# 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

> Unknown macro: 'html'

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

> Unknown macro: 'html'

Video #2, Encoding method 1

> Unknown macro: 'html'

Video #4, Encoding method 1, optimized for computer and iPhone  raw=12.96 GB, computer optimized =1.1GB, iPhone optimized= 460MB
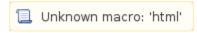
> Unknown macro: 'html'

## EPICS Device Support

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

Encoding method 2

> Unknown macro: 'html'

> Unknown macro: 'html'

### Test using Confluence embedding multimedia files

which fails, file must be required to be local.

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**Error rendering macro 'multimedia'**

com.atlassian.renderer.v2.macro.MacroException: Cannot find attachment 'EPICS-Steve-Lewis1-web.mov'

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## 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 ourput 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 orginal DVD file

Method 2
############
Use Handbrake to RIP DVD and crate H.264 file based on the following write up:
http://diveintohtml5.org/video.html

Pros:
-Smaller file size, more control over resolution.
-Should work one 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

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-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 optimazation set for high bandwidth

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

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.