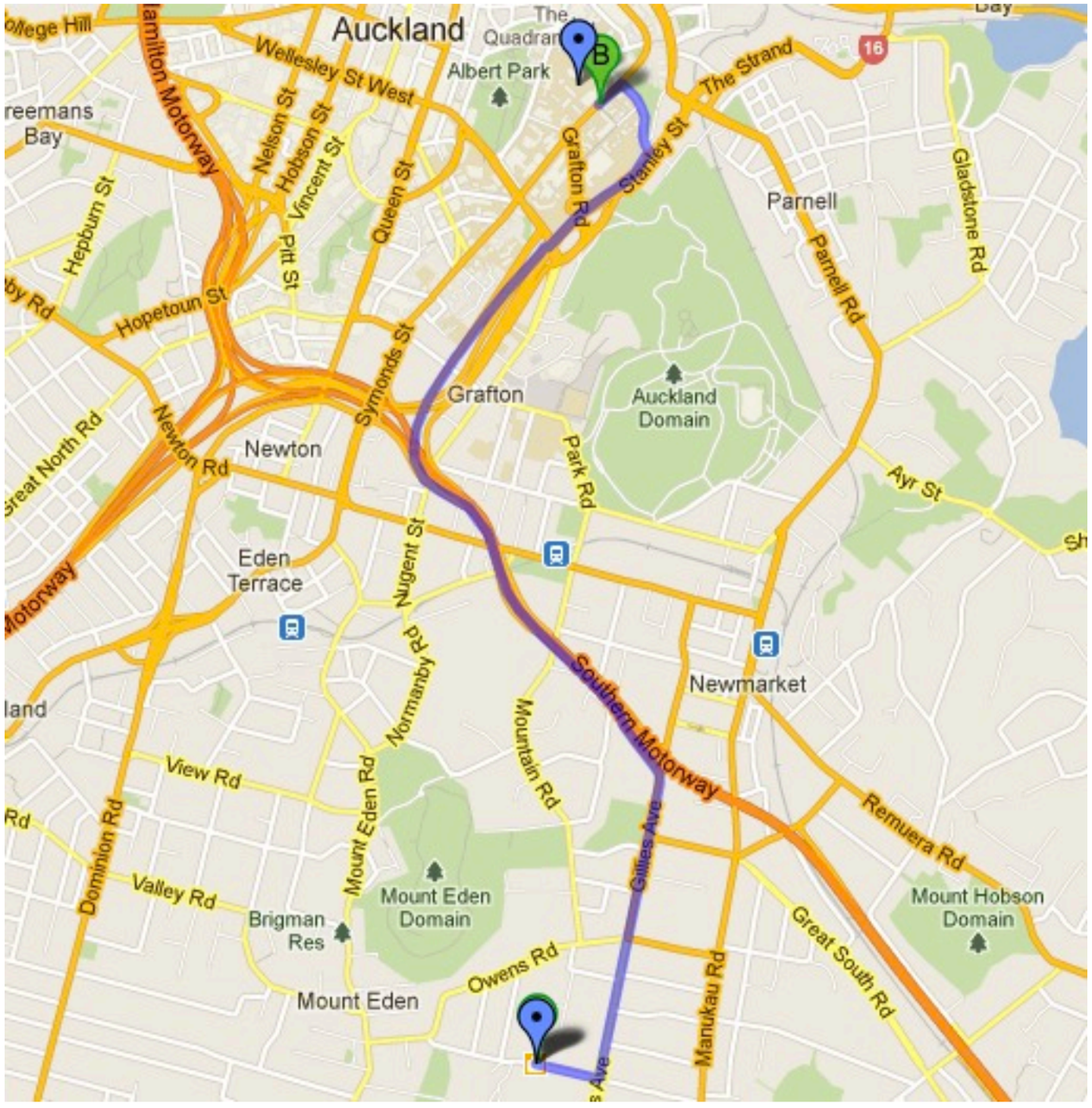
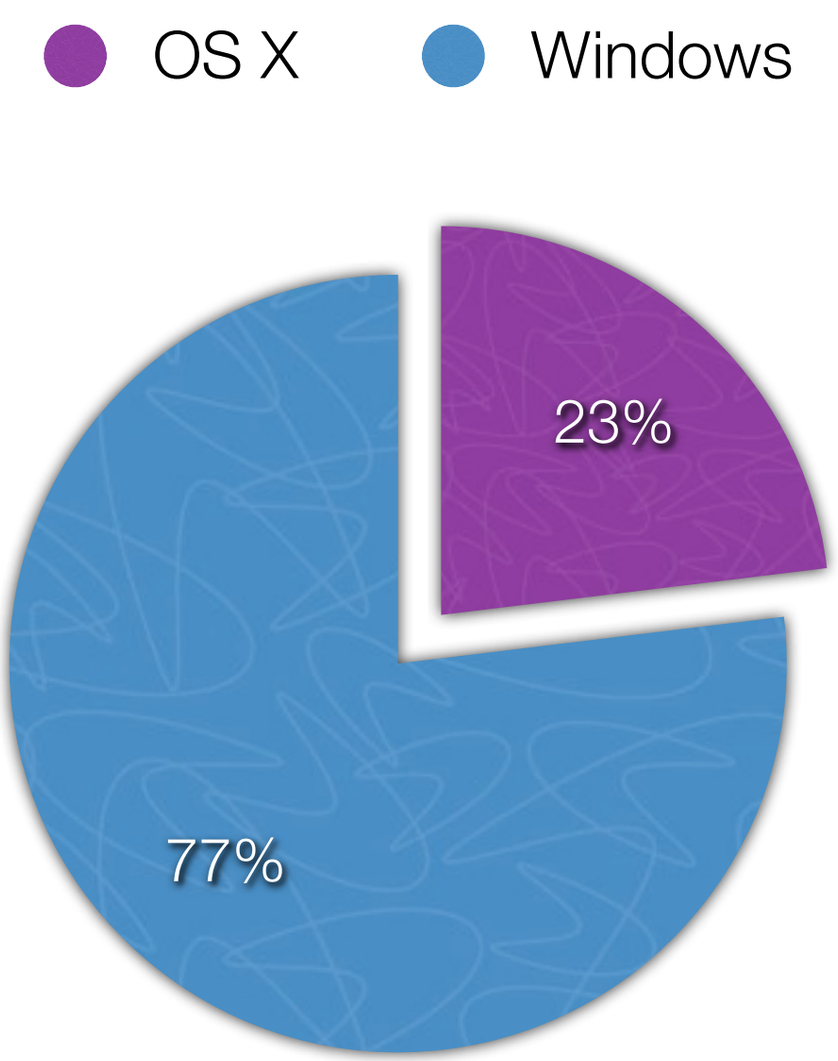
THE UNIVERSITY OF AUCKLAND
FACULTY OF EDUCATION
Te Kura Akoranga o Tāmaki Makaurau
Incorporating the Auckland College of Education

