Cyber security – reducing the risk of security breaches

BAM/IT WEBINAR
THE WEBINAR WILL BEGIN SHORTLY…

Business & Management
IT Faculty

Cyber security – reducing the risk of security breaches

13 June 2017

The webinar will begin shortly…

+44 (0) 118 900 1900 (UK Office)
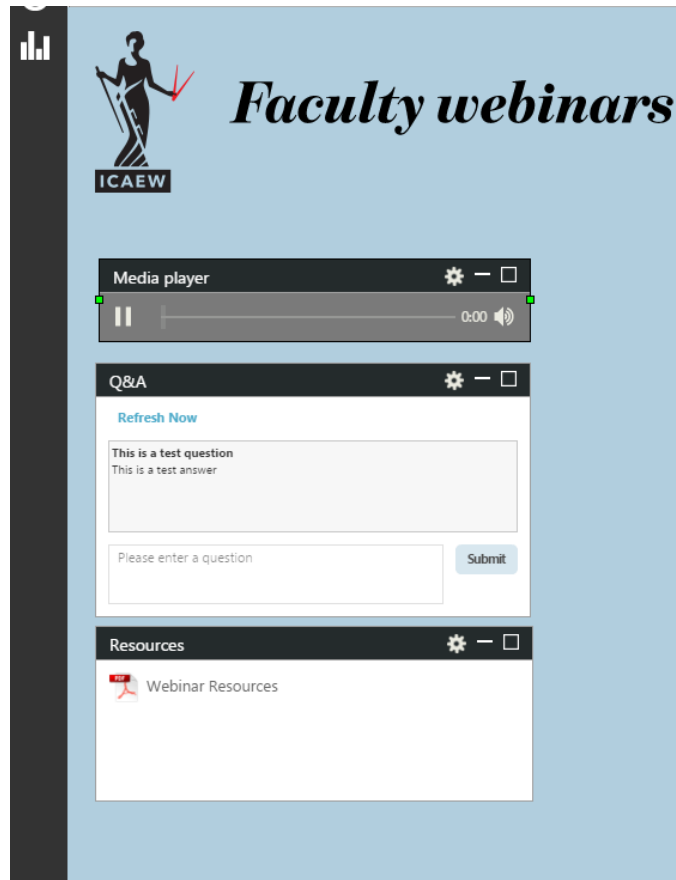uk-info@prophix.com

Ask a question or download resources

Audio problems?
- ensure your volume is turned on
- if you experience poor sound quality you may benefit from refreshing your page

Today's presenter – Mark Taylor

- IT Faculty, Technical Manager

- Formally Senior Service Delivery Manager, PwC

- FBCS Chartered IT Professional

Topics

- Why is cyber security important?
- Pass phrases
- BYOD
- Data leakage
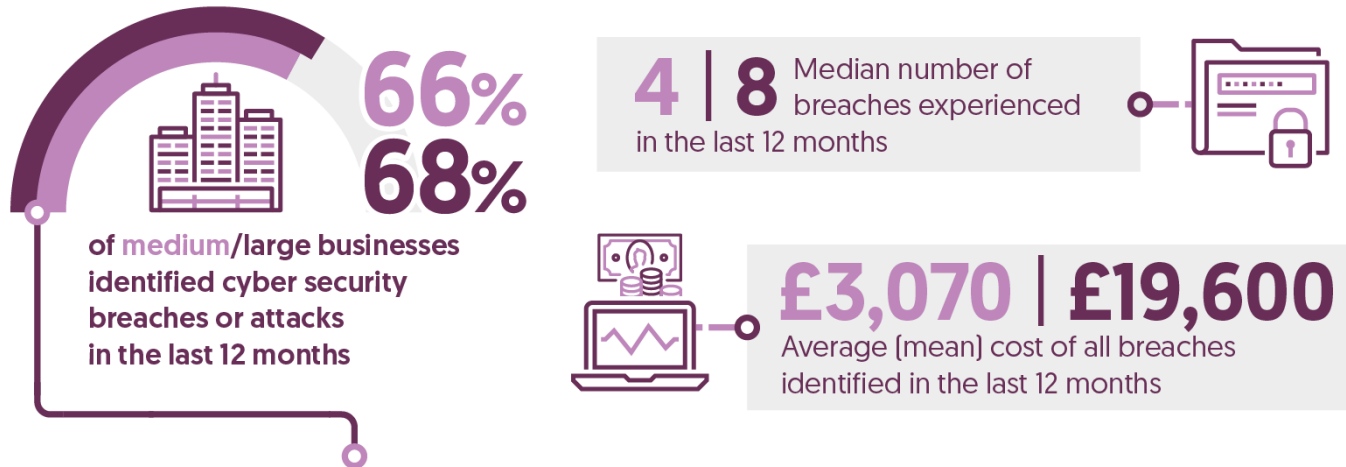- Ransomware
- Organisational boundaries

Has your business been subject to an external hack or suffered any breach of computer security in the past year?

