



Streaming Video across a Primary School LAN



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Introduction

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- Further details available at: <http://escarpment.net/>



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Background

- Westwood Infants and Nursery School
- Located in Nottinghamshire
- Small village school

- Heterogeneous ICT Suite
- Cross curricular ICT integration
- Effective use of resources

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A Small Network

- Revised in summer 2006, the school invested in a new network of 20 PCs
- Linking two buildings
- ...and the Internet (well slowly)

- PCs running Windows XP
- Server running Windows Server 2003
- Hardware Firewall

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What the Children See



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The ICT Suite



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The ICT Suite...



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Do We Need the Television?

- Lots of Computers:
 - ICT Suite with 14 PCs
 - Nursery three PCs
 - Others in classrooms
 - Interactive Whiteboards and Laptops
- Live television rarely watched, but still required for state/important occasions

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Capture the Video

- Project over the summer
- Captured using simple USB adaptor
- Edited using the supplied software
 - Scene selection
- 50Gb of Video content
- Provided from shared server drive

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What the Children See



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Benefits and Future

- Simple to use
- Watch on multiple computers
- Pausing
- Annotation
- Capture and insert in work

- Video Compression
- Menu driven access

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Streaming Television

- Television capture card in Server
- Issues with Drivers
- Free VLC provides a stream
- Windows media player on desktop
- Simple URL
- Changing channels

- Hardware devices

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- Portfolio of network based training
- Over 10 different courses
- Training venues in many locations
- Comprehensive course workbook + CD

- Basic Networking
- Wireless LAN Fundamentals
- Firewalls: Planning and Implementation

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Questions?

<http://escarpment.net/>

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