Supporting Apple Tech

Best Practices for Security and Mobility at Faculty of Education
The University of Auckland
William McGrath

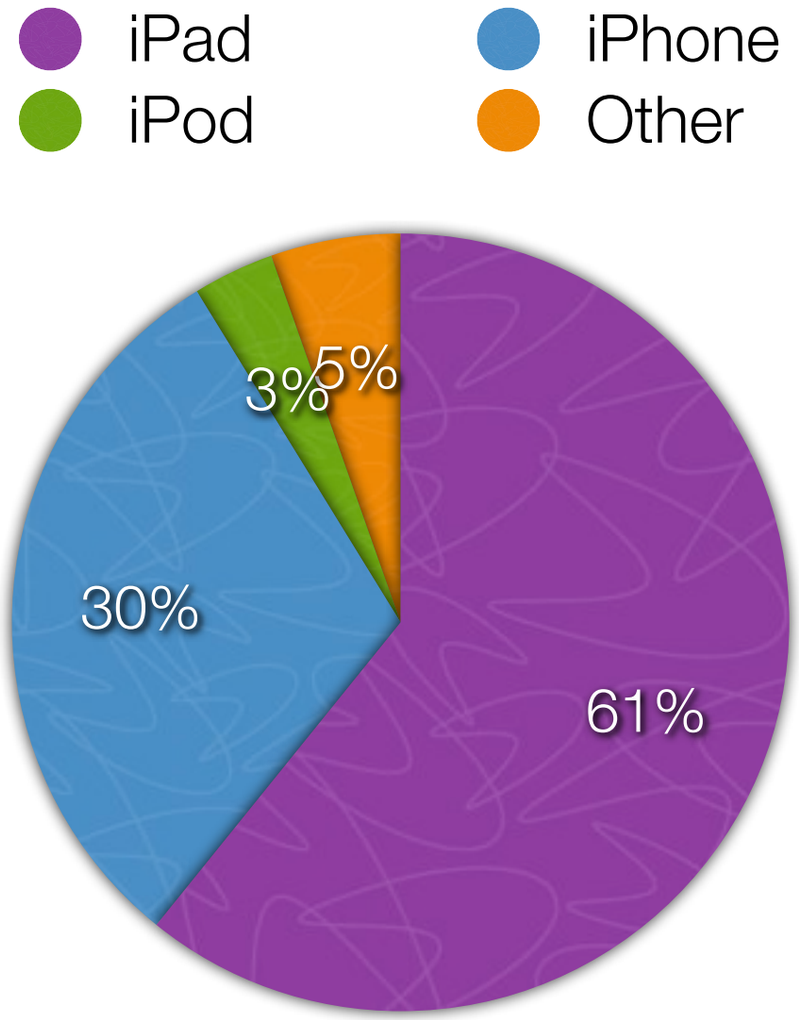

Auckland
The Quadrant
Albert Park
B
Wellesley St West
Hamilton Motorway
Nelson St
Hobson St
Vincent St
Queen St
Grafton Rd
Stanley St
The Strand
16
Parnell
Parnell Rd
Gladstone Rd
Hepburn St
Hopetoun St
Pitt St
Symonds St
Grafton
Auckland Domain
Park Rd
Ayr St
Newton
Newton Rd
Great North Rd
Eden Terrace
Nugent St
Normanby Rd
Mountain Rd
Southern Motorway
Newmarket
Gillies Ave
Manukau Rd
Great South Rd
Remuera Rd
Mount Hobson Domain
View Rd
Dominion Rd
Valley Rd
Mount Eden Rd
Mount Eden Domain
Brigman Res
Owens Rd
Mount Eden
Freemans Bay

