

KryptoKloud



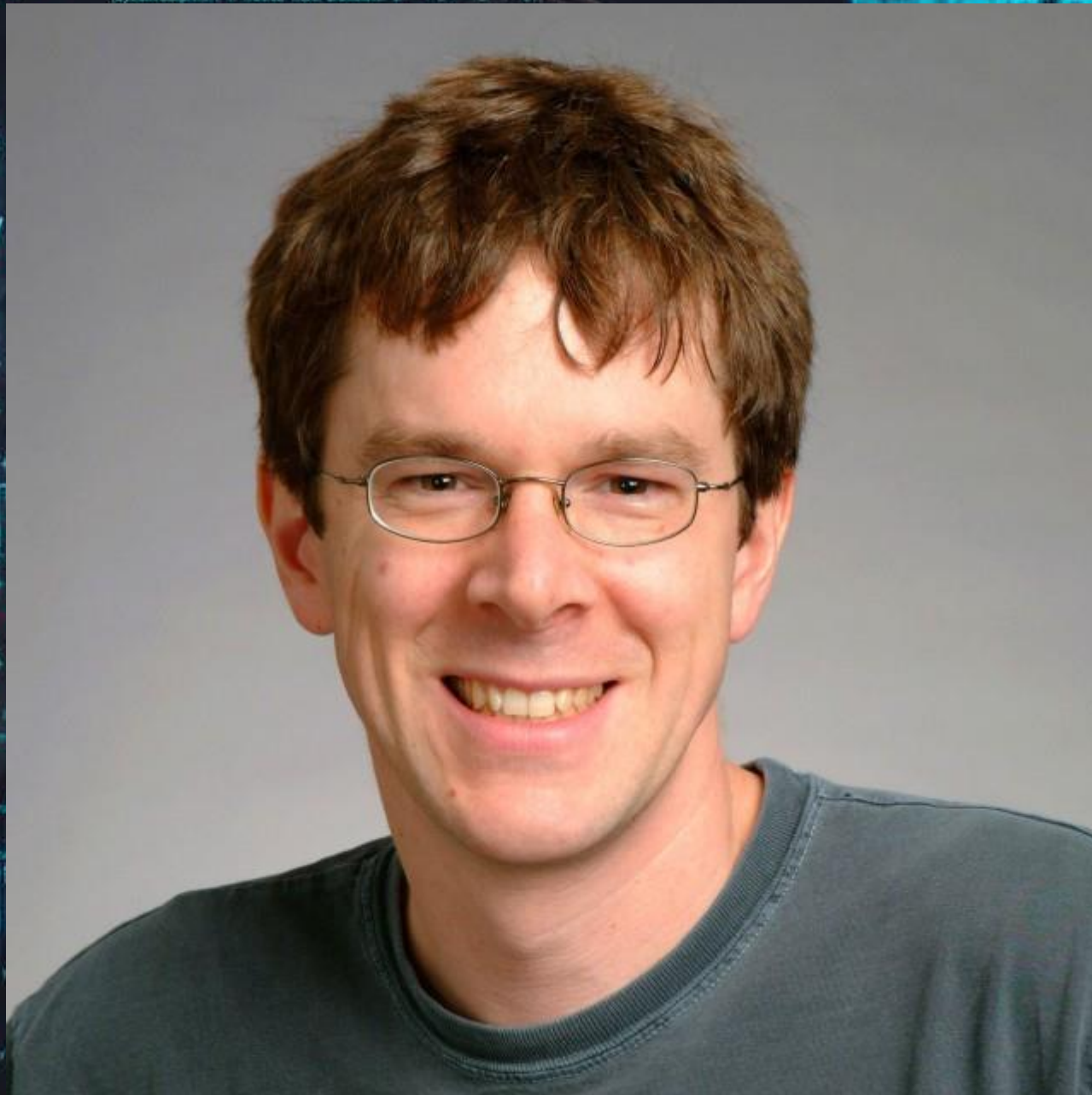
wilkin  
chapman  
llp solicitors





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Cyber security describes the **activities and technologies** used to defend the **assets and interests** of an individual or organisation to reduce the risk of a cyber attack.



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## Cyber security's core functions:

1. **Protect** the devices we use and services we access from theft or damage.
2. **Prevent** unauthorised access to personal information stored online and on devices.



