



Jeff Maynard

Take Five for Cyber Safety



Take Five

The five steps to a safe internet

- Firewall
- Anti Virus
- Backup
- Authentication
- Common Sense



Firewalls

- Hardware (preferred) or software verifying incoming traffic
- In-built function of broadband modem/router (on by default)
 - Do NOT disable...



Virus, Trojans, Malware, Adware

- Types
 - Malicious code that is self-replicating
 - Virus hidden in apparently safe software
 - Software deliberately designed to do something bad
 - Repeatedly displays ads
 - Can steal, disrupt, hijack browser, encrypt and more



Anti Virus Software

- An absolute must-have on any system (except iOS)
- Key corporate providers (AVG, Avast, Sophos etc)
 - Offer free access for individual (personal) use



Backup

- Even before Ransomware, data are fragile (and easily lost)
- A comprehensive backup regime enables recovery:
 - Automatic, incremental, on and off-site
 - Why are Dropbox, Box, OneDrive not suitable?



Backup

- Why are Dropbox, Box, OneDrive not suitable?
 - Because they only store the latest version
 - Ransomware infection will be copied immediately!



Authentication

- Authentication, or logging in, identifies you
 - Gives you access and accepts any purchases etc
- User name is usually email so 50% is compromised
 - Each password is the sole key to each site



Official Password Recommendation

- ActionFraud (run by City of London Police)
 - The national centre for fighting cyber crime
- Three random words
 - Used only once, not written down (inc password managers)



Password Recommendation

- Add uppercase, punctuation, numbers
- Limit your three words to memorable set (min six)
 - Record passwords in a password manager with initials of your chosen words (eg for securepositivewording record 'spw')



Take (Another) Five

- Think before you link
mouse-over or *tap-and-hold* to see true destination
delete text messages with links
- Bookmark financial sites or use the App
be certain of the destination first
- Always install updates
often they fix security holes
- Delete the obvious
if it seems to good to be true, it most certainly is
- Don't post personal information on social media
the bad guys harvest this



Phishing

Think before you link

- The greatest danger
 - Emails appearing to come from trusted source (eg: Apple, Amazon, HMRC, banks, PayPal...)
 - Text messages trying the same thing
 - Trying to steal your identity (username & password) by taking you to a look-alike web site



Phishing

- ‘Your account has been suspended’
- ‘You need to verify your on-line credentials’
- ‘Problem with your membership’
- ‘You are due a refund’
- ‘Your order needs clarifying’
- ‘Upgrade your account for £100 bonus’
- Or similar attempt to take you to a false web site
- Do NOT follow links in emails



Phishing



Hello,

Per our records, your account protection subscription with jeff@jeffmaynard.com has been suspended because of policy reasons. This service **will not** renew till the user information is updated and auto-renew is set to ON.

If you do not update your payment information and enable auto-renew, your online protection service will expire, your Barclays account will no longer be associated with your PINsentry and you may lose all data associated with your online account.

In order to update your payment information and enable auto-renew, you can log in to your account.

Please ignore this message if you have transferred your update already..

Log in

Sincerely,

Barclays Security

https://www.shoggoth.ru/edu/ashashkov/mgostischev/SupermolotLightItalic/index.php?#utm_medium=email&utm_source=transactional&utm_term=suspension

© 2017 Barclays Inc. Barclays and the Barclays logo are registered trademarks of Barclays Inc.

You have received this mandatory email service announcement to update you about important changes to your Barclays product or account.



Phishing

You submitted an order in the amount of \$121.66 USD




Apple Team <eticket@playingsingapore-info.com>
Tuesday, 8 August 2017 at 10:33
To: Jeff Maynard



Receipt

Apple ID Costumer			
DATE August 07, 2017			TOTAL \$121.66
ORDER ID MT6ZMFD1F1	DOCUMENT NO. 191165810592		

Apple Music	TYPE	PURCHASED FROM	PRICE
 Apple Music Membership Monthly August 07, 2017	Subscription		\$121.90
			Subtotal \$120.90 Tax \$0.74
		TOTAL	\$121.64

If you do not make this payment, [Visit iTunes Support](#) Learn how to [manage your password preferences](#) for iTunes, iBooks, and App Store purchases.



Phishing

All trying to take you to a fake web site

- Think before you link!
- If unsure, type the target address in your browser
- Better still, use the App

Delete it and move on!



Bookmark Financial Sites

- Your bank(s)
- Amazon, Ocado, etc, etc



- If unsure, type the target address in your browser
- Better still, use the App



Discount The Obvious

- Would someone really share \$50 million 50:50?
- Do lottery winners pay an 'admin fee' to get winnings?
- PayPal do not use Escrow pending tracking info
- Email attachments are dangerous
- Your email address is not secure (even if you never told anyone!)



Discount The Obvious

- Friends don't ask for return ticket money
- Don't bypass eBay for 'better deal'
- Don't repay 'balance' of overpaid cheque
- Airfare for new lover to visit will be spent on drugs
- Don't be a secret shopper

Stay Anonymous On Social Media



- Don't post your address or other identifying information
- Don't say you are about to go on holiday
- Don't post pictures taken at home
GPS data can identify your address



Phone Scams

- I'm from Microsoft - we detected a Windows' problem
- I'm from BT, there is a problem with your Internet
- Bank or Police reporting problem with card or account
- HMRC threatening over unpaid tax
- Unmissable investment opportunity

- Calling numbers can be spoofed; don't engage - hang up



Postal Scams

- Lottery win - fee to release winnings
- Pyramid/chain letters - *don't join!*
- Unclaimed inheritance (*check authenticity of sender*)
- Advance fee fraud (postal version of the 419 scam)
- Work from home if fee paid



Doorstep Scams

- Rogue traders ('noticed some missing roof tiles')
- Bogus officials (*always check Id*)
- Fake charity collections
- Made-up consumer surveys
- Hard luck stories



Take Five

- Firewall
- Anti Virus
- Backup
- Authentication (strong passwords)
- Take (another) five:
 - Think before you link
 - Bookmark financial sites or use the App
 - Always install updates
 - Delete the obvious
 - Don't post personal information on social media



Follow Up...

Copies of this and others from:

www.policevolunteer.co.uk