off

Coffee Shop Wifi

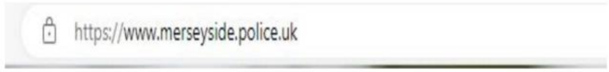
Coffee Shop Wifi

Sonic-b378

NETGEAR09

xfinitywifi

ATTpUjk297



https://www.merseyside.police.uk

If you have to use Public Wi-Fi

- Check the **Wi-Fi** matches the premises-not ones looking similar .
- Check the website asking you personal detail-it starts with "**https**" (rather than http) and a lock incon.

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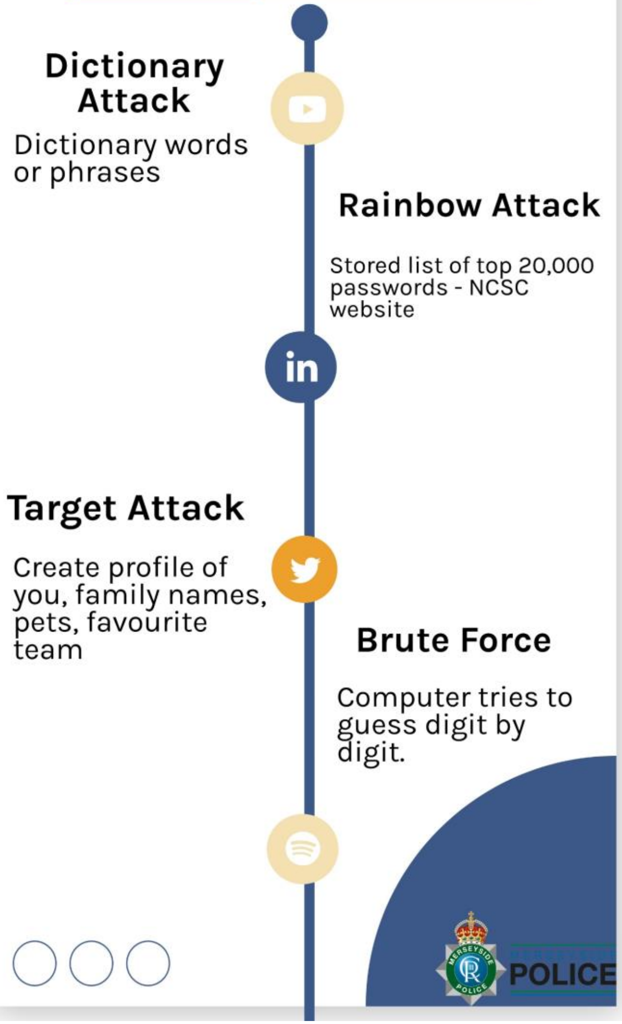
Passwords Hacks



Dictionary Attack

Dictionary words or phrases

Rainbow Attack

Stored list of top 20,000 passwords - NCSC website

Target Attack

Create profile of you, family names, pets, favourite team

Brute Force

Computer tries to guess digit by digit.

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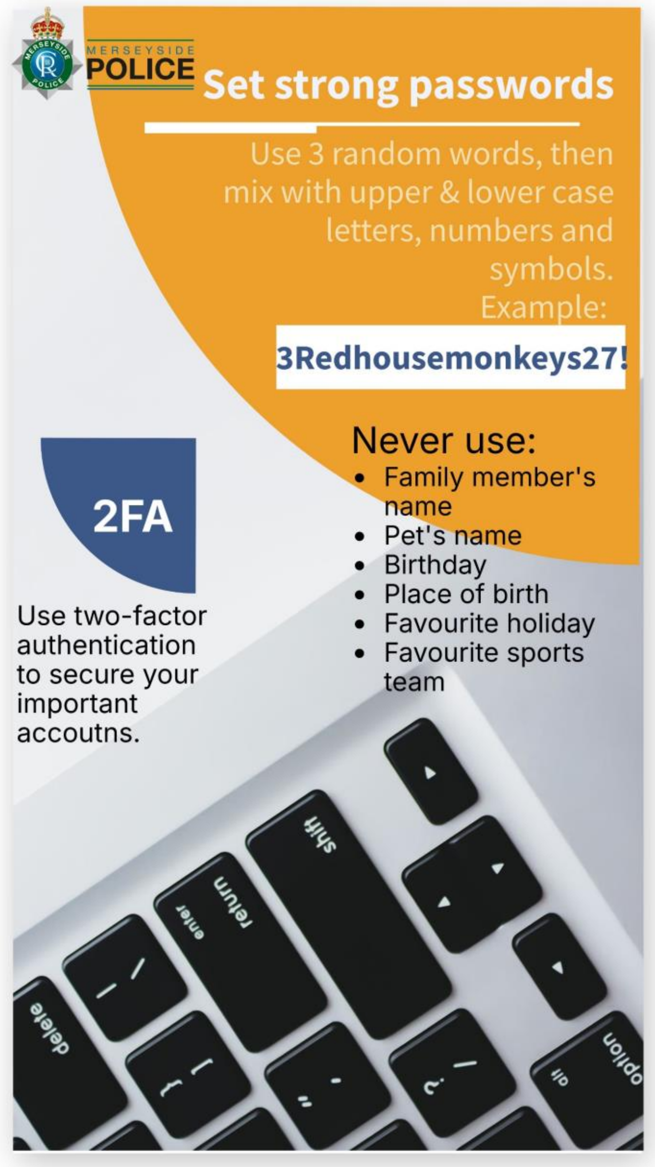