Mac Usage: Students



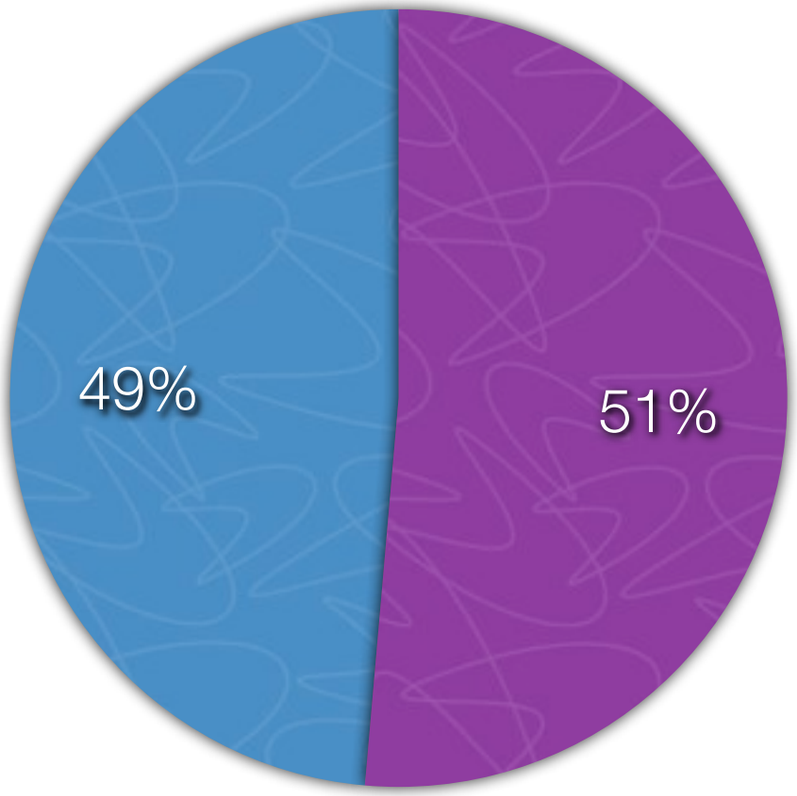
n = 39000 in March 2012 accessing FoEd Moodle

Mobile Usage: Students



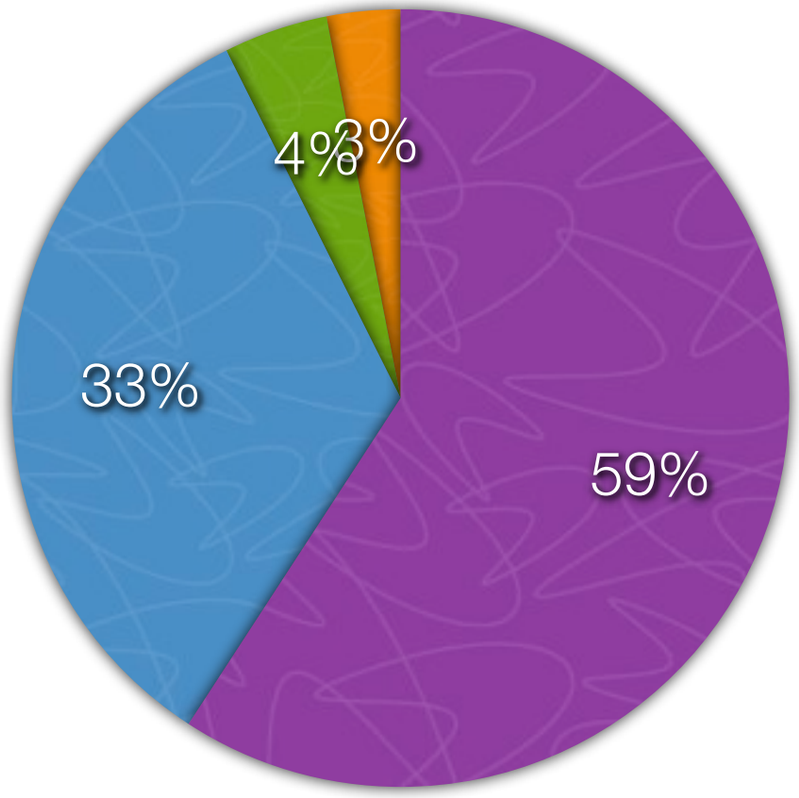
n = 1400 in March 2012 accessing FoEd Moodle

