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Campus-wide Podcasting: Simple and Cost Effective with Camtasia Relay

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Campus-wide Podcasting

Camtasia Relay™
@TechSmith

Simple and Cost Effective
with Camtasia Relay

David Antonacci, Jameson Watkins,
Michael Ciolek, & Mark Grabendike

University of Kansas Medical Center
SIDLIT 2009
July 30, 2009

Selection Process

- Identified Problem
- Assessed Needs
  - Really Simple Presenter Interface
  - Capture Computer Audio and Video
  - Authentication and Authorization
  - Flexible File Formats
  - Automated Workflow and File Management
- Evaluated Products
- Selected Product

Camtasia Relay Demonstration

- Faculty
- System Administrator
- Student, including iTunes U integration

Server Installation & Configuration

- Virtual Server with 4 CPUs, 4Gb RAM available if needed, 50Gb available disk space
- Three simultaneous encodings license
- LDAP

Classroom Integration

- Tailoring to Existing Classroom Configuration
  - Client Installation
  - Sound System
- Scheduling & Equipment Checkout

Administration & Workflow

- Promotion
- Request Form
- Faculty Needs Assessment
- Faculty Training
- CR Setup

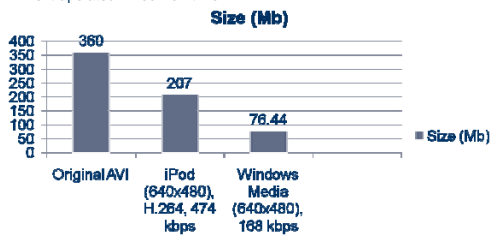http://www2.kumc.edu/ir/tlt/podcasting

File Management

- Formats – Windows Media, Quicktime (MP4), MP3 audio, Flash, Camtasia, AVI
  - Resolution (640x480 is fine)
  - Data Rate (168 kbps is fine)
  - Frames Per Second
  - Keyframes – 100 or 200

File Sizes

5 minute video containing PowerPoint slides, web browsing, LMS, extrapolated 1 hour run time

Size (Mb)

Original AVI	360
iPod (640x480), H.264, 474 kbps	207
Windows Media (640x480), 168 kbps	76.44

Lifecycle Management

Managing creation & distribution is the easy part.

Things to consider:
- How long should the presentations be available?
- How will you know when it's done being used?
- How will you archive/dispose of the file?
- How much file storage will you require for a semester's growth?

One Class File Examples

MP4: 1 week (3 x 1 hour sessions) = 621mb
MP4: 1 semester (15 weeks) = 9.3gb

WMV: 1 week (3 x 1 hour sessions) = 228mb
WMV: 1 semester (15 weeks) = 3.4gb

50 classes/semester: MP4 = 500gb
50 classes/semester: WMV = 170gb

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iTunes U Integration

- iTunes application used as distribution tool
- 500gb free storage on Apple's servers
- Authenticates against our LDAP
- Authorizes based on custom scripts uploaded of enrollment data
- Custom web app written to combine course line numbers into single podcasting course

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iTunes U Integration

STEP 3: Update/Delete Course Group   LOGOUT

To edit this group, make changes and click 'Update'. To remove this course group, click 'Delete'.

Entries:

Subject Code:	NURS
Catalog Nbr:	421
Term:	Fall 2009
Course Name:	Nrs Clnt Cmp Cl Lb
Instructor/Descr:	Watkin
CR Destination Date:	12312009
Remove from Itunes Date:	12312009
Stop Auto-Student_Add Date:	12312009
Line Class Numbers:	☑ 21657
	☑ 21659
	☑ 21661
	☐ 21663
	☐ 21665

Best Practices

- Upfront Buy-in
- Pilot Process
- Make It Fit with What You Have!
- Virtualized Server Environment
- Coordinate Support Units
- WMV and MPEG-4 (640 x 480)
- Pedagogical Support

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Questions ? ? ?

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