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Set strong passwords

Use 3 random words, then mix with upper & lower case letters, numbers and symbols.

Example:

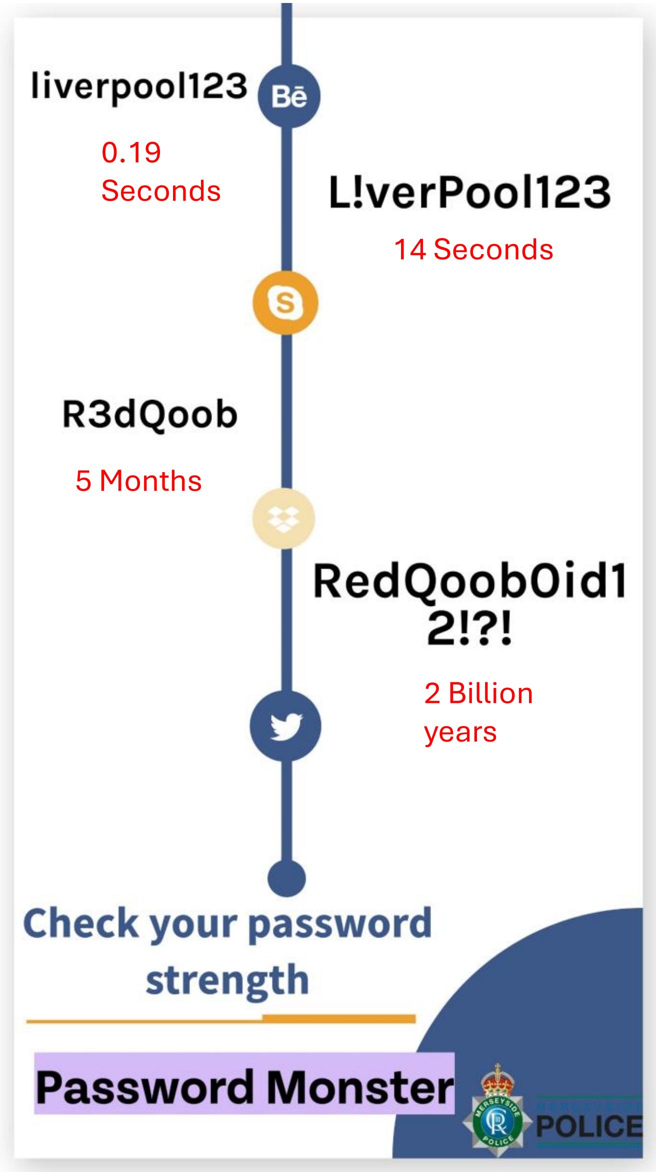
3Redhousemonkeys27!

2FA

Use two-factor authentication to secure your important accoutns.

Never use:

- Family member's name
- Pet's name
- Birthday
- Place of birth
- Favourite holiday
- Favourite sports team



liverpool123

0.19 Seconds

L!verPool123

14 Seconds

R3dQoob

5 Months

RedQoob0id12!?!