Mac Usage: Staff



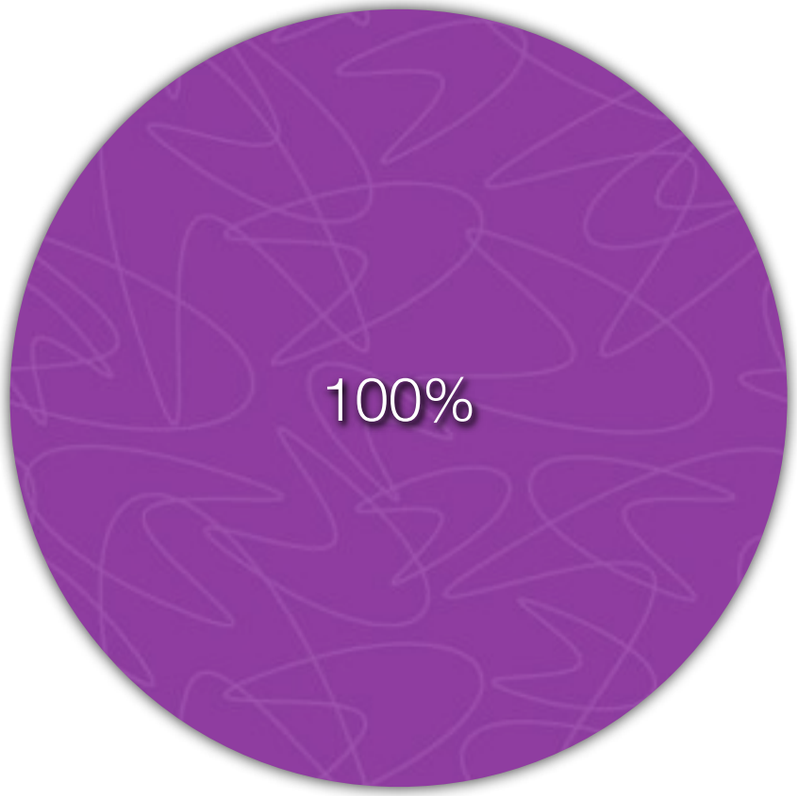
n = 759

Mac Usage: Staff



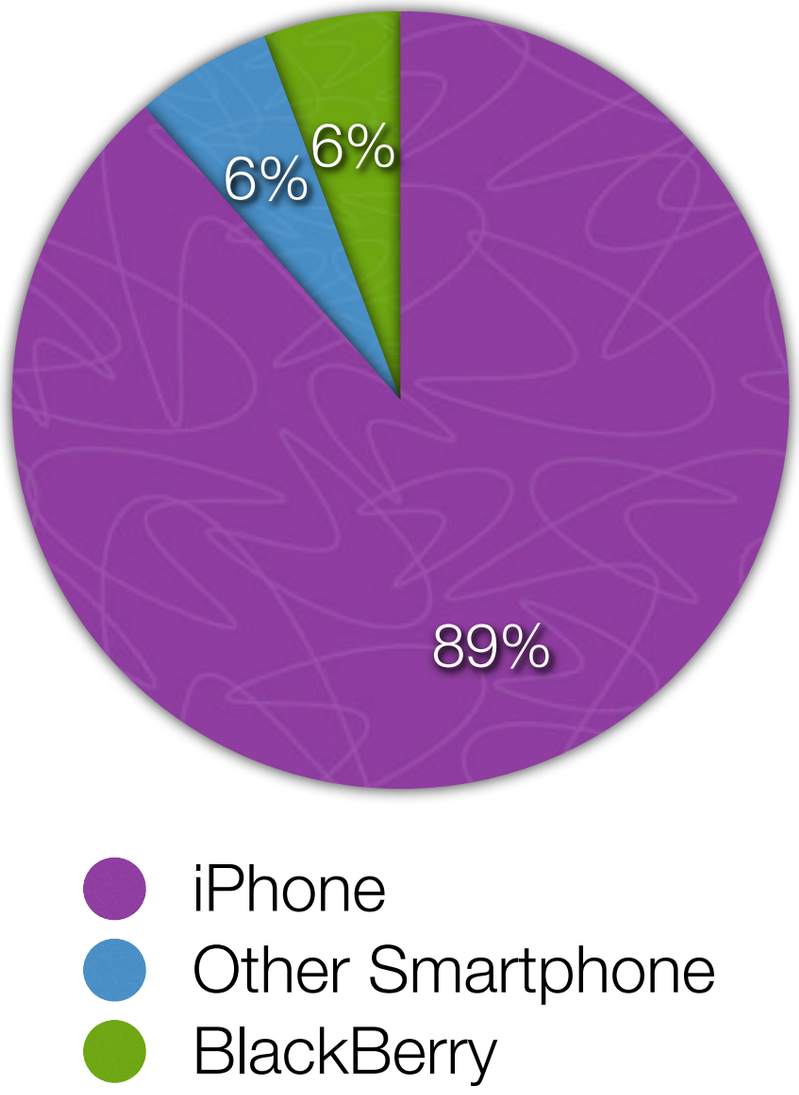
n = 750

Mobile Usage: Staff



n = 126

Mobile Usage: Staff



n = 105

Policy, policy, policy

shall be secured in a manner that is considered reasonable and appropriate to the level of sensitivity, value and criticality that the Institutional Data has to the University.

c. Individuals who are authorized to access Institutional Data shall adhere to the appropriate
related gui

- laptop set-up
- data replacement

REVIEW AND RE

The ICT Risk Mana

Objectives:

- To ensu

Finally, there are the risks (reputation, commercial, privacy and others) associated with the exposure or loss of sensitive, unique or personal information the laptop contained. The loss this represents, although difficult to assess, has the potential

- student or staff personal details
- any information that the user would wish to remain private
- intelle
  inform
- medic
  inform
- sensit

To counter these risks, laptop security must be addressed in five ways;

- user responsibility; through increased user awareness of the risks and application of a laptop security interim standard (this document)
- physical security; both at the user's "base" and when travelling
- access control/authentication;
- data protection; using software and hardware based solutions
- tracking/recovery; particularly for devices at high risk or containing very sensitive data