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# UK Cyber Attack Statistics 2021

Attempts to hack SMEs in the UK

= 65,000 each day

Successful hacks

= 4,500 each day

Rate of successful hacks in the UK today

= 1 business every 11 seconds

Data breaches in Feb 2021

= 2.3 billion records



**Phishing:** a hacker uses a false identity to trick someone into providing sensitive information, downloading malware or visiting a site containing malware

**Malware:** malicious software designed to harm a computer system

**Ransomware:** a hacker locks the victim's computer or files and holds the information for ransom

## Common Cyber Attacks





## This is a public health message from NHS

As part of the government's coordinated response to Coronavirus, NHS is performing selections for coronavirus vaccination on the basis of family genetics and medical history. .

**You have been selected to receive a coronavirus vaccination.**

Use this service to confirm/reject your coronavirus (COVID-19) vaccination:

[>> NHS - Accept invitation](#)

[>> NHS - Decline invitation](#)

NOTE: The coronavirus (COVID-19) vaccine is safe and effective. It gives you the best protection against coronavirus.

Who can use this service

You can only use this service if you have received an email/SMS regarding this invitation. You can not use this service for anyone other than yourself.

You are also free to reject this invitation, your appointment will be issued to the next person in line in that case.

NHS National Health Service GOV.UK



We're sorry to let you know that the your vehicle is no longer taxed.

To: Dr Rona Mackenzie

## Driver & Vehicle Standards Agency

We're sorry to let you know that the your vehicle is no longer taxed.

Dear [rona](#).

DVLA have been notified electronically about you latest payment for your vehicle tax failed because there is not enough money on you debit card.

We have generated a new invoice, and we suggest you to use a credit card instead of a debit, to avoid any other consequences that might appear in case again won't be enough funds inside..

[Pay your tax now](#)

Remember, if you don't keep up with your payments, we may be forced to cancel your license or pass your details to a debt collection agency.

Please keep this email safe, as it tells you how to update your licence details. If you ever need to change anything, just sign in to your licence.

Yours sincerely,

Rohan Gye

Vehicles Service Manager

Driver and Vehicle Licensing Agency - GOV.UK



### Refund Notification

Due to a system error you were double charged for your last order, A refund process was initiated but could not be completed due to errors in your billing information

**REF CODE:2550CGE**

You are required to provide us a valid billing address

[Click Here to Update Your Address](#)

After your information has been validated you should get your refund within 3 business days

We hope to see you again soon.

[Amazon.com](#)

Email ID: [\[redacted\]](#)



Micro and SMEs  
aren't targeted by  
hackers

Only certain  
industries are  
vulnerable to  
cyber attacks

Cyber security  
threats come  
from the outside

You'll know right  
away if your  
computer is  
infected



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SMEs made up over  
half of last year's  
breach victims