2 Billion years

Check your password strength

Password Monster

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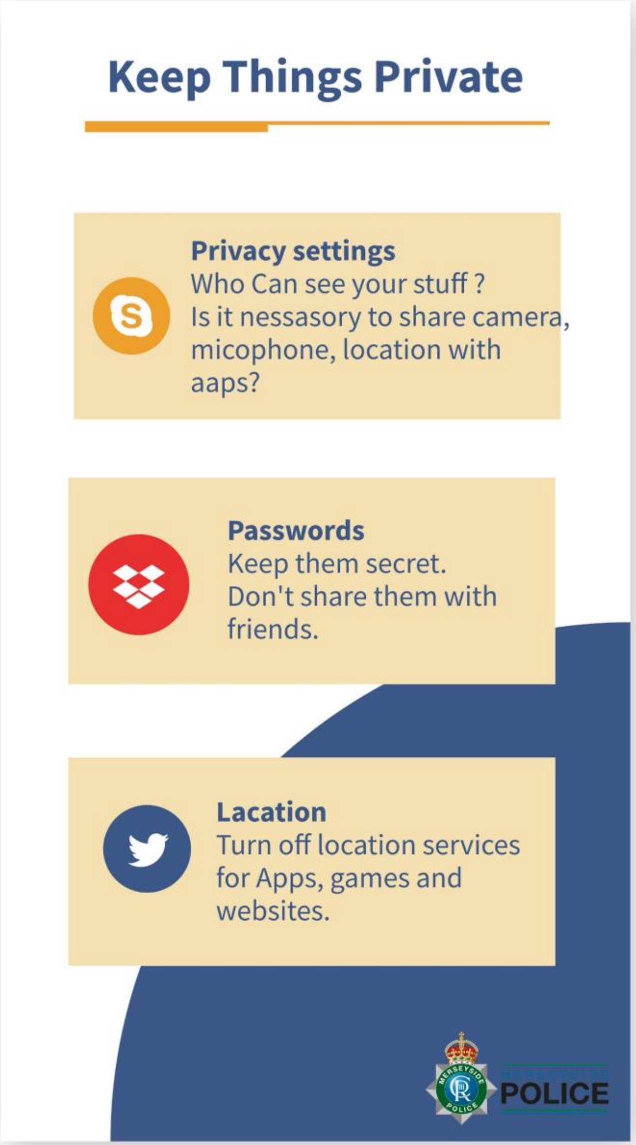
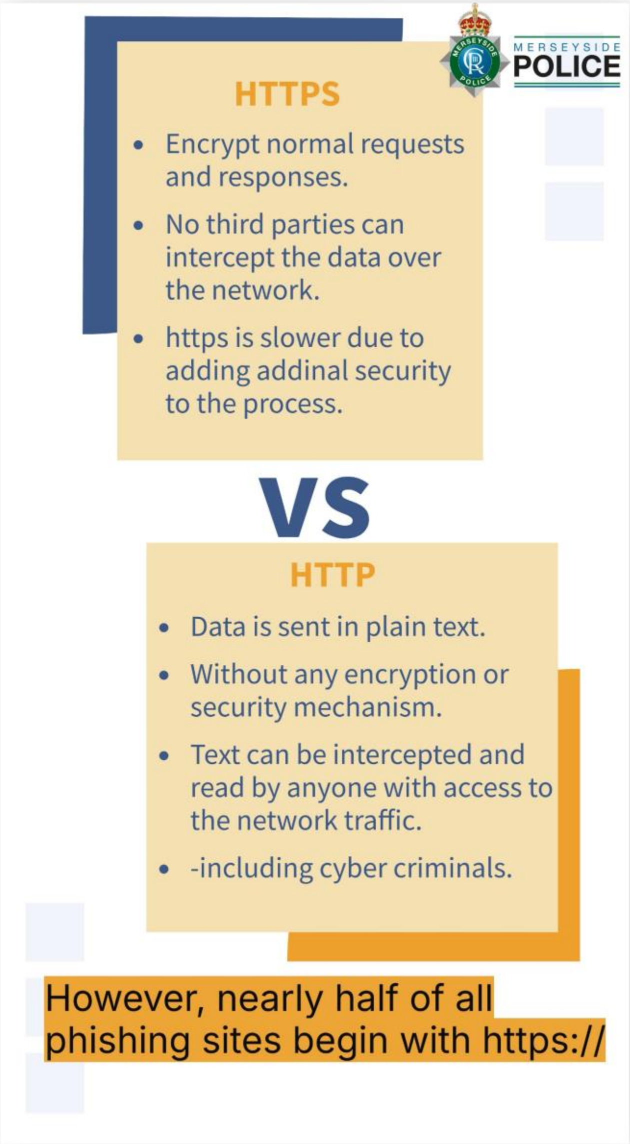


Keep Things Private

Privacy settings
Who Can see your stuff ?
Is it nessasory to share camera, micophone, location with aaps?

