

EPICS Training Videos- Dev

Introduction to EPICS and EPICS Database Principles

Video #1, Encoding method 1, File size=357 MB, original raw file size 3.97 GB

Video #1, Encoding method 2, File size=98 MB, original raw file size 3.97 GB

Video #2, Encoding method 1

Video #4, Encoding method 1, optimized for computer and iPhone raw=12.96 GB, computer optimized =1.1GB, iPhone optimized= 460MB

EPICS Device Support

Test using HTML5 and flash wrapper in case HTML5 H.264 is not support by clients browser

Encoding method 2

Test using Confluence embedding multimedia files

which fails, file must be required to be local.

Error rendering macro 'multimedia'

com.atlassian.rendererv2.macro.MacroException: Cannot find attachment 'EPICS-Steve-Lewis1-web.mov'

Encoding Method Summary

Method 1

#####

Use VLC to RIP DVD if needed. I had raw source on some of them

Use Quicktime to create web optimized mov file and html

Pros:

- various versions of your movie optimized for web-delivery.
- Uses a reference movie, which selects the best version for your users' various devices and connection speeds. By including this reference movie in your HTML page, you can ensure a quality video experience on your site. (not sure if Handbrakes H.264 output does the same.
- Output is basically the same as iMovie, with less steps

Cons:

- Multi steps
- requires quicktime to be installed
- Files size large, however still greatly reduced compared to original DVD file

Method 2

#####

Use Handbrake to RIP DVD and create H.264 file based on the following write up:

<http://diveintohtml5.org/video.html>

Pros:

- Smaller file size, more control over resolution.
- Should work on all browser, but have not tested.
- native HTML5 support, Flash wrapper for old browsers
- Handbrake supports command line and batch jobs

Cons:

- OSX firefox does not work

Method 1

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Method 2

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Use Handbrake to RIP DVD and create H.264 file based on the following write up:<http://diveintohtml5.org/video.html>

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- Smaller file size, more control over resolution.
- Should work on all browsers, but have not tested.
- native HTML5 support, Flash wrapper for old browsers
- Handbrake supports command line and batch jobs

Cons:

OSX firefox does not work, more debugging needed

File size compare:

#####

EPICS_Device_Support_6_25_2010_Part1 via Quicktime = 1.35GB
@ web optimization set for high bandwidth

EPICS_Device_Support_6_25_2010_Part1 via handbrake = 362MB
@24FPS 600 bitrate web optimization

Problems:

#####

EPICS Device Support with Stephanie Allison

- EPICS_DeviceSupport_6_25_2010_Part2 is missing, disk was really the same as EPICS_DeviceSupport_6_25_2010_Part1

RTEMS Programming and RTOS Concepts with Eric Norum

- Part 1 is incomplete, Video is only a 11 seconds long
- Part 2 is incomplete, Video is only a 2 seconds long

Other

- -need to find a good home for the large files. Confluence max files size is 200MB. Depending on encoding method, files maybe 100MB to 2+GB.