

# Protecting your community from *Cybercrime*



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# Cybercrime The facts

**Fraud and cyber crime are now the country's most common offences**

**Costs the UK Economy in excess of £27bn per year**

**Organisations & individuals now 50 times more likely to be a victim of fraud via the computer than a physical Crime**

**Government figures show that over 50% of businesses are unprepared  
Anyone is a potential target**



# Cybercrime Local Authorities

**UK local authorities have Experienced in excess of 98 million cyber attacks over 5 years.**

**This means that there are at least 37 attempted breaches of UK local authorities every minute.**

**At least 1 in 4 councils experienced a cyber security incident – that is, an actual security breach - between  
2013 – 2017**

**75% of local authorities do not provide mandatory training in cyber security awareness for staff and 16% do  
not provide any training at all**

**\*Big Brother Watch report. February 2018 Based on Freedom of Information requests**

# Cybercrime The Effects

## Traditional crime

Theft of cash

Theft of goods

Damage to property

## Cyber crime

Theft of electronic funds

Theft of data

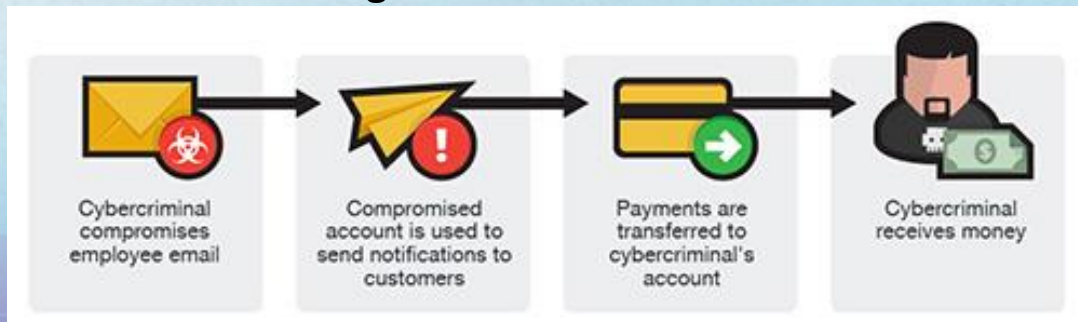
Damage to digital assets

# Business Email Fraud

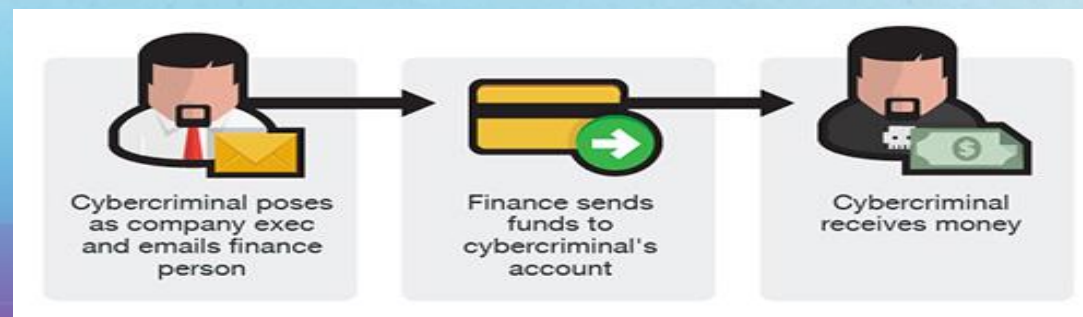
## Version 1 - Account Compromise



## Version 2: The Bogus Invoice Scheme



## Version 3: CEO Fraud



80% increase in the number of BEC attacks in the second quarter of 2018



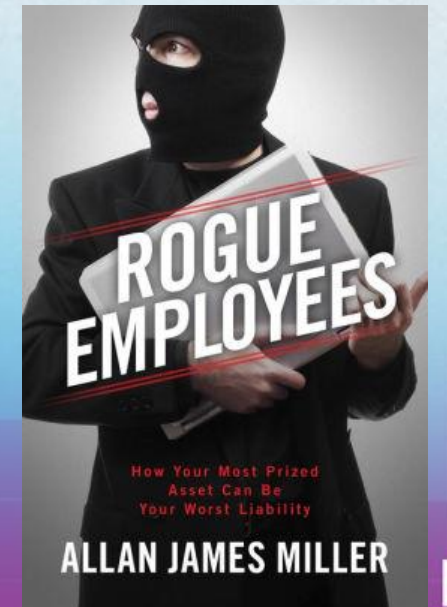
# Ransomware



Ransomware attacks like the WannaCry attack of May 2017 are likely to become more frequent in the near future. Ciaran Martin the Head of the National Cyber Security Centre (NCSC) said recently in an interview “it is a matter of when, not if” a major cyber attack will happen in the UK



# Other Types of Cybercrime



# QUESTION

What is the Number 1 CAUSE for LOST DATA  
?????

- A) Hacker
- B) Malicious Employee
- C) Loss of Laptop/Phone/Tablet/Ipad
- D) Accidentally made Public . ie Reply all



# ANSWERS

Hackers = 34%