Passwords
Keep them secret.
Don't share them with friends.

Lacation
Turn off location services for Apps, games and websites.



HTTPS

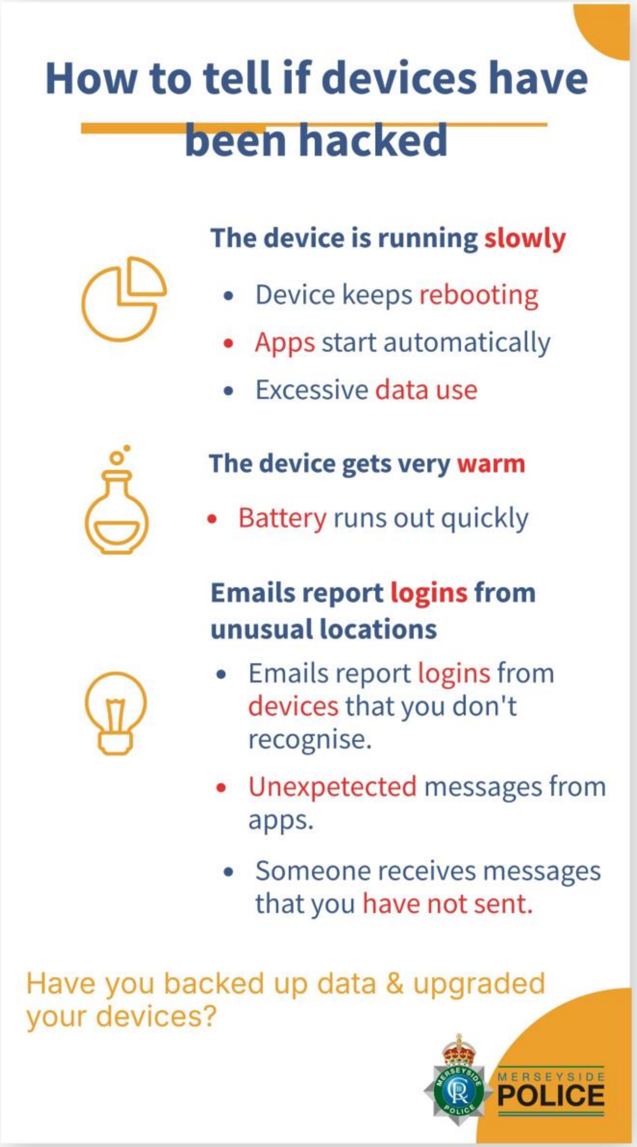
- Encrypt normal requests and responses.
- No third parties can intercept the data over the network.
- https is slower due to adding addinal security to the process.

VS

HTTP

- Data is sent in plain text.
- Without any encryption or security mechanism.
- Text can be intercepted and read by anyone with access to the network traffic.
- -including cyber criminals.

However, nearly half of all phishing sites begin with https://



How to tell if devices have been hacked

The device is running slowly

- Device keeps rebooting
- Apps start automatically
- Excessive data use

The device gets very warm

- Battery runs out quickly

Emails report logins from unusual locations

- Emails report logins from devices that you don't recognise.
- Unexpetected messages from apps.
- Someone receives messages that you have not sent.

Have you backed up data & upgraded your devices?

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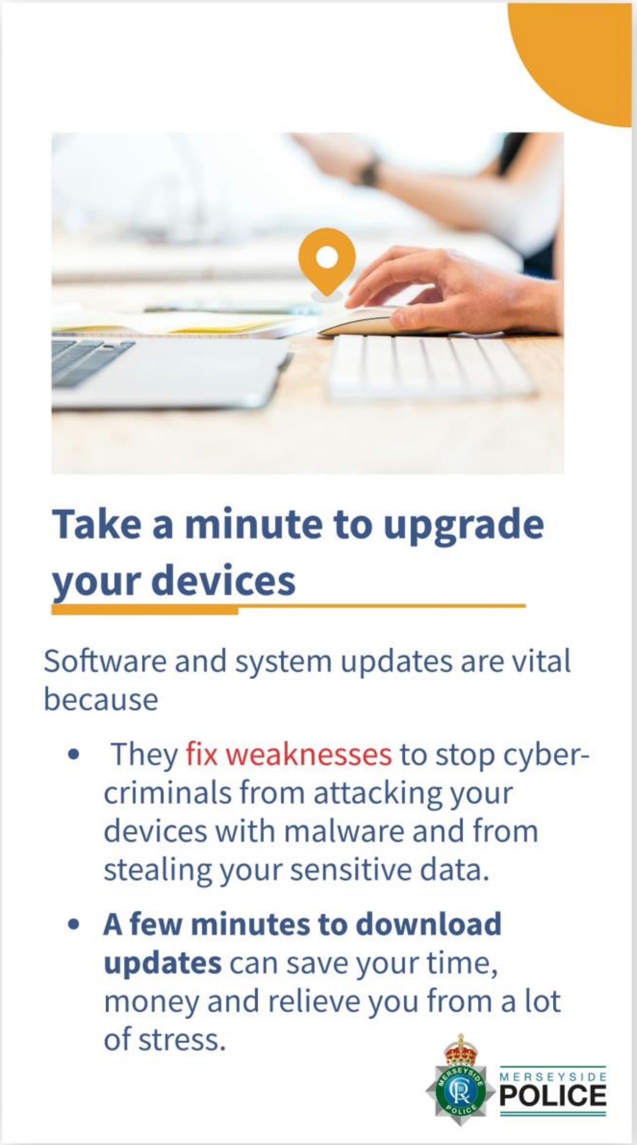

