Are people the problem?

The human aspects of information security

 What factors are influencing people to not comply with information security/data protection best practice?

k Esquire - March 2020:

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"Whether the coronavirus pandemic lasts for two months or two years, the way that we live and work will be altered irrevocably"

The elephant in the room

- \$1.8 million lost every minute to cybercrime
- Security breaches cost companies approx. £20 every minute
- 3) Approx. £1 million is lost every hour to phishing attacks
- 4) **More than half** of businesses admit that employees are their biggest risk to their information security
- 5) 65% of data security incidents reported to ICO in 2018 resulted from 'incorrect disclosure of data', as opposed to 13% caused by malware, ransomware, phishing and brute force attacks
- o Two-thirds of all data breaches reported to ICO in 2019 resulted from 'human error'

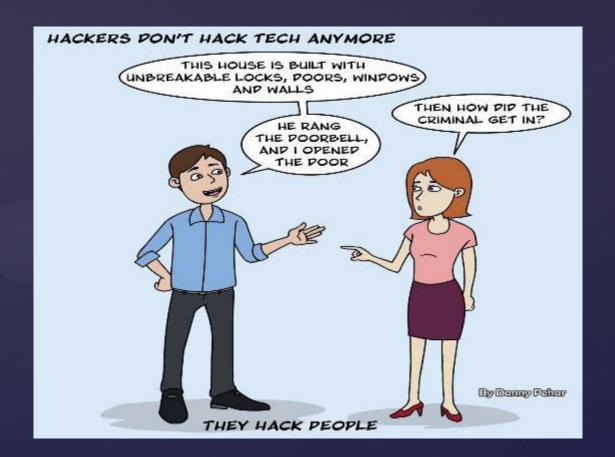
Some numbers...

- Majority of threats come from human error

What do those numbers tell us?

- The changes to the world of work have increased the cyber attack surface exponentially for most organisations
- Read The pandemic brought specific threats to the fore, and increased them

The problem is growing



- 1) May 25th 2018 was the "finish line"
- 2) It's an additional and unwanted burden
- 3) Over-reliance on tech solutions
- 4) Lack of understanding
- 5) "It's not my job"
- 6) Lack of training / poor training

So why don't people comply?

People are the problem

BUT

They are also the solution

So where does this leave us?



- Research has shown that making training personally relevant enhances its efficacy
- 2) Raise awareness and understanding
- 3) Understand the business needs

1) Make it personal

- Cyber security threats are constantly evolving – policies need to adapt accordingly
- 2) One size does not necessarily fit all
- No more "ivory towers"
- 4) Make it intelligible and applicable

2) Update policies and procedures

- Only 11% of companies continuously train employees to recognise cyber threats. 52% of companies only train once per year
- 2) Training should be ongoing and evolving
- Understand and employ approaches from behavioural science "nudging"

3) Continuous training

- Identify the key factors influencing your strategy
- 2) Learn from other organisations and disciplines
- 3) Iterate your approach "fail fast" and adapt
- 4) Make it relevant and intelligible

4) A clear strategy is key

- At a very fundamental level, you can make more progress towards long-term cyber security solutions if you take the time to understand the problems and their causes, rather than simply trying to solve them
- 2) Be flexible it's not all about you
- Try to say "Yes, if..." rather than "No"

5) Start with "Why?"



- 1) Horizon scan
- 2) Have a clearly articulated business need
- 3) Use tools that support behavioural change
- 4) "Data protection by design"

Focus on what tech is for

- Staff can be the single most significant
 cyber security risk factor but also the key
 ally in achieving compliance
- The solution is a "whole organisation" approach not solely the remit of information security/data protection

In conclusion

Thank you | Jonathan Craven | Thank you |

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