

Full Disk Encryption

Larry Carson, Associate Director, Information Security Management

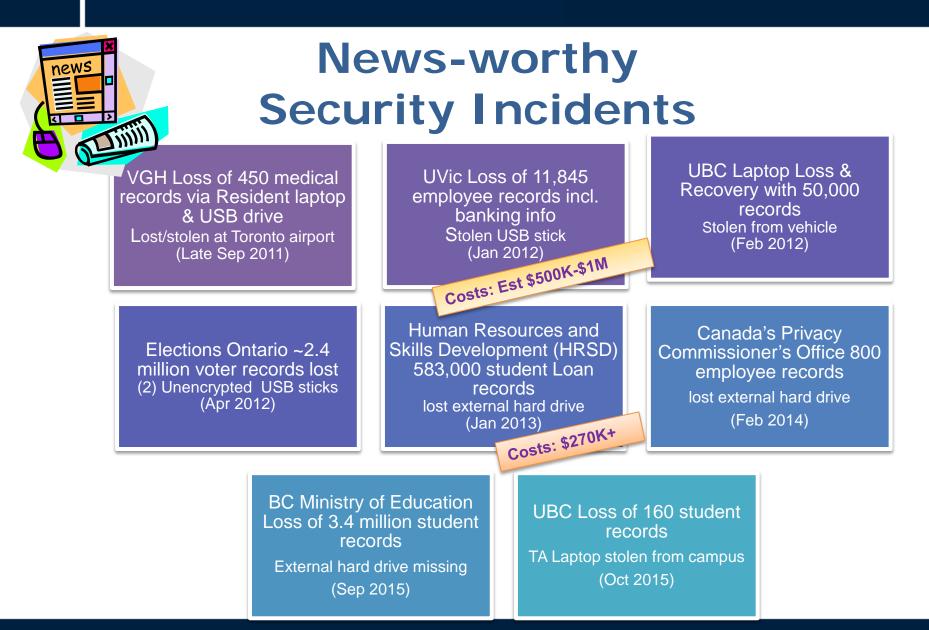




What Security Really Looks Like at UBC











Definition of Personal Information

"recorded information about an identifiable individual, not including contact information"

Contact information: "information to enable an individual at a place of business to be contacted, including the name, position name or title, business telephone number, business address, business email or business fax number of the individual"





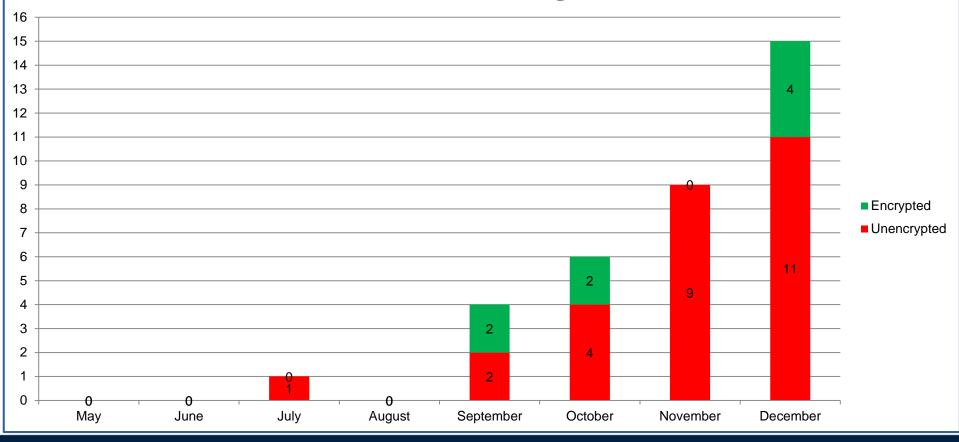
10 Things You Must Know about Privacy

- 1. You must be able to identify personal information
- 2. Your regular work activities are not private
- 3. Embarrassment is not a valid reason to withhold records
- 4. Use privacy notifications to collect personal information
- 5. Retain personal information for at least one year
- 6. Disclose personal information on a "need to know" basis
- 7. Protect personal information using reasonable security
- 8. Don't store personal information outside Canada
- 9. Report privacy breaches promptly
- 10. Do privacy impact assessments for new projects