Accidentally Made Public = 29%

Loss of computer/Physical Data Loss = 27%

Insider Theft = 6%

Unknown = 2%

Fraud = 2%

**Internal Threats** therefore make up 62% of all causes of Data breach!

# Human Error



Employee error to unwittingly give away credentials and other sensitive information facilitate data breaches in over half of Data breaches according to recent reports by the ICO



# Lost device or document



5% of all Cyber insurance claims were the result a lost device or document. \*Hiscox 2018

# THE SIGNIFICANT RISKS TO PARISH/TOWN COUNCILS

**Business Email Fraud** = Lost Data / Additional costs ie Forensics. Clerk time

**Ransomware** = Lost Data / Additional costs ie Forensics

**Phishing** = Money Loss / Lost Data

**CEO Fraud** = Money Loss

**Human Error** = Data protection / money loss

**Denial of Service attacks** = Additional costs ie Forensics

**Telephone Hacking** = Money Loss

**GDPR** = Prospect of Increased Fines / Additional costs

5% of all Cyber insurance claims were the result a lost device or document. \*Hiscox 2018



# GDPR

- Main concepts and principles similar to the Old DPA 1998
- Greater emphasis on transparency, openness and the documents you keep (accountability)
- Mandatory Notification – The ICO must be notified of any data breach with 72 hours of the breach being discovered
- Fines of up to 4% of worldwide turnover or EUR 20,000,000, whichever is higher.
- More Rights For Data Subjects
- Compensation for `Non Material` damage` has been added - ie. Distress Claims

Elizabeth Denham, Information Commissioner August/September 2017

“Fines can be avoided if organisations are open and honest and report without undue delay, which works alongside the basic transparency principles of the GDPR”

# How can you protect your Local council

Keep Software Updated	Have a contingency plan	Make sure Passwords are strong
Educate staff and refresh training regularly	Make sure Data is regularly backed up	Have up to Data security policies in place
Vet your Outsource Service Providers	Physical Network Controls/Malware protection	Monitoring & Double Verification Procedures



