

Speaker Biography

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- Macromedia Certified Trainer
- Author: Macromedia Press, Macromedia.com
- Degree in Film and Photography
- New Toronto Group consulting focus:
 FLEX, Flash Video
 Flash Media Server (Flashcom) ColdFusion

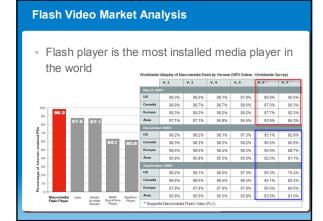
Today's Objectives

After the session, you should be familiar with

- Understanding the new Flash Video (FLV) format
- Converting to FLV using the new Flash Video Exporter
 - Inside Flash Professional 8
 - Using Adobe Premier Pro and QuickTime Pro
- Understanding bandwidth and data rate
- Adjusting digital video properties
- Getting the best video encoding
- Optimizing encoder settings
- Runtime effects (if there is time)

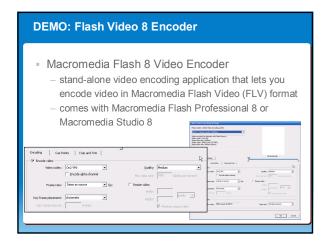
DEMO: Flash Video 8 Comparison

- Side-by-side comparison of the new video quality in Flash 8 Professional with previous versions
 - Beginnings (Flash 5) Sorenson Spark
 - Streaming (Flash 6) -- Sorenson Spark Pro
 - A new Codec (Flash MX) FFMPEG; Video Exporter
 - A new world (Flash 8) On2; new Video Exporter



The Flash Video 8 (FLV) Format

- Flash 8 Video
 - Uses On2 Video CODEC
 - Encoded using Macromedia new Video Exporter
 - Video encoded in the new CODEC cannot be played in Flash players before Flash player 8
 - Flash player 7 still supports Sorenson / FFMPEG
 - Audio is encoded with MP3
 - Video cannot be trans-coded from FLV
 - Meta data is encoded into the FLV
 - Supports 8-bit Alpha channel encoding
 - Streamed using the new Flash Media Server 2.0 and Flash Communication Server 1.5 (or greater)



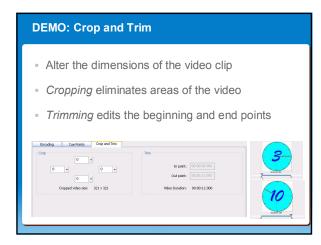


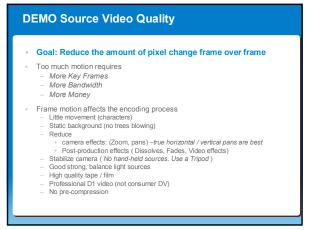
3rd-party encoding tools - On2 Flix (version 8)

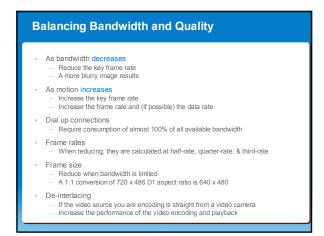
- Sorenson Squeeze (for version 6/7 support)
- Digital Rapids (hardware encoding)

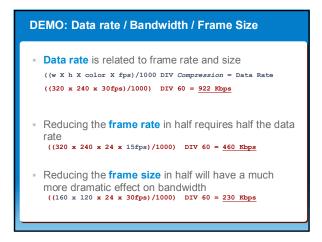


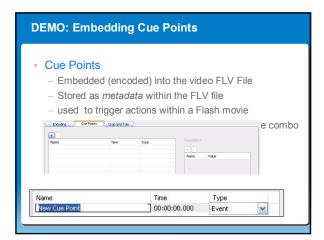
Encoding Properties: Frame Rate Frame rate is the number of frames per second (fps) displayed Typical frame rates NTSC / widescreen: 29.97 fps PAL / widescreen: 25.00 fps Computer 8 - 30 fps Typically 12-15 fps The higher the frame rate, the larger the video file











Pre-processing video for Alpha channel using Adobe Premiere Pro Enabling the alpha option in the Video encoder Displaying inside your Flash 8 movie

BONUS: Flash 8 Effects and Video Components

- The new Flash 8 blending tools can be applied to Flash Video
 - Demonstrate runtime Blending Effects
 - Demonstrate runtime Color correcting
- Flash 8 ships with brand new Video components
 - Demonstrate the Video Components and their quick development

Summary

- Flash Professional 8 introduces a new Video Codec
- Higher quality video and lower bandwidth
- Good video sources will affect the end-result
- Batch conversion is supported
- Cue points and Trimming are part of the new encoder
- Flash 8 runtime blending effects work with Video
- Flash 8 Video components are easy to use

Resources

- Macromedia.com
- Adobe.com
- Flash 8 Video Development Course (www.newyyz.com)
- Ben Waggoner