Access Control

FOED

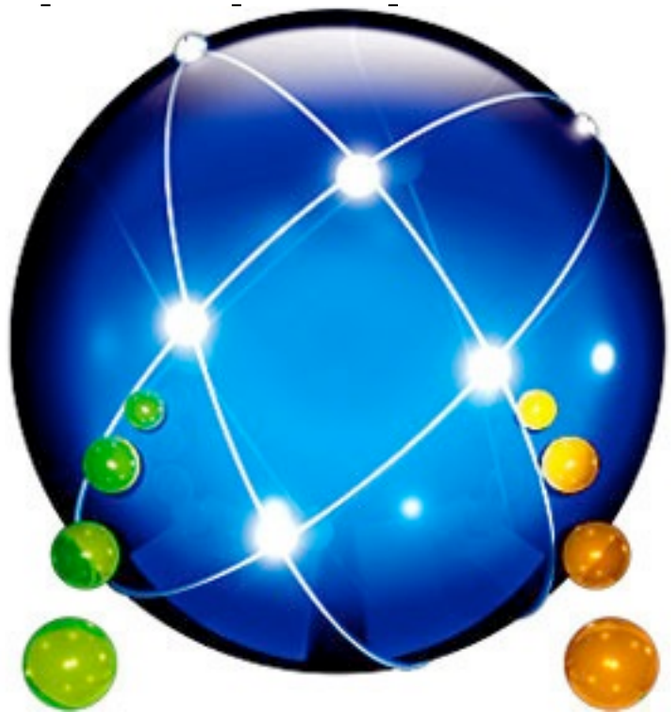
Apple Citizenship in a Microsoft world

Strategy

MDM

It all starts here...

- `foed_bind_ad.sh`
- `foed_bin`
- `enable_f`
- Profile insta



Example: Mac Lab

- Needs to be shutdown every night at 8pm
- Needs to be on at 7am
- Prevent access to system preferences
- A session “skeleton”
- Software Update settings

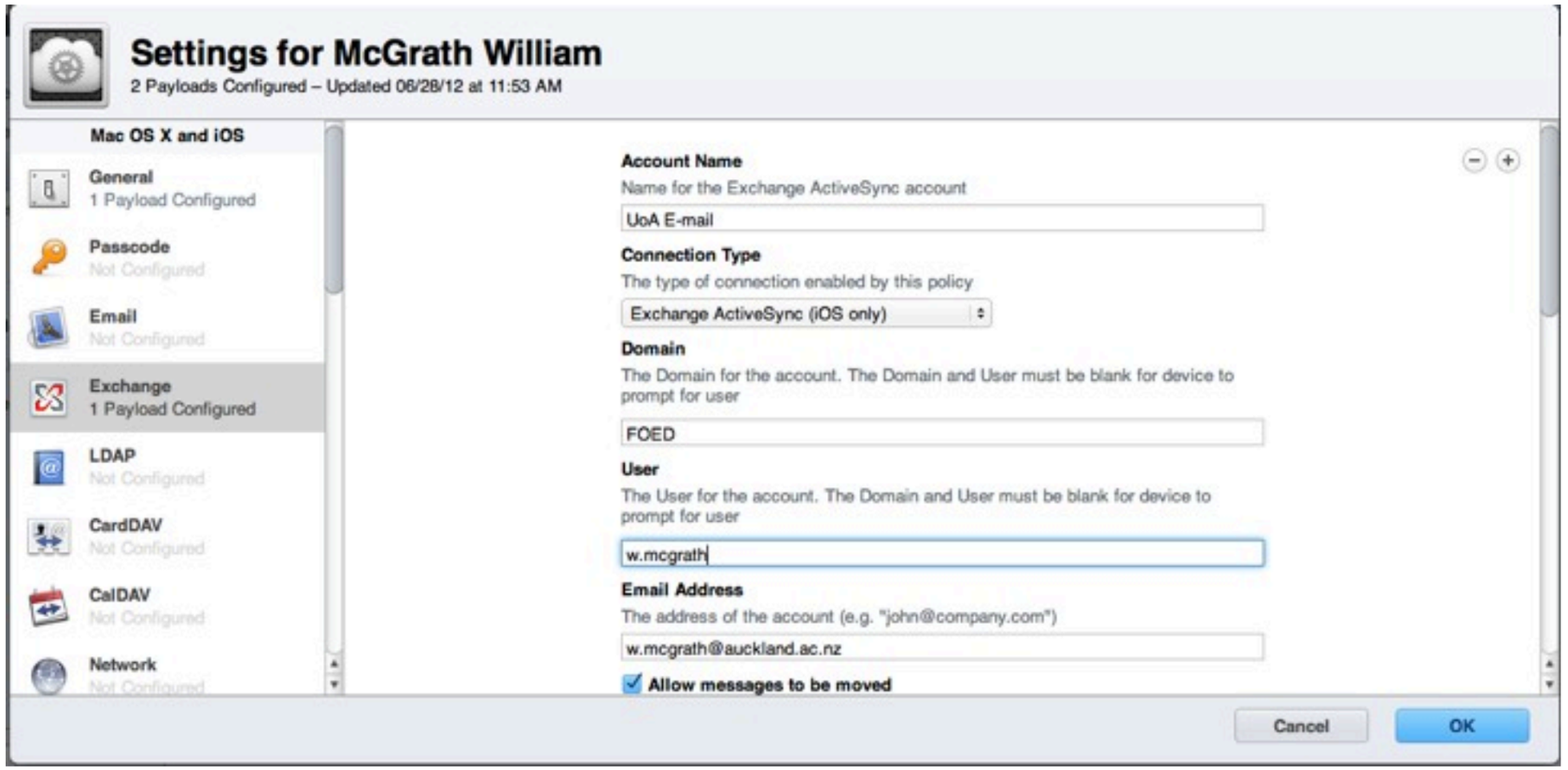
Example: Staff notebook

- Software Update settings
- Password enforcement
- Screensaver enforcement
- Other key settings (wifi)

