

PROTECTING YOUR BUSINESS FROM CYBER CRIME

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NS Cyber Crime Unit



Regional Organised Crime Unit

Cyber Dependant/Enabled

- **Pursue** - Investigation
- **Prevent** - Stop Involvement
- **Protect** - Increase Defence
- **Prepare** - Increase Resilience



Norfolk cyber attack figures 2018 - 19

272 reported cyber crimes



£572,000 lost by victims

12% were businesses



Norfolk fraud attack figures 2018 - 19

6,626 reported crimes



£15 Million lost by victims

46% were businesses



Department for
Digital, Culture,
Media & Sport

National fraud attack figures 2018 - 19

741,123 reported crimes

86% of fraud was Cyber Enabled



£2.2 Billion lost by victims

65% were businesses

*Cyber Security Breaches Survey 2019



Cost of attacks on businesses

Micro/Small (1-49) - £3,650

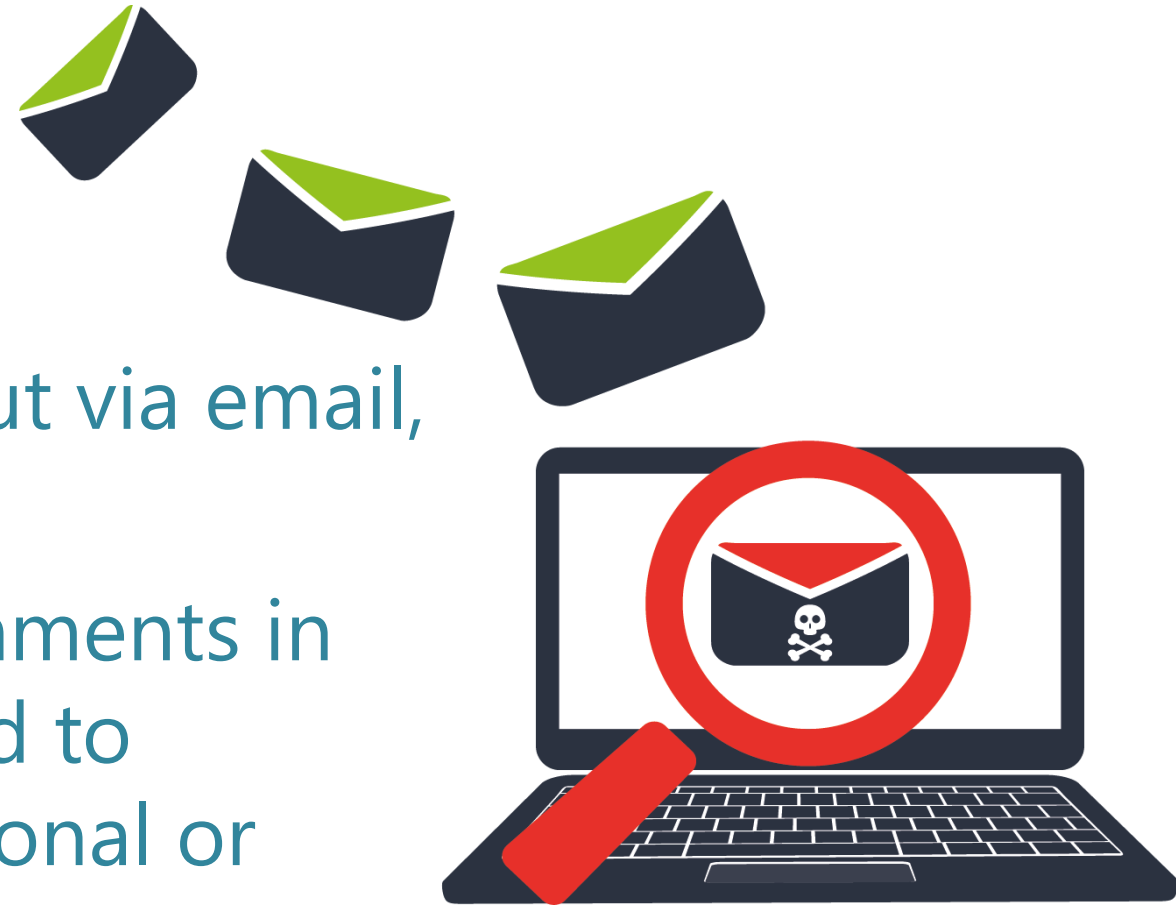
Medium (50 -249) - £9,270

Large (250+) - £22,700



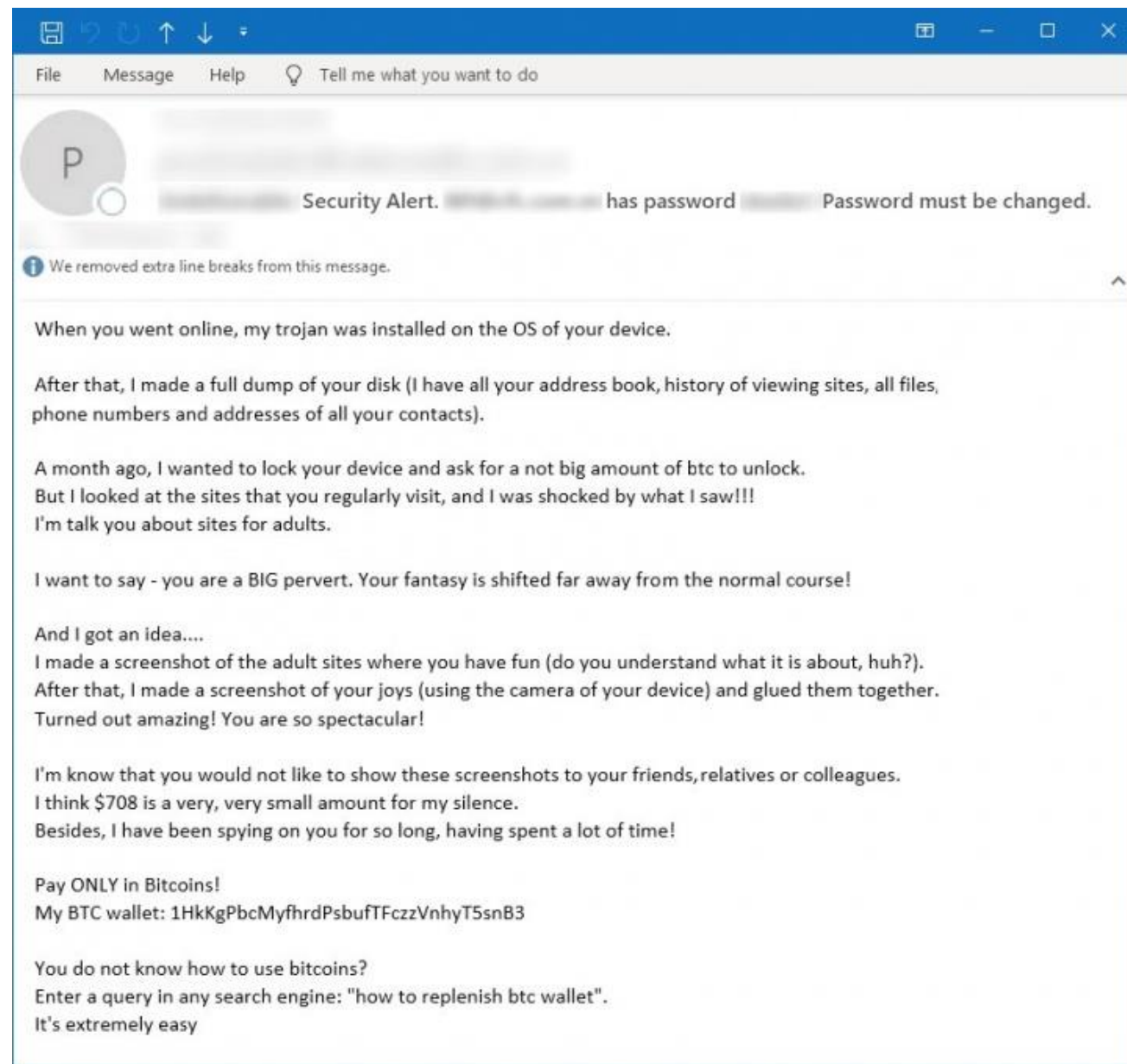
Phishing

- Social engineering
- Phishing is commonly carried out via email, text and phone calls
- Don't click on the links or attachments in suspicious emails, never respond to messages that ask for your personal or financial details



