ITS INFORMATION TECHNOLOGY SERVICES

Queen's UNIVERSITY

# WHOLE DEVICE ENCRYPTION

## Making Best Practice Common Practice

Steve Ferguson
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Electronic Information Security Policy Framework

States

“all Custodians and Users provide appropriate protection for Sensitive Information in their care”

## Common Misconceptions

- It will never happen to me
- Nothing I save is sensitive
- My computer is password protected

# How Do I Protect My Data?

**Option 1** – Encrypt the device

- Windows BitLocker
- Apple FileVault2
- Mobile Device

**Option 2** – Encrypt the file

- Microsoft Office and Adobe Acrobat have the ability

# Microsoft Windows based computer – Windows BitLocker

- Queen's employees are licensed for supported version
- It is free
- Simple to enable, but may require technical assistance
- Includes the ability to encrypt attached devices and USB keys
- Recovery keys can be managed (AD)

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# Apple OS 10.X based computer – FileVault 2

- Built into the retail version of OS
- It is free
- Very simple to enable - just tick the check box!
- Includes the ability to encrypt attached devices and USB keys
- Recovery keys are not managed, but can be backed up

## Mobile devices – Smartphones and Tablets

- Often built into the device
- Very simple to enable
- **May exclude some storage areas – eg. Memory card in some devices
- Recovery keys are not managed

## Where to Start?

- Give the IT Support Centre a call for direction @36666
- Speak to your departmental IT
- Follow the online tutorials from ITServices
- Purchase new computers from the Campus Computer Store, requesting drive encryption