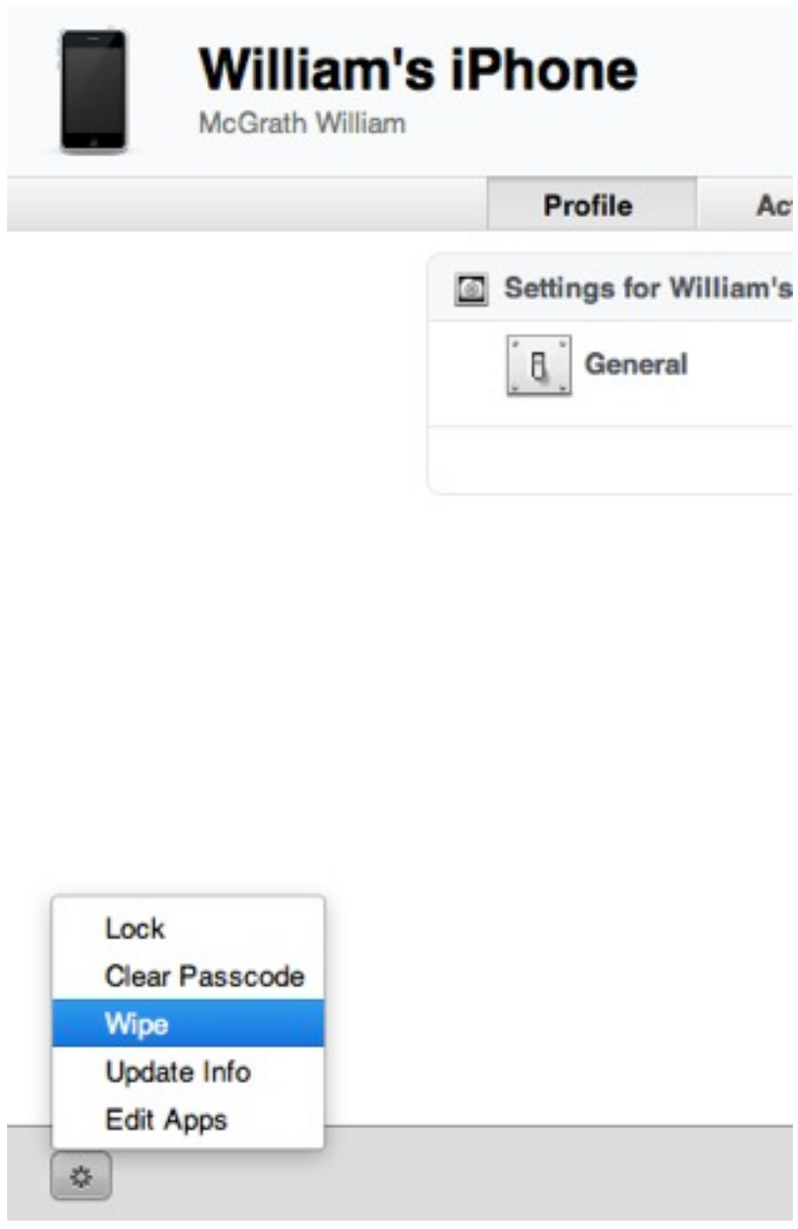
Example: Lecture Theatre

- Software Update settings
- “Kiosk mode” Finder
  (User can logoff/reboot,
  not shutdown)
- System Prefs etc

