



iBorrow




Canterbury Christ Church University

large-scale self-service student laptop loan scheme



iBorrow
laptop borrowing scheme




ucisa
Award for Excellence
Winner 2009

Session Outline

- o Background & Aims
- o Technology
- o Security
- o Research data / pedagogy
- o iBorrow in use
- o Questions and discussion

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Background

- o New £35M library and learning centre
- o Flexibility of space
- o Wanted fixed and mobile IT provision

But...

- o Existing schemes very complex
- o Little data on how students use LRCs

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Aims

1. Provide 200 laptops for students in the new learning centre
2. Track these to provide data on how students use learning spaces

- o Project supported by JISC innovation funding


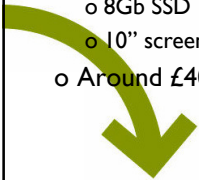
JISC

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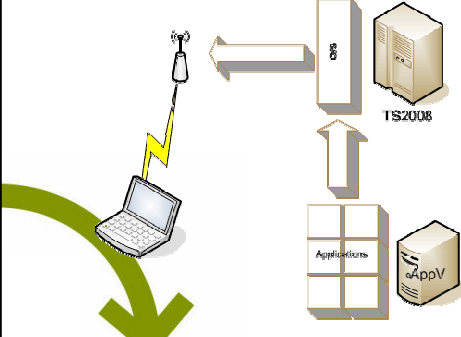

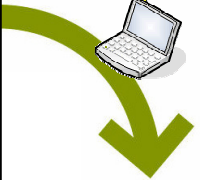


Laptops

- o Looked first at 'thin client' devices
- o Netbooks becoming popular
- o ASUS 1000
 - o Atom processor
 - o 8Gb SSD
 - o 10" screen
- o Around £400 each

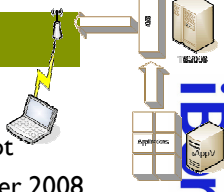

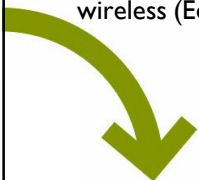



Virtualisation

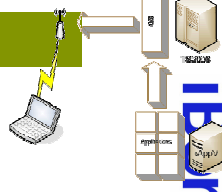

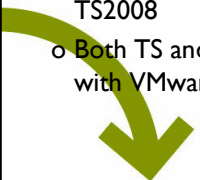
Virtualisation

- o Lean version of WinFLP
- o Local login then auto script
- o RDP to MS Terminal Server 2008
- o Digital certificate to connect to secure wireless (EduROAM)

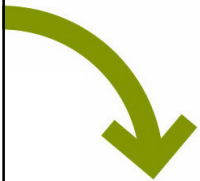
Virtualisation

- o Student logs in to TS
- o Profile on network drive
- o 'normal' experience
- o Use App-V to deliver software to TS2008
- o Both TS and App-V servers virtualised with VMware

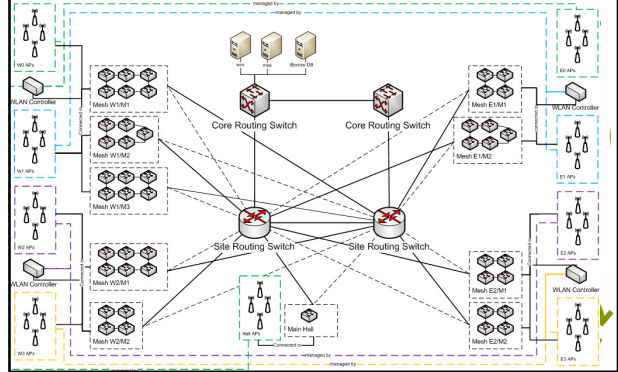




User experience

- o Script to pass battery life to TS to display on desktop
- o Auto logoff on lid close
- o USB ports passed via RDP



Wireless



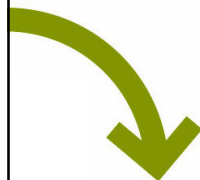
Security

- o Don't work outside building
- o Tagged like books
- o Cheap – not worth stealing
- o Initially checked nightly on building close, now weekly
- o None taken so far

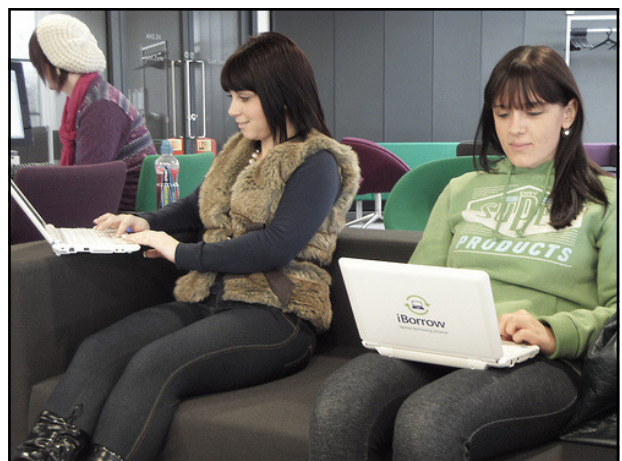
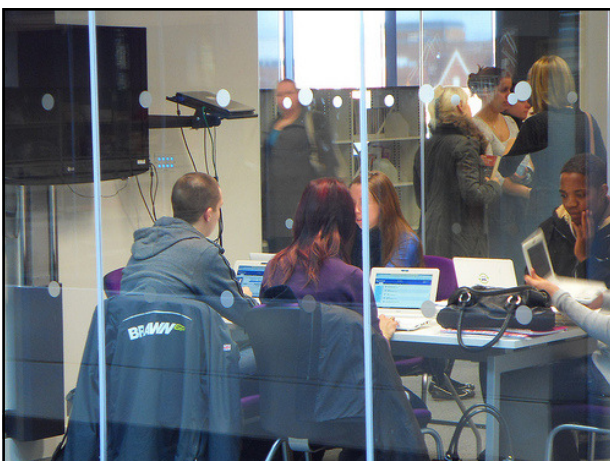
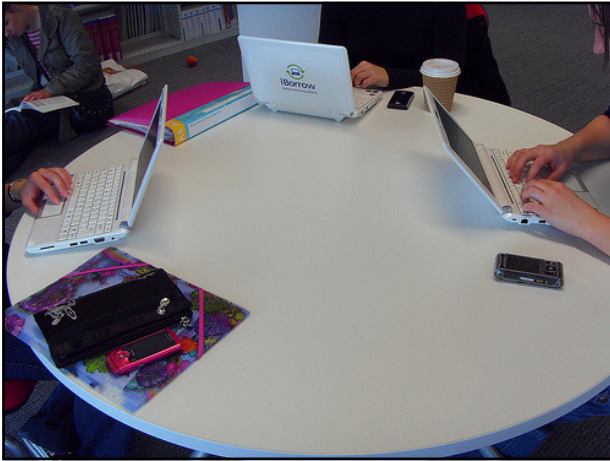


Deployment and use

- o Racks of 20
- o 2 per wing over 4 floors
- o Permanently charging
- o Students do return them!











Credit to...

- o Geoff Kimmons
- o Chris French
- o Phil Poole
- o Wayne Barry
- o Lynne Graham-Matheson
- o Adrian Wheal
- o and many others...



Over to you

- o Questions?
- o Comments?
- o Thoughts?
- o Conference on March 25th in Canterbury. Book via www.canterbury.ac.uk/iborrow
- o ian.ellery@canterbury.ac.uk