Take a minute to upgrade your devices

Software and system updates are vital because

- They fix weaknesses to stop cyber-criminals from attacking your devices with malware and from stealing your sensitive data.
- **A few minutes to download updates** can save your time, money and relieve you from a lot of stress.

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Risks of online romance

Online dating

Roamnce scams

Visiting adult website

Sextortion Scam

Pig butchering scam

Crpto investment

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What to do if you've recieved an eamil -

that's trying to balckmail you, threaten to share intimate images/videos.

1 Preserve **evidence.**

2 **Stop all communication** with anyone who is blackmailling or threatening you.

3 **Do not pay** any money

4 **Repor**t to the police/**Action Fraud**

5 Report & Remove.

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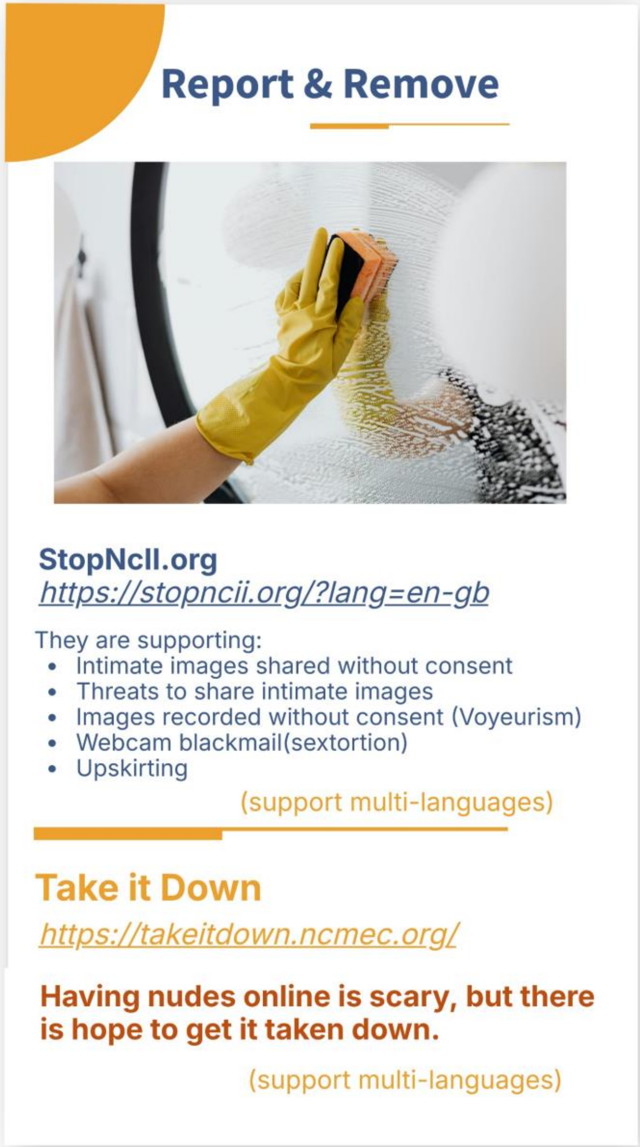


Report & Remove

StopNcII.org
https://stopncii.org/?lang=en-gb

They are supporting:

- Intimate images shared without consent
- Threats to share intimate images
- Images recorded without consent (Voyeurism)
- Webcam blackmail(sextortion)
- Upskirting

