



Leicestershire
Police

Protecting our communities

Policing the Digital World

T/DS Charles Edwards – Leicestershire Digital
Hub

leics.police.uk

28th March 2018 – Police and Crime Panel

1
Agenda Item 7

Lincolnshire County Council hit by £1m malware demand

29 January 2016

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ALL YOUR PERSONAL FILES HAS BEEN ENCRYPTED

All your data (photos, documents, databases, etc) have been encrypted with a private and unique key generated for this computer. This means that you will not be able to access your files anymore until they are decrypted. The private key is stored in our servers and the only way to receive your key to decrypt your files is making a payment.

The payment has to be done in Bitcoins to a unique address that we generated for you. Bitcoins are a virtual currency to make online payments. If you don't know how to get Bitcoins, you can click the button "How to buy Bitcoins" below and follow the instructions.

You only have 4 days to submit the payment. When the provided time ends, the payment will increase to 1 Bitcoins (\$350 aprox.). Also, if you don't pay in 7 days, your unique key will be destroyed and you won't be able to recover your files anymore.

Payment raise
3 days, 23:55:31

Final destruction
6 days, 23:55:31

To recover your files and unlock your computer, you must send 0.1 Bitcoins (\$35 aprox.) to the next Bitcoin address:

19Qzykx4Dgwhz9Yr7pp8EadfqH1tV46CFF

Check payment How to buy Bitcoins BLEEPINGCOMPUTER

An example of a ransomware demand

energy networks r cyber attacks on icture

Parliament has been hit by a "sustained an attempting to gain access to MPs' and their staffers' email accounts. Both houses

Lizzie Dearden | @lizziedearden | Saturday 15 July 2017 15:42 BST

Click to follow
The Independent Online

LEICESTERSHIRE **CYBER PROFILE**



Leicestershire Police



CITY OF LONDON POLICE
Network Policing Lead For Fraud

146

REPORTED CRIMES
APR 2017 TO SEPT 2017



£110K

LOST BY VICTIMS
APR 2017 TO SEPT 2017

60

COMPUTER VIRUS/MALWARE/SPYWARE - TOP CYBER DEPENDENT CRIME BY VOLUME
APR 2017 TO SEPT 2017



£87K

LOST BY VICTIMS OF HACKING (SOCIAL MEDIA AND EMAIL) - TOP CYBER CRIME BY LOSS
APR 2017 TO SEPT 2017



3%
OF REPORTS WERE FROM BUSINESSES



95%
OF REPORTS WERE FROM INDIVIDUALS

7 OUT OF 20 VICTIMS

REPORTED A SEVERE OR SIGNIFICANT IMPACT FROM CRIME



REPORTED VOLUMES & LOSSES | CYBER DEPENDENT |

VICTIM IMPACT



Cyber Crime – What are we doing?

- 1/3 year plans in conjunction with key partners
- Ensure fully trained team to investigate Cyber Crime of all levels
- Divert Offenders
- Volunteers

PROTECT **P**
PREVENT **P**
PURSU **P**
E **Prepare**

The screenshot shows the 'Get Safe Online in Leicestershire' website. At the top, there are logos for Leicestershire Police, Leicestershire County Council, and Rutland County Council. The main navigation bar includes 'Personal' and 'Business' tabs. Below this, there are several menu items: 'Protecting Your Computer', 'Protecting Yourself', 'Smartphones & Tablets', 'Shopping, Banking & Payments', 'Safeguarding Children', 'Social Networking', and 'Business'. The main content area features a large banner for 'Ticket Fraud' with the text 'Get Safe Online launches ticket fraud campaign'. To the right of the banner are several news snippets with 'Read more...' links. Below the banner, there are three smaller sections: 'Get the answers' with a 'Ask Terry Tablet' button, 'Spot the difference' with a 'Protect yourself from ticket fraud' button, and a 'Tweets' section showing a tweet from @GetSafeOnline about a man jailed for running a website for selling counterfeit tickets.

protect themselves online: SME cyber-security survey

99.3%
UK private sector
businesses accounted
for by SMEs
15.6 million
Employed by
SMEs



74%
Reported a security
breach in the last
year
£34 billion
Cost of cybercrime to
UK businesses per year

Preliminary Results:



46%

Brought in their
own USB stick



20%

Reporting a cyber attack
to the police would
damage the company's
reputation



88%

Managers
responsibility to
protect company
from cybercrime



28%

Had shared
their password



83%

More could be
done to
communicate risks
of cybercrime



78%

Use the same
password for
multiple websites/
accounts



21%

IT security is not
a priority in their
organisation



48%

Police lack the
capacity to deal
with cybercrime
effectively

Dr Lee Hadlington
DE MONTFORT UNIVERSITY

Cyber Crime – What can we all do?



- Understand your own culture around Cyber Hygiene and your biggest risks
- Encourage reporting and discussion of near misses/concerns
- Engage and educate staff
- Ensure continuity/resilience is considered for incidents of Cybercrime
- Follow trusted sites/people to keep up to date
- Report incidents through the correct channels!
 - Action Fraud
 - 999

Action Fraud

National Fraud & Cyber Crime Reporting Centre

The coming year....

Action Fraud
National Fraud & Cyber Crime Reporting Centre
Direct Access - Vault



East Midlands Special Operations Unit

Home Office NCA (National Crime Agency) HM Revenue & Customs

National Cyber Security Centre
a part of GCHQ

DIGITAL
INTELLIGENCE &
INVESTIGATION



Leicestershire **Police**

Protecting our communities

Contact Details:

Leicestershire Cybercrime Unit: DS 2877 Charles EDWARDS
01162483950 – Cybercrime@Leicestershire.pnn.police.uk

Cyber Protect Officer: 7916 Samantha HANCOCK
01162482777 – Samantha.Hancock@Leicestershire.pnn.police.uk

Regional Prevent: emsou_cyset@leicestershire.pnn.police.uk

Advice Website: www.getsafeonline.org/leicestershire

Any Questions?