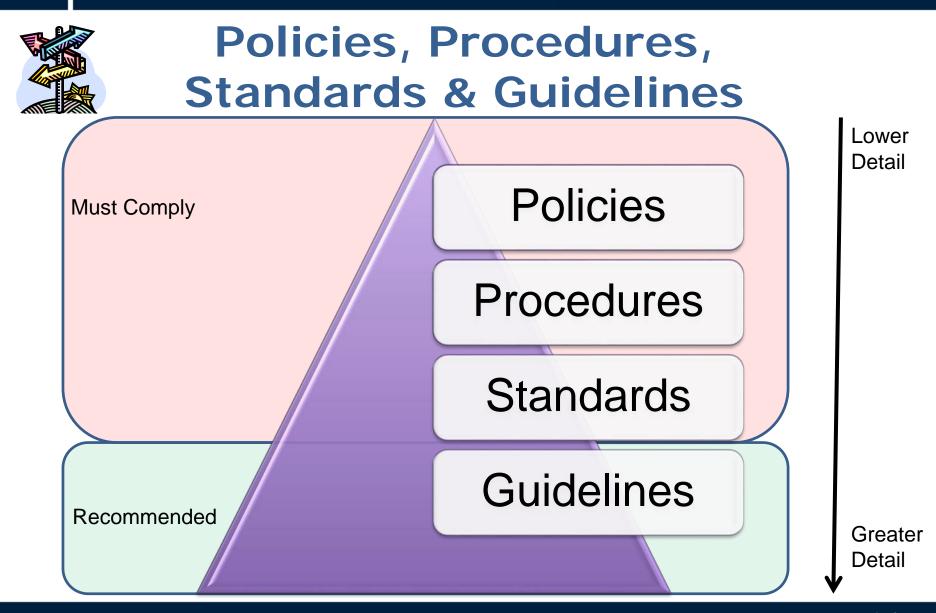


UBC Recent Stats on Thefts (2015)

Thefts of Devices Storing UBC Data











UBC Policies & Standards

#104 Acceptable Use and Security of UBC Electronic Information and Systems (June 2013) <u>http://cio.ubc.ca/securitystandards</u>