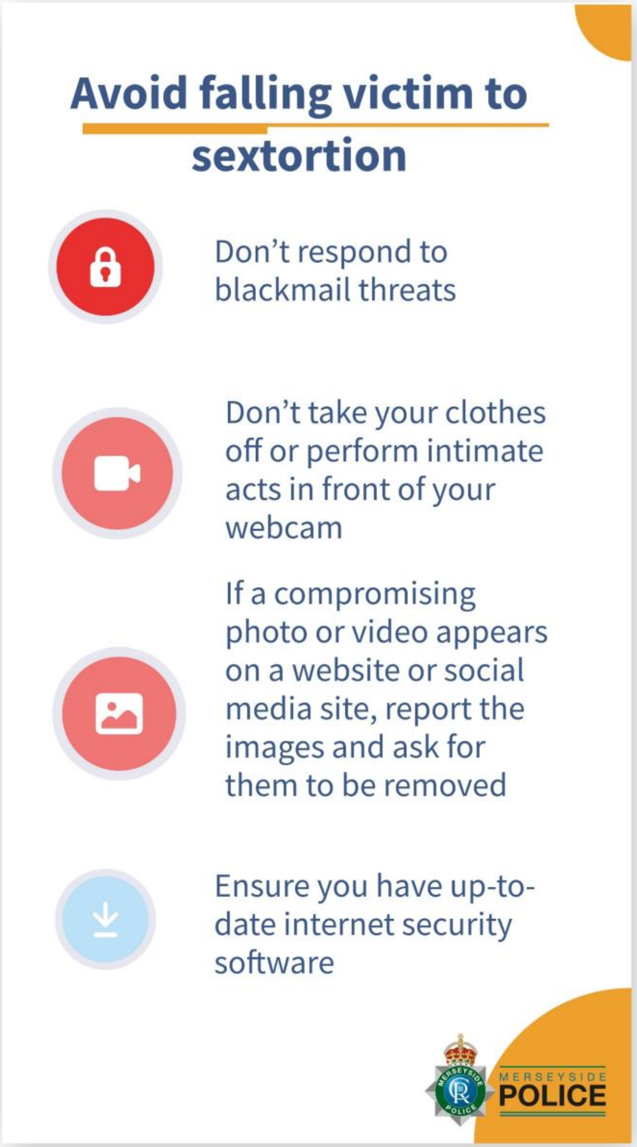
(support multi-languages)

Take it Down

https://takeitdown.ncmec.org/

Having nudes online is scary, but there is hope to get it taken down.

(support multi-languages)



Avoid falling victim to sextortion

Don't respond to blackmail threats

Don't take your clothes off or perform intimate acts in front of your webcam

If a compromising photo or video appears on a website or social media site, report the images and ask for them to be removed

Ensure you have up-to-date internet security software

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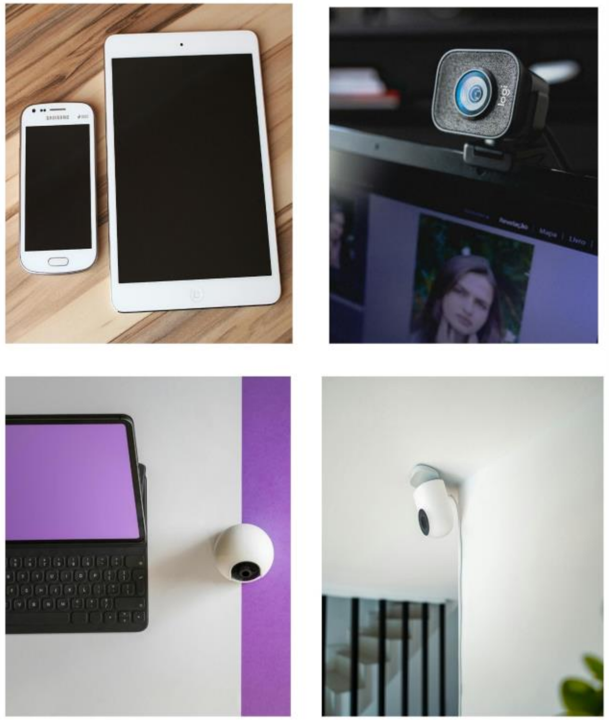
Can you trust your webcams?



Click here to read the story- man installed malware on victim's computers to spy on them through webcams

https://www.sthelensstar.co.uk/news/18141052.jailed-man-installed-malware-victims-computers-spy-webcams/

Thanks!