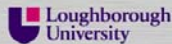


▶ **Microsoft Vista - Strategic Brief**

Matthew Cook
Senior IT Security Specialist
Security and Compliance Team



▶ **Introduction**

Security and Compliance Team

- ▶ Pressure for Microsoft Vista Implementation

- ▶ Drivers for change
- ▶ Current HE/FE position
- ▶ Considerations
- ▶ Technical Issues
- ▶ Questions

- ▶ Notices



2

▶ **Drivers for Microsoft Vista**

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- ▶ Perception of prospective students
 - ▶ Hardware or the Software?
- ▶ Software requirements
 - ▶ Microsoft extend XP deadline 30th June 2008
- ▶ Licensing requirements
 - ▶ Select, campus agreement or OEM (inc KMS)
- ▶ Hardware vendor/Microsoft limitations
 - ▶ Is new hardware available with Windows XP?
- ▶ Perceived improved security
 - ▶ The most secure system, is a well understood one!



3

▶ What has changed

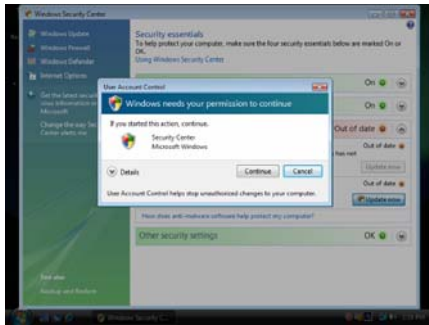
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- ▶ A lot, under the surface!
 - ▶ User Account Control
 - ▶ Internet Explorer 7
 - ▶ Group Policy
 - ▶ Virtualisation of Applications, Registry & File System
 - ▶ Bitlocker
 - ▶ USB Connection
 - ▶ Networking
 - ▶ Distribution (Image X, Sysprep)

4

▶ User Account Control

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5

▶ Internet Explorer 7

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- ▶ Some features available in Windows XP...



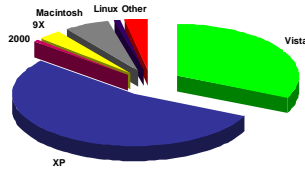
6

► Spread of Vista usage among students

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► From 4,490 students on Lboro HallNet

- Windows Vista – 32%
- Windows XP – 54%
- Windows 2000 – 1%
- Windows 9x – 3%
- Macintosh – 6%
- Linux – 1%
- Other – 3%



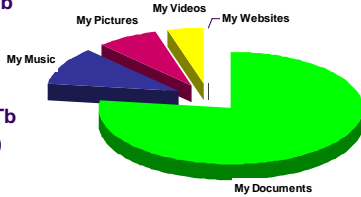
7

► Breakdown of 'My Documents'

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► From 3,000 Staff Desktop users

- My Documents – 7.67 Tb
- My Music – 1.10 Tb
- My Pictures – 0.72 Tb
- My Videos – 0.45 Tb
- My Websites – 0.0046 Tb
- My Virtual Machines – 0



► 45% Growth per annum

8

► Minimum Hardware Specification

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Microsoft Vista Capable, Premium Ready or Reality?

- | | |
|---------------------------|--------------------------|
| ► Microsoft Premium Ready | ► Loughborough Ready |
| ► 1Ghz Processor | ► 2Ghz Processor |
| ► 1Gb RAM | ► 2Gb RAM |
| ► 40Gb Hard Disc | ► 80Gb Hard Disc |
| ► 128Mb Graphics Card | ► 128Mb Graphics Card |
| ► DVD Drive | ► Optical Media Optional |
| ► Audio Out | ► Audio Out |
| ► Internet | ► Campus LAN provision |

9

▶ Known Issues

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- ▶ Disabled virtualisation breaks applications
- ▶ UAC required for IE Protected Mode
- ▶ Sound abstraction
- ▶ Bitlocker limitations
- ▶ Sysprep problems (Three times failing/Naming)
- ▶ Image X problems (Fast mode support)
- ▶ VSS problems with applications and stubs

10

▶ Security Considerations

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- ▶ Microsoft Vista can provide increased security
- ▶ Improved firewall
- ▶ Defender
- ▶ Application abstraction
- ▶ Increased network posture
- ▶ IPv6 Considerations
- ▶ Increased number of services
- ▶ Weak point is always the user

11

▶ Summary

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- ▶ Many sites holding back
 - ▶ Await the release of Service Pack 1 (Q1 2008)
- ▶ Continuous evaluation, ahead of pilot
- ▶ Compatibility Issues
- ▶ Summer 2008 staged roll out
- ▶ One component of "Business and IT Strategy"
 - ▶ Virtualisation
 - ▶ DR/BC
 - ▶ SAN Technology
 - ▶ Environmental Agenda

12

Resources

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- ▶ Administering Windows Vista Security The Big Surprises
 - ▶ Mark Minasi
 - ▶ ISBN 0-470-10832-0
- ▶ Microsoft Windows Vista Resource Kit
 - ▶ Microsoft
 - ▶ ISBN 0-735-62283-3
- ▶ JISCmail Lists <http://www.jiscmail.ac.uk/>
 - ▶ windows-uk, windows-vista and office2007
 - ▶ uk-security

13

JANET Training

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- ▶ Portfolio of network based training @ £180 per day
- ▶ Over 10 different courses
- ▶ Training venues in many locations
- ▶ Comprehensive course workbook + CD

- ▶ Net Lab project
- ▶ New course developments

- ▶ <http://www.ja.net/services/training/>

14

Cisco Regional Security Workshop

Security and Compliance Team

- ▶ Organised by Cisco and Loughborough University
- ▶ Wednesday 28th November 09:30/10:00 – 15:30
- ▶ All FE/HE Staff responsible for security welcome
- ▶ Topics include:
 - ▶ Enterprise Wireless Security
 - ▶ VoIP Security
 - ▶ 802.1X Network authentication
 - ▶ Data Centre Security
- ▶ For booking details, contact: dcobb@cisco.com

15

▶ **UCISA – IG Anti Virus Software Management**

Security and Compliance Team

- ▶ Organised by UCISA and Loughborough University
- ▶ Wednesday 6th February 2008
- ▶ One day seminar for FE/HE Systems Staff

- ▶ Looking for speakers:
 - ▶ Anti Virus Case Studies
 - ▶ Mail A/V Scanning implementations
 - ▶ Anti Virus Software Migration

16



▶ **Questions:**

Matthew Cook
<http://escarpment.net/>