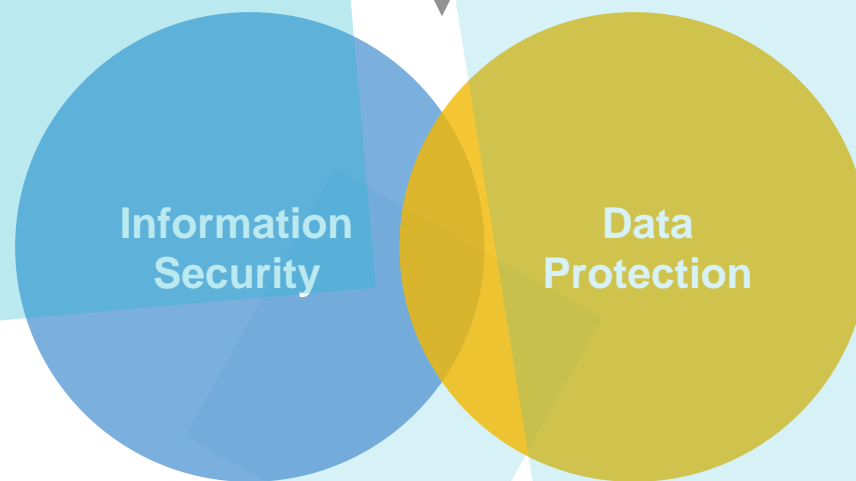
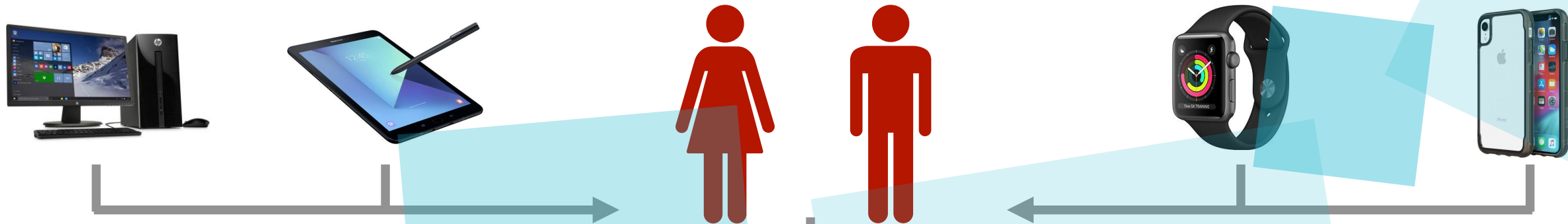






