Jisc

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BYOD: Spot the Difference

Andrew Cormack, Chief Regulatory Adviser
@Janet_LegReg

Spot the Difference?

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What are the risks?

Theft/Loss

Sharing Device

Overhearing

Compromise

Inappropriate Storage

Departure

What are the risks?

BYOD

- ✓ Theft/Loss
- ✓ Sharing Device
- ✓ Overhearing
- ✓ Compromise
- ✓ Inappropriate Storage
- ✓ Departure

What are the risks?

BYOD		Mobile
✓	Theft/Loss	✓
✓	Sharing Device	?
✓	Overhearing	✓
✓	Compromise	✓
✓	Inappropriate Storage	✓
✓	Departure	?

What controls can we use?

Password/Encryption

Secure Delete

Patching/Anti-Virus

"Context Awareness"

Secure Communications (SSL)

Software Control/Separation

What controls can we use?

	Mobile
Password/Encryption	✓
Secure Delete	**?**
Patching/Anti-Virus	**?**
"Context Awareness"	✓
Secure Communications (SSL)	✓
Software Control/Separation	**?**

What controls can we use?

BYOD		Mobile
✓	Password/Encryption	✓
?	Secure Delete	?
?	Patching/Anti-Virus	?
✓	"Context Awareness"	✓
✓	Secure Communications (SSL)	✓
?	Software Control/Separation	?

What *is* the difference?

Some controls inappropriate for personal devices
» Deep monitoring (program or network activity)
» Location tracking (at least until it's reported lost!)
» Physical destruction!

But do you do those anyway?

Some other differences
» Which group has more powerful hardware?
» Which group is more motivated?

Talking of motivation…

Your devices in their hands

» BT Survey found 81% didn't care about "mobile security"

» Users more aware than CEOs!

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Your devices in their hands

» BT Survey found 81% didn't care about "mobile security"

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Users care about own devices/data

» Help them protect those

» And reap the benefits

And of course you need…

Good wifi

» Firewalled from internal LAN

Server-side measures

» If data shouldn't be stored remotely

Support for a wide range of devices

But you have those already ☺

The BYO Difference

A significant new opportunity

Maybe not a significant new risk

It's happening anyway

Why not design for it?

Questions?

References

BT paper

» http://www.btplc.com/News/Articles/ShowArticle.cfm?ArticleID=F5E90F45-966A-4872-8CF6-C2C32F608541

ICO on BYOD

» http://ico.org.uk/for_organisations/data_protection/topic_guides/online/byod

CESG

» https://www.gov.uk/government/collections/bring-your-own-device-guidance

Me

» https://community.ja.net/blogs/regulatory-developments/tags/BYOD