Settings Management



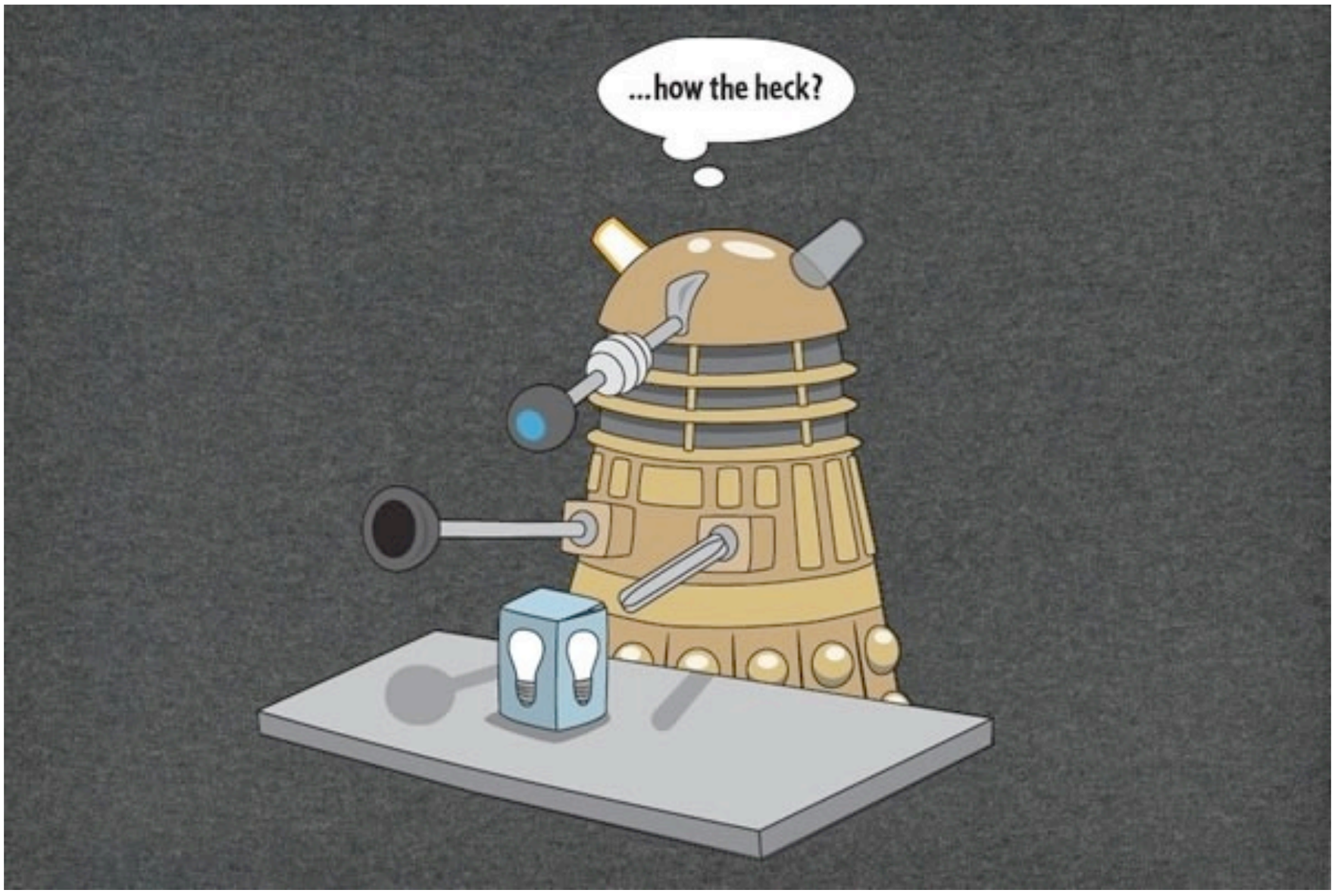
Secure Wipe/Lock



Web Clips


Education
Faculty Events
Faculty News
PG Courses
Useful Links
Full Site
Staff Directory
YouTube
Hours
Campus Tour
Map
Emergency
Facebook
Bookmark
Managed by Faculty ITS

All this means nothing...