Any business with  
sensitive  
information is  
vulnerable to attack

Insider threats are  
just as likely, and  
harder to detect

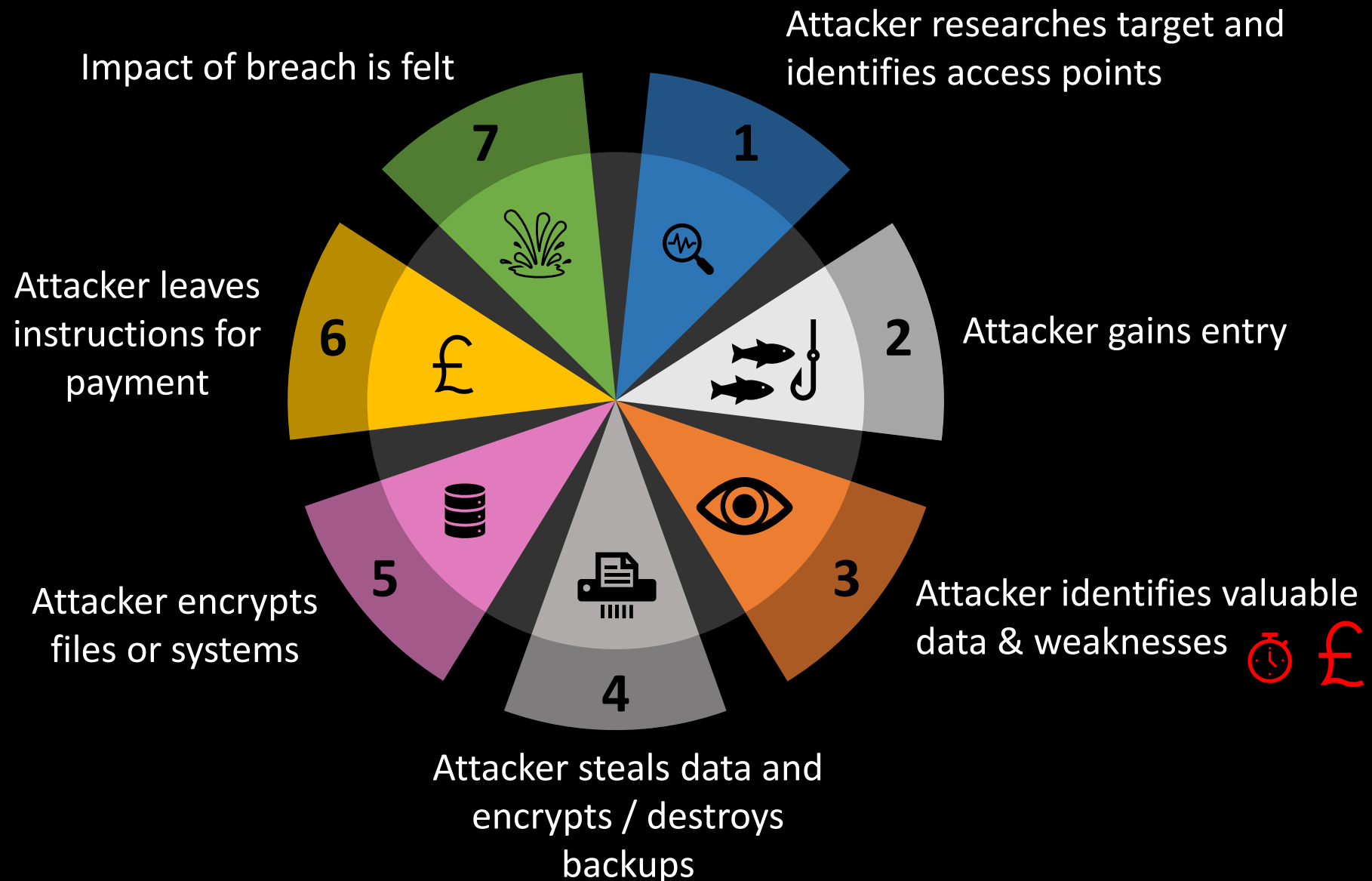
Modern malware is  
stealthy and hard to  
detect

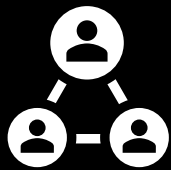
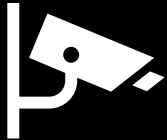
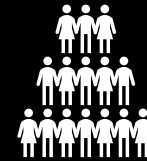
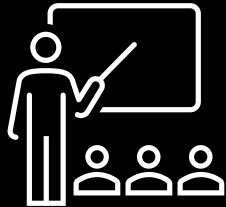
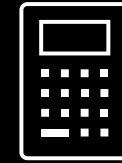
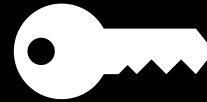


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# What can happen when a ransomware attack occurs?





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# Redcar cyber-attack 'cost council £10.4m'

🕒 5 August 2020

## Redcar cyber-attack: Council using pen and paper

By Joe Tidy  
Cyber-security reporter

🕒 14 February 2020

## Redcar cyber-attack: System 'could be down for weeks'

🕒 20 February 2020

## Redcar council excludes public from cyber-attack discussion

🕒 7 March 2020

The BBC reported Friday that the Redcar and Cleveland Borough Council unanimously decided not to disclose the impact of the ransomware attack at the moment with Steve Newton, the assistant director of Governance at the Council stating that the criminal investigation is still underway. The ransomware attack, which took place on February 8 and rendered the Council's services offline, is presently being investigated by officials from the National Crime Agency, National Cyber Security Centre.