1. No
2. Yes – once
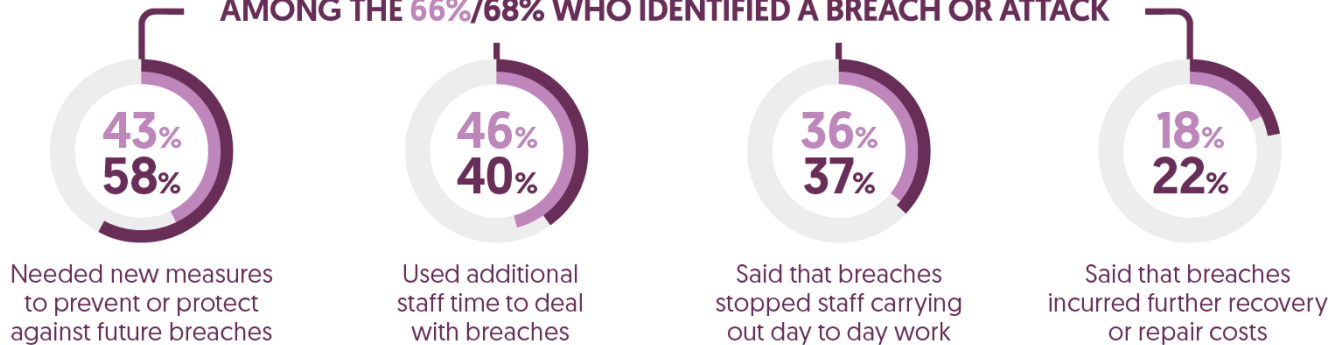3. Yes – more than once
4. Don't know / not sure

Why is cyber security important?

EXPERIENCE OF BREACHES

66%
68%

of **medium**/**large** businesses
identified cyber security
breaches or attacks
in the last 12 months

4 | 8 Median number of
breaches experienced
in the last 12 months

£3,070 | £19,600
Average (mean) cost of all breaches
identified in the last 12 months

AMONG THE 66%/68% WHO IDENTIFIED A BREACH OR ATTACK

43%
58%
Needed new measures
to prevent or protect
against future breaches

46%
40%
Used additional
staff time to deal
with breaches

36%
37%
Said that breaches
stopped staff carrying
out day to day work

18%
22%
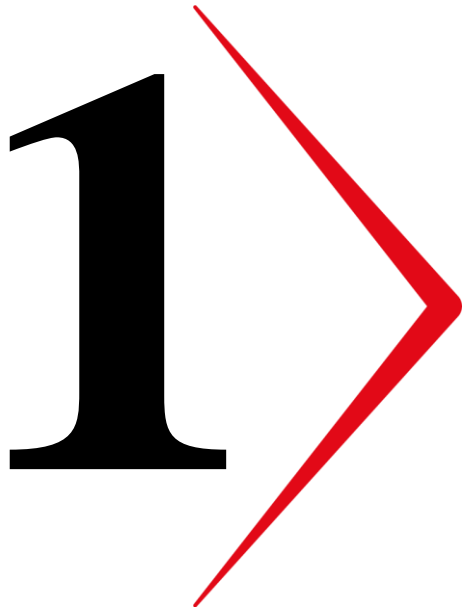Said that breaches
incurred further recovery
or repair costs

Why is cyber security important?

Confidentiality, reputation and business risk

Awareness, technology and processes will help protect that reputation. Communication plan

Passwords

1

Pass phrase in place of pass word

- Complex pass phrases
- Use two factor authentication (2FA)
- Change defaults
- Don't reuse
- Don't share
- NCSC advice – "ensure you understand the impact of complex passwords on staff"
- Password managers are good

Pass phrases

Pa55w0rd1 is not enough

"Correct Horse Battery Staple"

Bring Your Own Device (BYOD)

2

Bring your own security exposure

- End point security
- Separation of work and home
- Cost reduction v. management cost
- Acceptable use policies