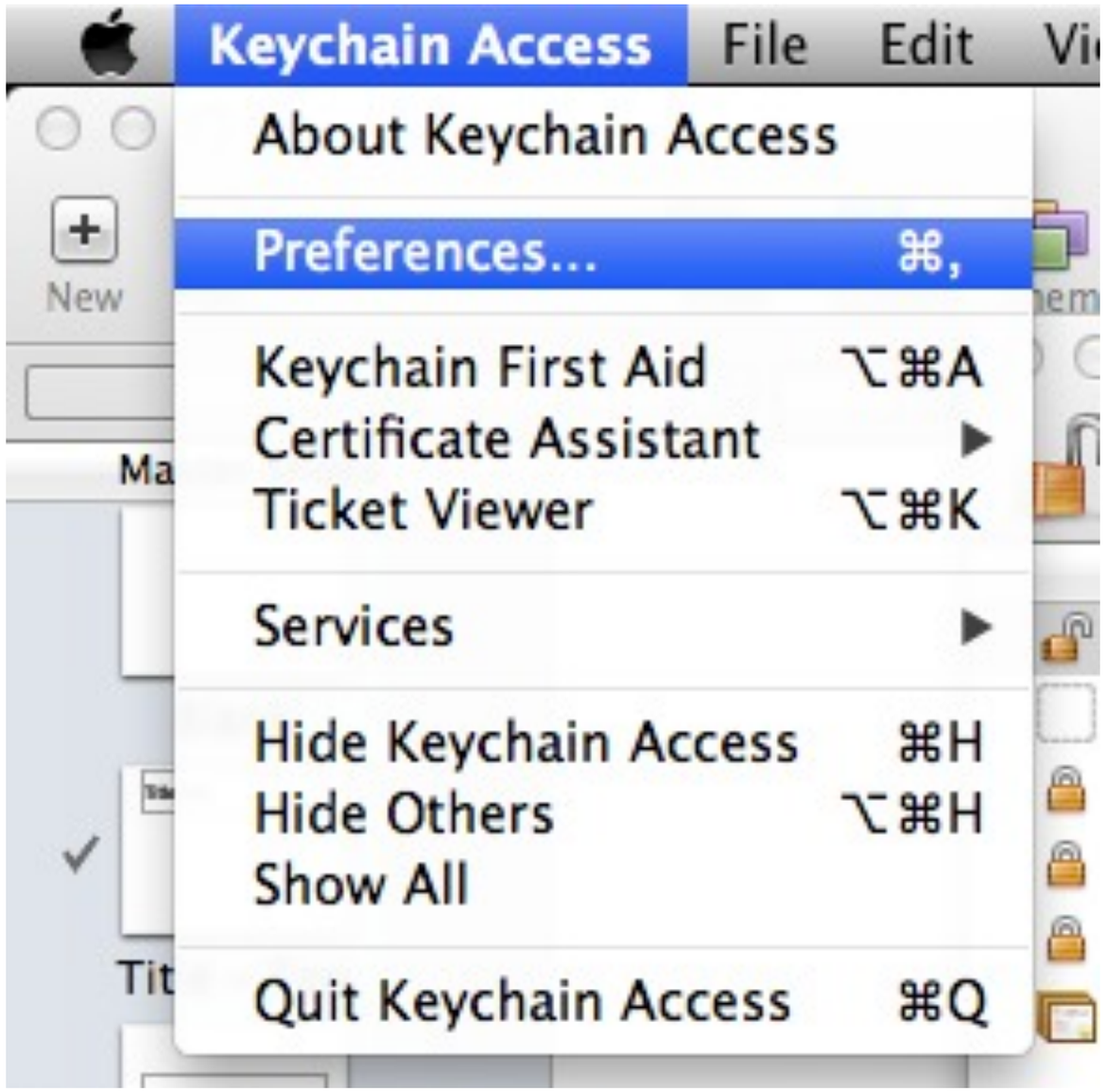
Scenario

- MacBook left in general common area - stolen
  - No screensaver password
  - No firmware password
  - User has local administrator rights
- iPad left in office under paperwork - user “misadventure”

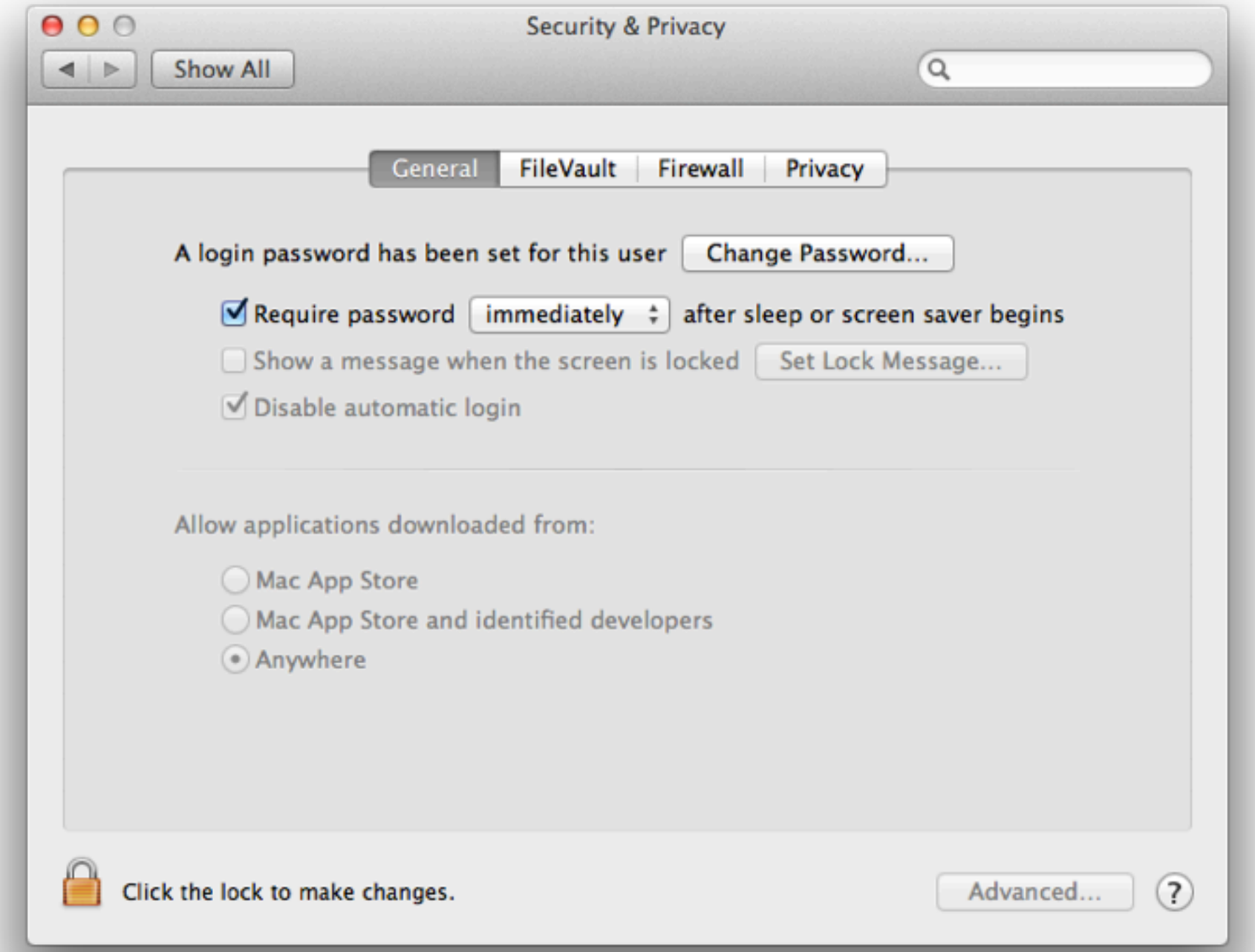
Backups

Full disk encryption

The Padlock


Keychain Access
File
Edit
About Keychain Access
Preferences... ⌘,
New
Keychain First Aid ⌥⌘A
Certificate Assistant
Ticket Viewer ⌥⌘K
Services
Hide Keychain Access ⌘H
Hide Others ⌥⌘H
Show All
Quit Keychain Access ⌘Q

Screen Savers



Local Admin Policy

```
uid=500(derpina) gid=20(staff),
80(admin)
```

Bonus for champs!

What next?

munki

More Info

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- @talesonrails
- http://about.me/wmcgrath