(10) Standards for All Users

(11) Management & Technical Standards









Device Encryption: What to Encrypt

Encrypt Laptops – UBC provides a commercial solution at no cost

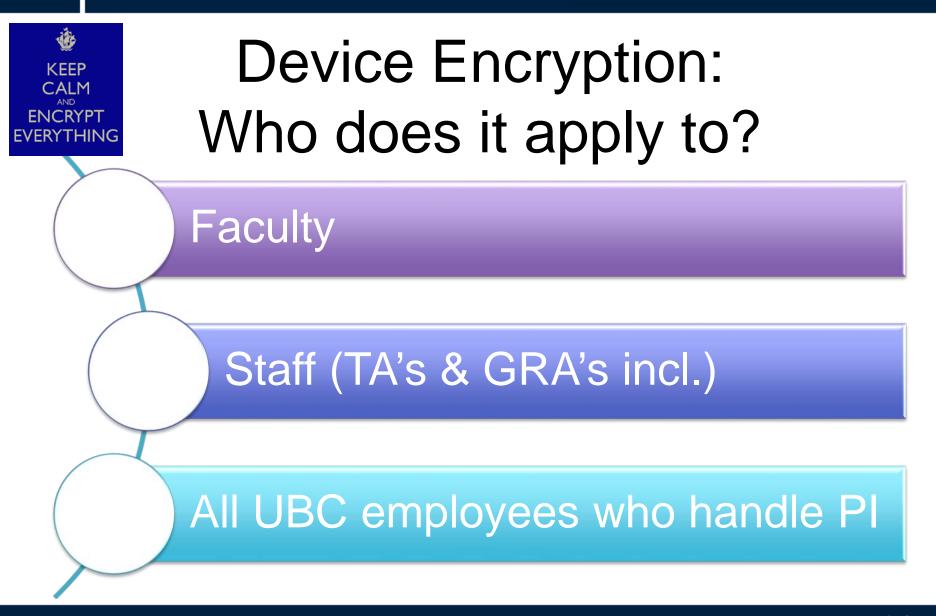
• Encrypt High risk desktops/servers

Encrypt Storage Devices

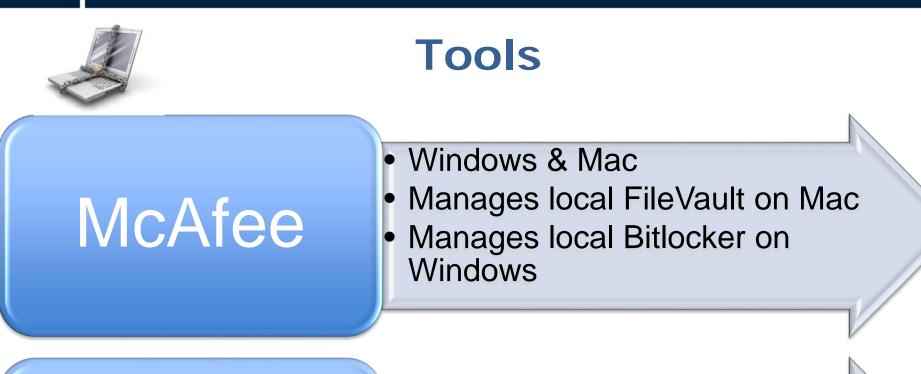
Encrypt Smartphones/Tablets

Encrypt Personally owned devices if they contain UBC Personal Information (PI)





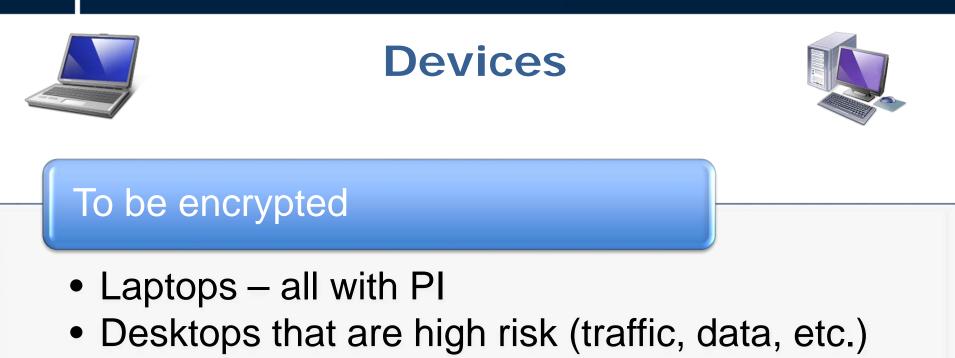




Symantec PGP

- Original pilot was 1000 seats
 Was used for Windows, Mac
 - and Linux
- Is now on hiatus





Exemptions

• Eligible: laptops that do not/will not contain Pl. e.g. certain research lab computers



Other Considerations

Don't keep more data than you need on mobile devices

- Delete records that aren't needed
 - Backup old class lists to network shares and delete them from the device
- Delete Columns/Attributes that aren't needed especially high sensitivity PI (PHI, SIN, DoB, etc.)

Don't store class lists in the cloud (e.g. DropBox, Google, etc.)

Use Workspace 2.0 – the data stays in Canada (at UBC)



Impacts

Breach notification

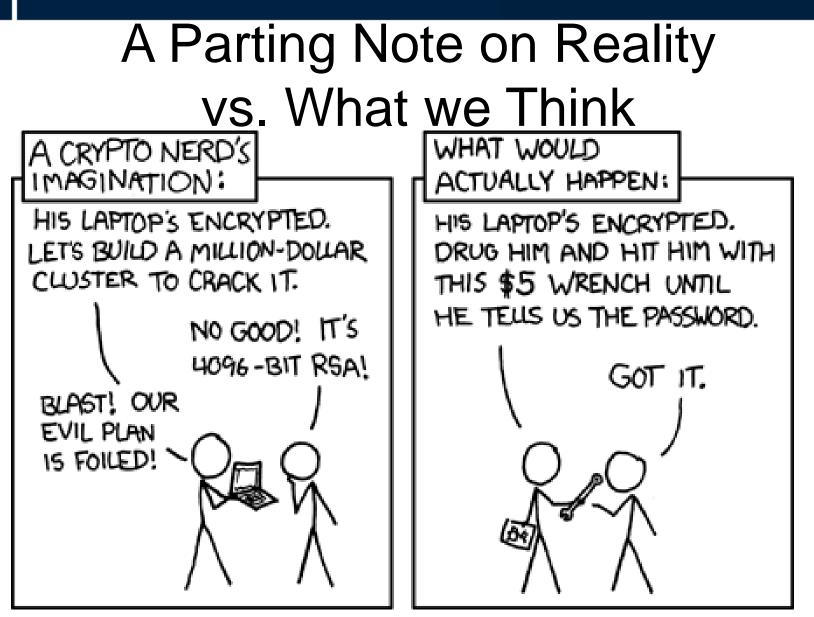
Fines of up to \$500,000

Costs to the Dept

Reputation damage

Grants





HTTP://XKCD.COM/538/

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Information Security Questions?

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