

Acropolis institute of technology and research

Cyber Security Awareness

Advice for Individuals and Businesses

(based on training)

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Presentation Contents

- Need for Cyber Security
- Threats:
 - Hacking
 - Malware
 - Phishing
- Stay Secure
 - Internet Shopping
 - Internet Banking
- Personal Privacy
 - Public Wi-Fi
 - Passwords
 - Support & Resources

Why is Cyber Awareness Important?

- Cyber crime is a growing trend
- Raise awareness of threats
- As with most crimes the police can't tackle this problem alone
- To encourage reporting
- Promote Government backed scheme 'Cyber Essentials'
- Cyber crime is massively under reported.

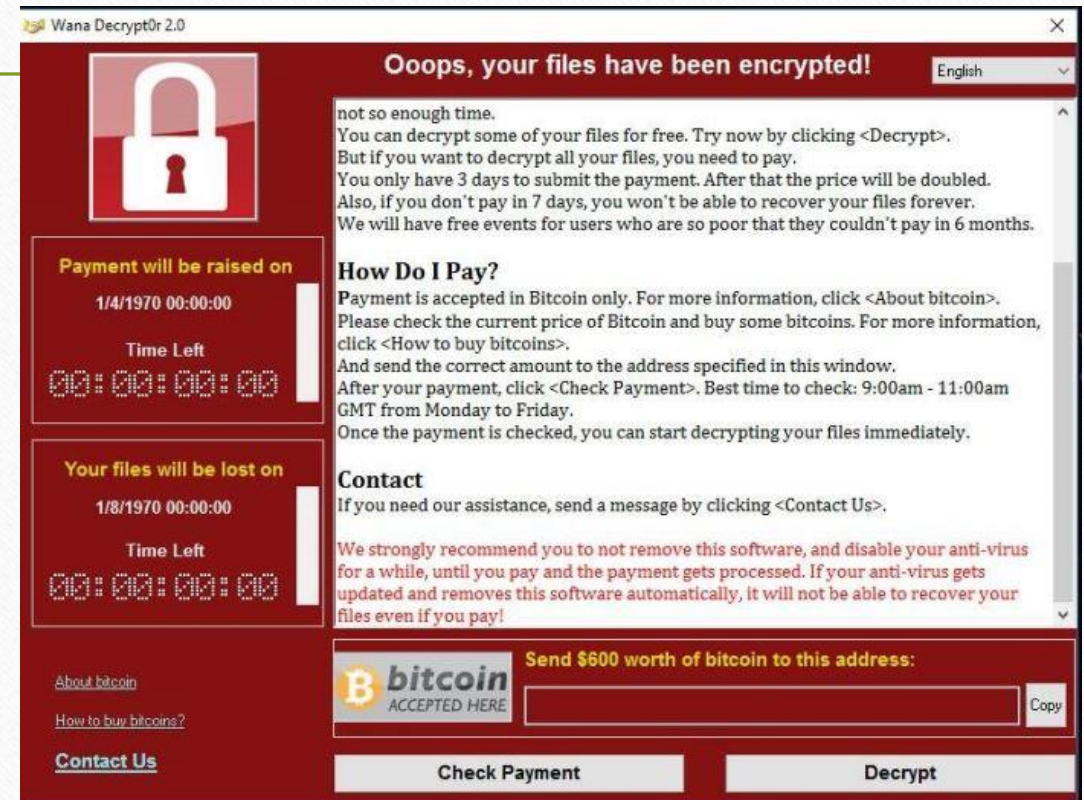
Hacking

- Financial (theft, fraud, blackmail)
- Political /state (state level/ military)
- Fame/ kudos (fun/ status)
- Hacktivism (cause)
- Pen testers (legal hacking)
- Police
- Insider
- Business



Ransomware

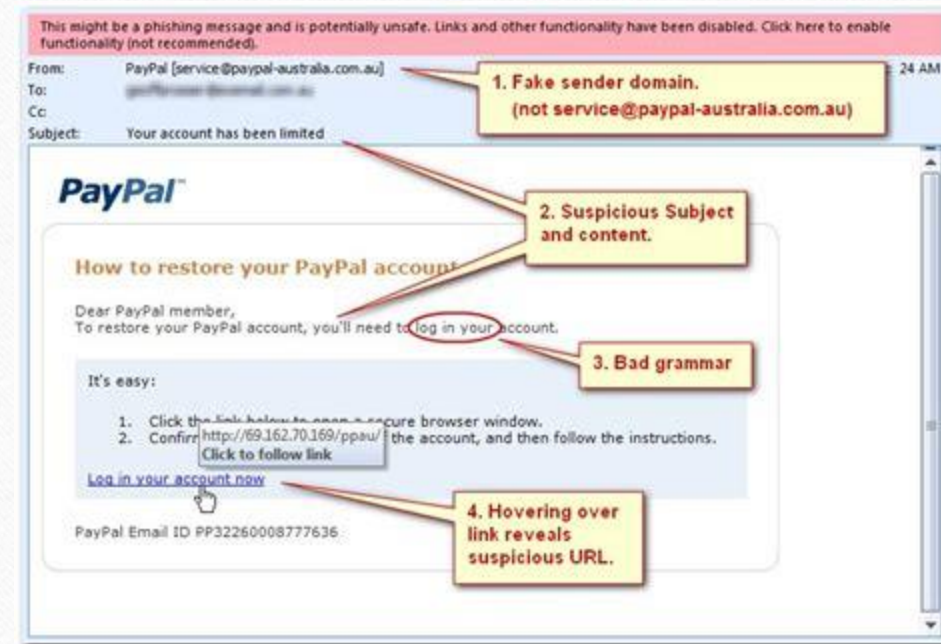
- More than a third of NHS trusts in England and Wales were affected with over 6,800 operations cancelled.



Phishing

How to tackle the problem

- Is the attempt to obtain sensitive information by deception.
- Don't click any links on an email unless you can guarantee who its from.
- Use a trusted method of contacting the company via a phone number, app or website.
- Mark the email as spam and contact the organisation.





HSBC



Text Message
Today 04:15

Our security team have tried to contact you regarding your online account. Log In via the secure link <http://209.177.93.144> to reactivate.



Lloyds



Text Message
Today 14:59

We have tried to contact you about your Internet Banking account, we have limited your account due to recent activity. Visit the secure <http://199.245.58.9> link

Passwords Advice

- Use 1 password per account.
- Three random words is the NCSC's advice. Capitals, special characters and numbers is your own choice.
- If you follow this advice your passwords security will be significantly increased against a brute force attack.
- Password managers can be helpful to store your passwords.

Resources

- Cyber essentials (www.cyberaware.gov.uk/cyberessentials)
- Government back scheme created by NCSC
- Tick list and if followed will increase a companies online security
- Some governmental contracts require Cyber essential certification

Resources

WWW.NCSC.GOV.UK/CISP

CiSP is a joint industry and government initiative set up to exchange cyber threat information in real time, in a secure, confidential and dynamic environment, increasing situational awareness and reducing the impact on UK business.

Thank you