



Leicestershire  
**Police**

Protecting our communities

# Policing the Digital World

T/DS Charles Edwards – Leicestershire Digital  
Hub

[leics.police.uk](http://leics.police.uk)

28<sup>th</sup> 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

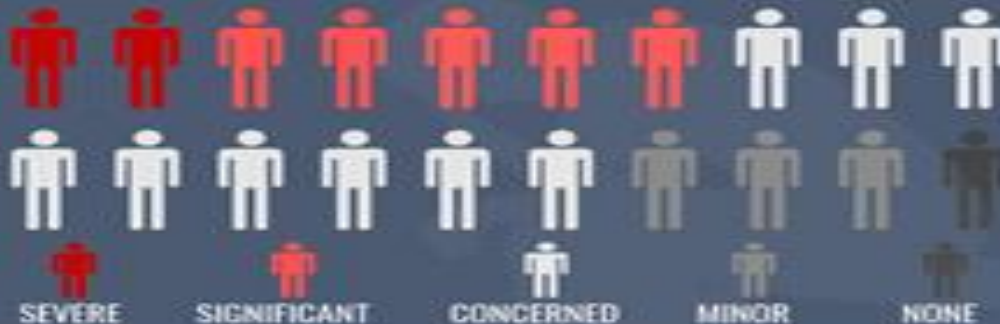


**95%**

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, and a menu with categories: 'Protecting Your Computer', 'Protecting Yourself', 'Smartphones & Tablets', 'Shopping, Banking & Payments', 'Safeguarding Children', 'Social Networking', and 'Business'. The central banner features the 'Tickets' campaign with an illustration of people and the text 'Get Safe Online launches ticket fraud campaign'. To the right, there are several news snippets with 'Read more...' links, including one about password security and another about a fraud warning. Below the banner, there are three 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.



# Helping Businesses

## 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](mailto:Cybercrime@Leicestershire.pnn.police.uk)**

**Cyber Protect Officer: 7916 Samantha HANCOCK**  
**01162482777 – [Samantha.Hancock@Leicestershire.pnn.police.uk](mailto:Samantha.Hancock@Leicestershire.pnn.police.uk)**

**Regional Prevent: [emsou\\_cyset@leicestershire.pnn.police.uk](mailto:emsou_cyset@leicestershire.pnn.police.uk)**

**Advice Website: [www.getsafeonline.org/leicestershire](http://www.getsafeonline.org/leicestershire)**

## **Any Questions?**