News > Teesside News > Redcar and Cleveland Council

## Details of cyber attack given during furious council security

## Redcar cyber-attack: Government to help cover costs

🕒 8 April

## Redcar and Cleveland Council's website targeted by 'cyber-attack'

🕒 12 February 2020

## Redcar cyber-attack: Watchdog probes council 'ransomware'

🕒 17 February 2020

## Redcar council IT hack confirmed as ransomware attack

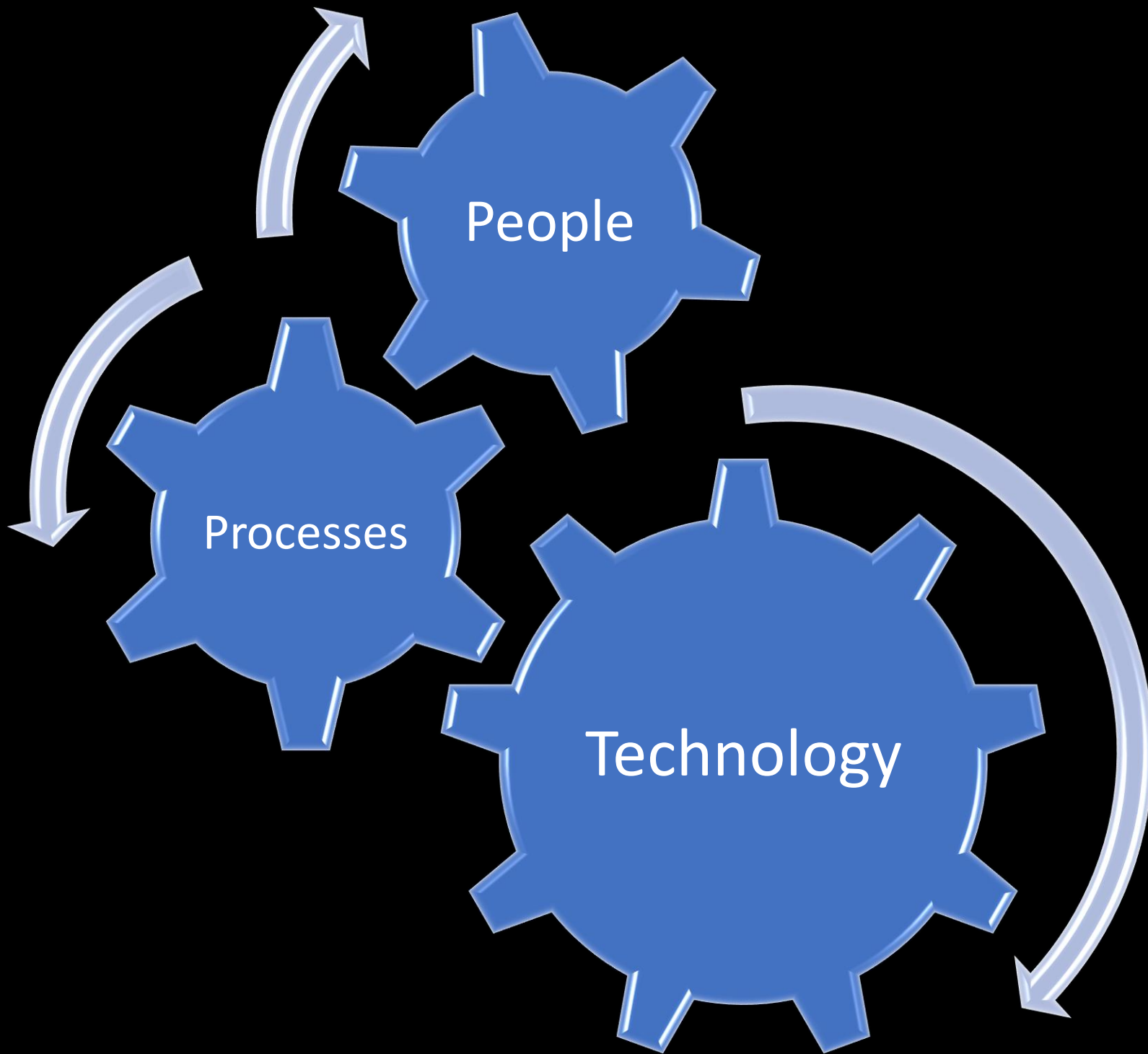
🕒 26 February 2020

## Redcar council cyber-attack: 90% of systems working

🕒 3 May 2020







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National Cyber  
Security Centre  
a part of GCHQ

Staff  
training

Cyber  
security  
audit

Cyber  
Security  
advice



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Presents



# The People Aspect

- Majority of data breaches caused by human error
- ICO Report of data breaches Q2 2020-21
  - Finance 304
  - Retail & manufacture 291
  - Legal 186
  - Health 442
- Impact of Covid-19 and working from home
- Employee aspect:
  - Protecting confidential information
  - Dealing with errors that cause loss

# “Top 5” Tips

**Duty to report to ICO**

**GDPR Compliance**

**Monitoring Employees**

**Contracts & Protection**

**Disciplinary Action - dismissal**



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