Example

- May contain old password or partial phone number / address
- Threatening tone
- Sense of urgency
- May contain dead links to purported footage



Top Tips

- Use a strong, separate passwords
 - ✓ THREE RANDOM WORDS - Then add complexity, numbers and special characters
 - ✓ Use a password manager if necessary
- Use two-factor authentication (2FA)
- Back-up your most important data



Top Tips

- Download software and app updates
- Install and use anti-virus on all your devices and set to update automatically
- Don't use public WIFI if you do use a VPN or just use 3/4G
- Ensure you have relevant policies & procedures in place

Top Tips

- Limit physical access to computers and servers
- Restrict and enforce strict access to data and encrypt sensitive
- **Make your staff aware of cyber security threats and how to deal with them**

NCSC - 10 Steps to Cyber Security

Assess
Risk

Network
Security

User
Education
+ Policies

Malware
Prevention

Removable
media

Secure
Configuration

Managing
user privileges

Incident
Management

Monitoring

Home/mobile
working

<https://www.ncsc.gov.uk/collection/10-steps-to-cyber-security>

Current Trends

- Aggressive extortion spearfishing
- Pharming (fake sites)
- Mandate fraud
- Ransomware
- Email / Social Media compromise
- Phishing (EHIC)
- Romance Scams
- Cryptocurrency Investment Scams

Statistics

- Phishing accounts for 90% of data breaches
- 30% of phishing messages get opened by targeted users
- 66% of malware is installed via malicious email attachments
- 195% increase in ransomware attacks in the UK in the first half of 2019

78% say cyber security is a high priority for them
27% of staff have attend cyber security training

Internal Cyber Crime



- IT worker sacked
 - Steals login credentials
 - Deletes all the companies AWS (Amazon Web Services)
 - Company loses contracts / estimate £500,000 loss / unable to retrieve lost data
 - The company had to make redundancies
-
- ✓ Convicted in Jan 2019 under the Computer Misuse Act - Jailed for 2 yrs
 - ✓ One count of unauthorised access to computer material
 - ✓ One count of unauthorised modification of computer material

Reporting Cyber Crime



**ActionFraud 24/7
live cyber attacks**



If you are a victim

- Report to ActionFraud
- Keep copies of / photos of:
 - ✓ Logs (server / access / email)
 - ✓ Email headers
 - ✓ Any related documents
 - ✓ Keep forwarding rules

FREE

NS Cyber as a resource

- Cyber Basics Review - 80+ questions against 9 key areas (in line with [Cyber Essentials](#))
- Signpost and offer general cyber support and advice
- Deliver Cyber Protect message & training at events
- Lego Decisions and Disruptions roleplaying game to raise awareness of the importance of cyber security

FREE

NS Cyber as a resource

- Cyber intelligence service - vulnerabilities email distribution (NSCyber.com/JoinIntel)
- Monthly NSCyber 'Cyber bytes' security guidance
- Sponsors for [CiSP](#) – (Cyber Security Information Sharing Partnership) joint industry and government knowledge initiative



National Cyber
Security Centre

a part of GCHQ

ncsc.gov.uk



www.getsafeonline.org



@cyberprotectuk

Follow for simple and practical advice
on how to protect yourself from
cybercrime.

ActionFraud
Report Fraud & Internet Crime
actionfraud.police.uk



TO STOP FRAUD™

takefive-stopfraud.org.uk



@CityPoliceTell2

Follow for simple and practical advice
on how to protect yourself from fraud.



NSCYBER



CYBER
ESSENTIALS

cyberessentials.ncsc.gov.uk



Cyber-security Information Sharing Partnership

PUBLIC

The Cyber Helpline

thecyberhelpline.com

NO MORE RANSOM!

nomoreransom.org

‘;--have i been pwned?’

haveibeenpwned.com

TURN IT ON

turnon2fa.com

PUBLIC

PUBLIC



www.norfolk.police.uk
nscyber.com/BusinessFeedback



CyberProtect@Norfolk.pnn.police.uk



[@NSCyberCrime](https://twitter.com/NSCyberCrime)



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