Data leakage

3 ▶

Data will leak

- Mobile storage is ubiquitous
- Shadow IT use of cloud services
- Social media
- Mobile devices
- Suppliers
- Control access and monitor
- Polices in place
- Staff awareness

Ransomware

4

Is not the end of the world

- Be suspicious!
- Install updates
- Keep backups and regularly test backups!
- Use anti-malware software
- Disable macros from running automatically
- Least privilege access

The Distributed Organisation

5

Organisational boundaries

- Organisations extend beyond traditional boundaries
- Verification of cloud services remains challenging
- TalkTalk, Debenhams Flowers, Target

Benefits of good cyber security
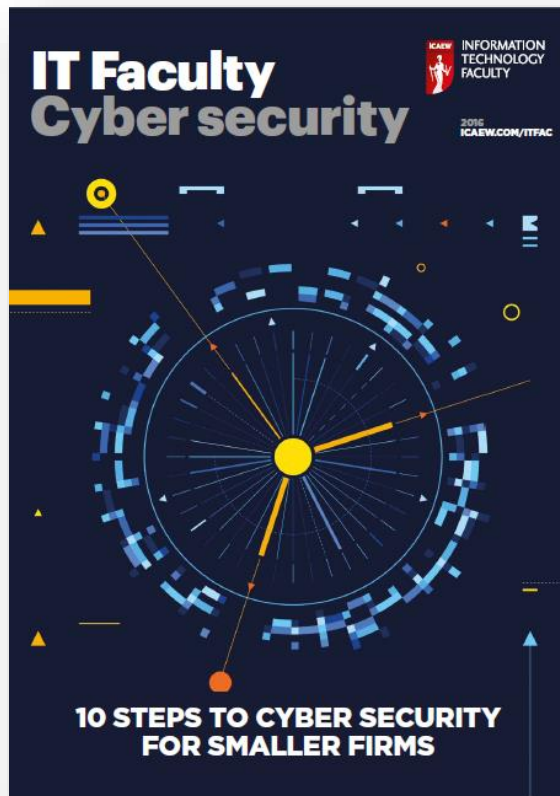
Enhanced business reputation

Increased peace of mind

Reduced business risk

Reduced recovery time. Tested BCP

Don't simply use IT, invest in IT

10 Steps to Cyber Security for Smaller Firms

ICAEW INFORMATION TECHNOLOGY FACULTY

IT Faculty Cyber security

2016
ICAEW.COM/ITFAC

10 STEPS TO CYBER SECURITY FOR SMALLER FIRMS

1. Allocate responsibilities
2. Protect your computers and your network
3. Keep your computers up to date
4. Control employee access to computers and documents
5. Protect against viruses
6. Extend security beyond the office
7. Don't forget disks and drives
8. Plan for the worst
9. Educate your team
10. Keep records – and test your security

icaew.com/cyber

Further help

icaew.com/cyber

Cyber Essentials accreditation

ICO.org.uk

NCSC.gov.uk

cyberaware.gov.uk

Will you be considering changes to your IT security policies?

1. No
2. Yes
3. We don't have a policy
4. This is not my area of responsibility
5. Don't know / not sure

Any questions?

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Free webinars

Stats for business – should you be drunk when analysing trends?
28 June **12:30pm**
Icaew.com/lunchjun

Government accounting – cooking the books?
13 July **12.30pm**
Icaew.com/lunchjul

Business tax update
27 September **10am**
Icaew.com/bamsepwebinar

Time management
9 October **10am**
Icaew.com/bamoctwebinar

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Courageous leadership
21 September
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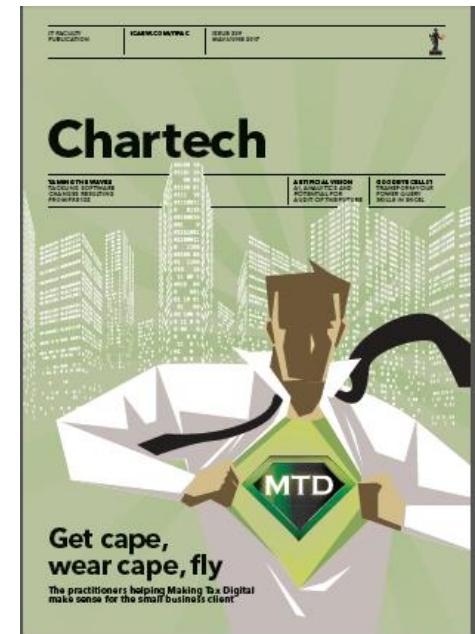
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THANK YOU FOR ATTENDING

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