

Video Streaming and Content Management for Educators

July 2006



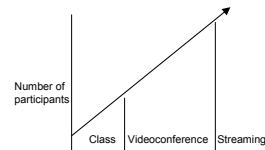
What are we talking about?

- Recording audio, video and content from a video / audio endpoint and making it available for your audience;
 - Students
 - Staff
 - Customers
 - Employees



Why Record & Stream?

- Enabling technology for remote learning.
- Low cost distribution of lectures to remote students.
- Increased enrollments.
- Different time zones.
- Missed class / meeting.
- Review in own time / pace class or meeting.
- Staff / Professional development.



Reports from the field

- I have never met an Administrator of Videoconferencing and Audio Visual systems who has said: “I have so much time I just don’t know what to do with myself”.
- The most common comment that I have heard is “We have trialed it internally, it is great but we are TOO SCARED to let everyone know about it and release it.”.



The Technology Issues are:

- Capturing.
- Storing.
- Delivering.
- Continued collaboration.



Capturing the Content

- The conferencing endpoint
 - Room based video
 - Desktop
 - Audio
 - 3G



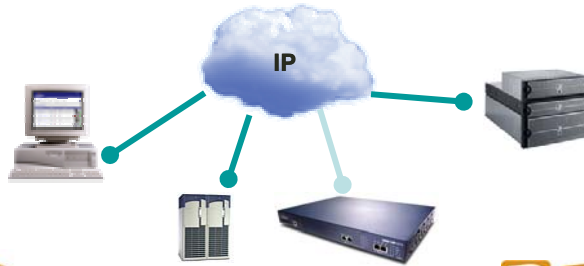
Provides mini studio

- Dedicated recording Studio's.



Storing the Content

- Locally (in the case of the Codian IP VCR).
- On SAN networks.
- In multiple locations because of network bandwidth issues
- Being able to store in multiple locations in different formats.



Delivering the Content

- Possible formats:
 - H.323 playback
 - Streaming Servers
 - Portable devices,
Sony PSP, Apple iPod, MPEG 3 player
 - 3G handset
 - Producing DVD's



Continued Collaboration.

- Text Chat
- Allow markups?
- Email feedback
- Allow editing?
- How far do we go?

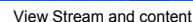


An Ideal Scenario

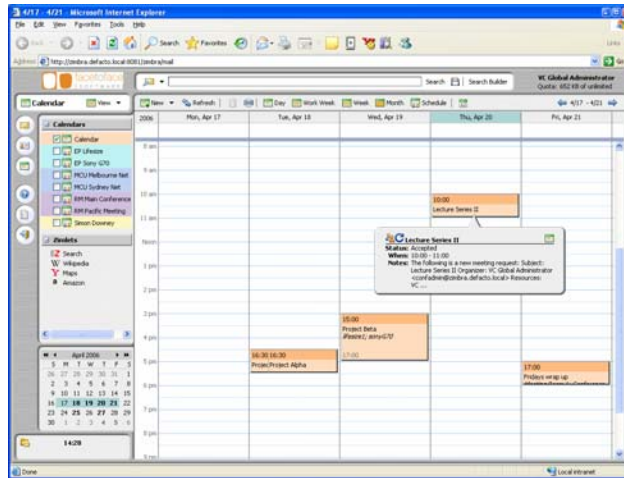
- Easily schedule content recordings.
- Have the recordings automatically start and finish.
- Content transcoded into all required formats and placed on appropriate delivery devices.
- Be able to manage all of this from a Web interface.
- Be able to have Collaboration if required.



- Automatic Scheduling of Content creation.
- Automatic Storage on multiple servers in multiple locations.
- Automatically transcode into multiple formats.
- Deliver content to multiple devices in a seamless manner.

List of streams

Manager for Codian



Features

- Presents a calendar view to manage all recordings
- Multiple levels of administrative control, allowing you to delegate and push administration down to the users as much as possible
- Ties in with Codian "Folders"
- Automatic email notification of all recordings if required



Questions?

- Do you currently use streaming technologies
- What content do you capture?
- Who is your audience?
- What learning outcomes are achieved?
- What additional issues, such as legal, copyright, protection of children, do you face?
- If you had these technologies how could you use them?

