



The Information Security Arm of GCHQ

# ICESG: Cyber Threat

# What is CESG?

- Information Security arm of GCHQ
- National Technical Authority for IA
- Our aim: to enable secure and trusted knowledge sharing to help customers achieve aims
- We work with government, industry and academia

# Cyber Threat to Local Government

- What is it?
- What do they want?
- How do they get it?
- What's the impact?
- What can you do about it?

**Online attackers steal £20m  
from UK bank accounts**

14 October 2015

**Computer scammers steal  
£60,000 from Essex victims**

21 August 2015

**Hackers 'stole data of  
millions of US government  
workers'**

10 July 2015

# Who and why?

- Criminals
- Foreign states
- Activists
- Insiders



# How?

- Services you provide
- Devices you use

Most attacks take advantage of the  
weakest points in your architecture

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and are usually caused by not doing the  
basics

## **Talk Talk website hacked**

23 October 2015

## **'Whale' finance fraud hits businesses**

19 October 2015

## **Cyber attack on city council**

7 July 2015



# What can happen?

- Theft/loss of citizens' personal details
- Theft of taxpayers' money
- Individuals at risk
- Massive cost of disruption

# What you can do

- Know what's important to you
- Recognise your risks
- OFFICIAL – proportionate protection
- Good information handling and management
- Available guidance:
  - Good commodity technology and End User Devices
  - Cloud
  - Principles of risk management
  - Passwords

# QUESTIONS??

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- [Enquiries@cesg.gsi.gov.uk](mailto:Enquiries@cesg.gsi.gov.uk) or 01242 709141