**Pop quiz**

**Have you ever sent  
an email after 10pm?**

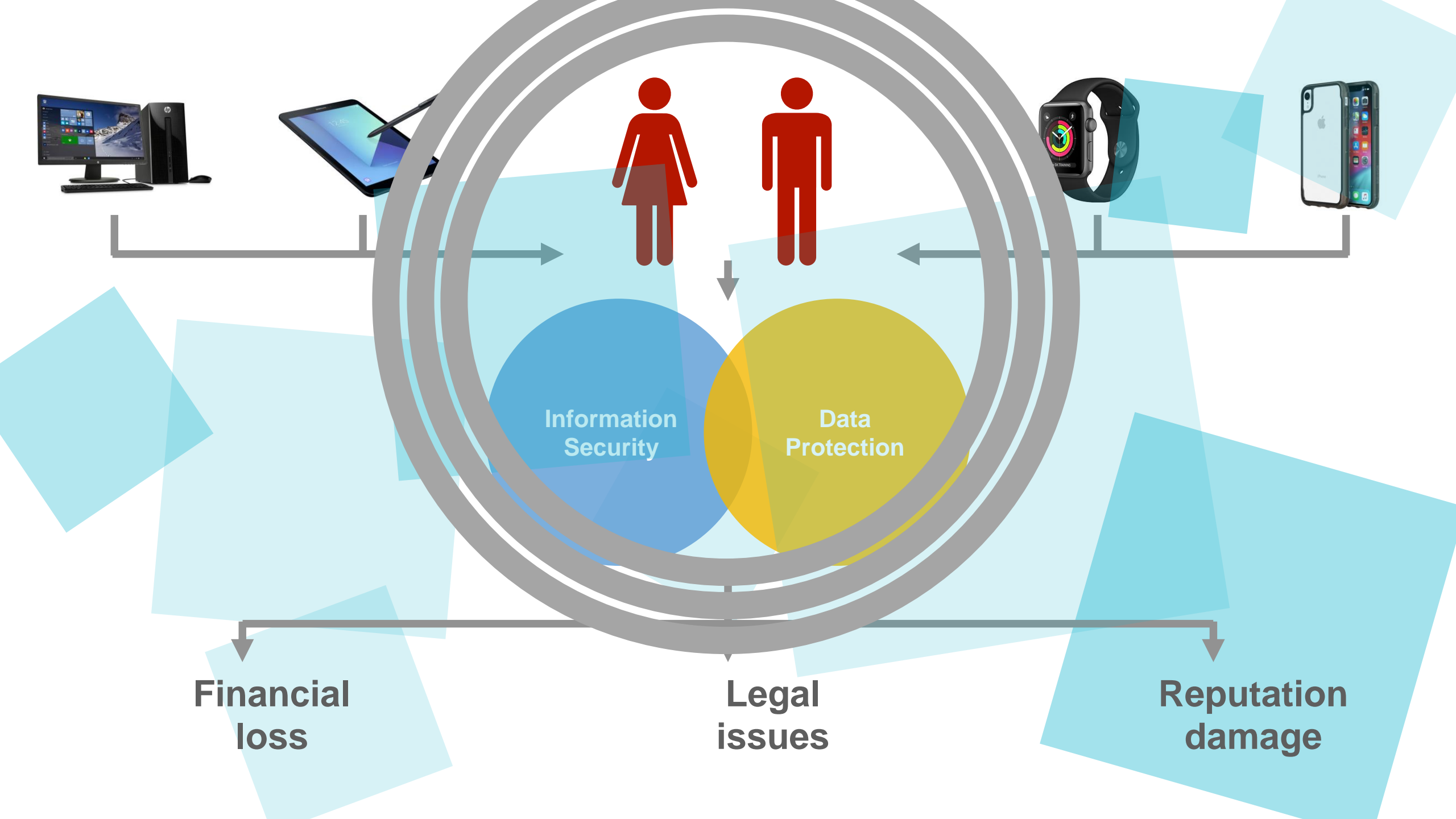


**Financial  
loss**

**Legal  
issues**

**Reputation  
damage**



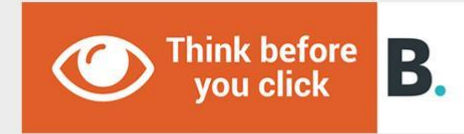


# Your first step

- Hard-copy, attractive awareness resources covering 20 colleagues.
- Improved governance through HM Government's Cyber Essentials scheme.
- Like Health & Safety!



1x  
Communal poster



40x  
'Think Before You Click' stickers



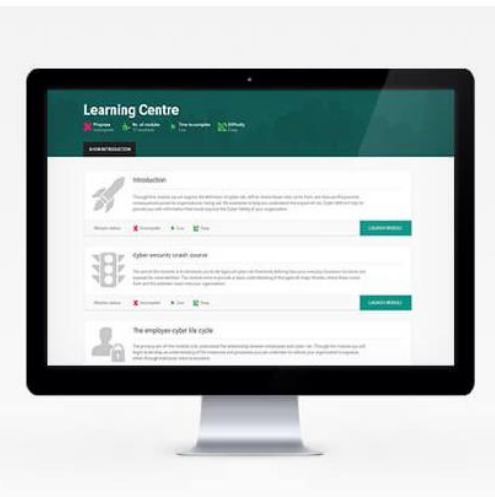
20x  
Guidance booklets



1x  
Installation advice



1x  
Receipt sheet





# CYBER INSURANCE



FIRST PARTY – (Financial loss to the council)

- Access to Industry experts
- A specialist IT forensic company to investigate the cause and scope of the incident
- A Public Relations Company to protect and mitigate any damage to your reputation
- A Data breach lawyer and the legal expenses associated with a data breach incident
- Costs for Re-instatement of data and Reasonable to maintain the council operations
- Costs to notify data subjects to protect the council reputation
- Credit Monitoring Costs for data subjects
- Cyber Extortion Costs
- Theft of Funds (social engineering/Funds Transfer)

# CYBER INSURANCE

THIRD PARTY – (Third Party Claims against the council)



- Legal Liability for Distress claims made against the Local Council.
- Negligent transmission of a virus
- Legal liability for accidentally infringing any copyright or trademark, or any defamation
- Corruption of third party data



# Why choose BHIB Cyber for Councils?

Our policy has a range of benefits that are exclusive to BHIB Cyber for Councils including:

- Free EOS (European Organisation for Security) data breach alert and monitoring service.

- Premium of £299.99 including Insurance Premium Tax.

- Small Councils can work in partnership and have a joint policy with up to 3 other Councils to split the cost and share the 10 free Avast Business Pro Plus device licences.

- Free 1 Hour cyber/GDPR consultation with a compliance specialist, who is also a councillor.

- BHIB Councils Insurance Cyber Risk Scorecard



# Thanks For your Time

Any Questions ?

