

Movian - Bug #771

No video shown when playing this movie sample

11/10/2011 03:44 PM - Philipp Grosswiler

Status:	Rejected	Start date:	11/10/2011
Priority:	High	Due date:	
Assignee:	Andreas Smas	% Done:	0%
Category:	Video playback	Estimated time:	0.00 hour
Target version:	3.4	Platform:	PS3
Found in version:	3.3.223.g329376		
Description			
<p>When playing the sample with the latest version of Showtime on PS3, the video playback won't start. Audio is doing fine, and also the progress bar is moving. There is a VOBSUB stream included in the MKV. mkvinfo outputs the following:</p> <pre>mkvinfo tusahd-w.a.y.l.a.t.a.t.2011.1080p-sample.mkv + EBML head + EBML version: 1 + EBML read version: 1 + EBML maximum ID length: 4 + EBML maximum size length: 8 + Doc type: matroska + Doc type version: 2 + Doc type read version: 2 + Segment, size 89835074 + Seek head (subentries will be skipped) + EbmlVoid (size: 4029) + Segment information + Timecode scale: 1000000 + Muxing application: libebml v1.2.2 + libmatroska v1.3.0 + Writing application: mkvmerge v5.0.1 ('Es ist Sommer') built on Oct 9 2011 11:55:43 + Duration: 55.656s (00:00:55.656) + Date: Wed Nov 9 15:59:10 2011 UTC + Title: Weird.AI.Yankovic.Live.The.Alpocalypse.Tour.2011.AC3.1080p.BluRay.x264.HQ-TUSAHD + Segment UID: 0xa0 0xd4 0x66 0x1c 0x8f 0xaa 0xb6 0xff 0xa1 0xb2 0xa2 0x90 0x82 0xae 0x58 0x94 + Segment tracks + A track + Track number: 1 + Track UID: 3965445522 + Track type: video + Lacing flag: 0 + MinCache: 1 + Codec ID: V_MPEG4/ISO/AVC + CodecPrivate, length 44 (h.264 profile: High @L4.1) + Default duration: 41.708ms (23.976 fps for a video track) + Name: Weird.AI.Yankovic.Live.The.Alpocalypse.Tour.2011.AC3.1080p.BluRay.x264.HQ-TUSAHD + Video track + Pixel width: 1920 + Pixel height: 1080 + Display width: 1920 + Display height: 1080 + Content encodings + Content encoding + Content compression + Algorithm: 3 (header removal) + Settings: length 1, data: 0x00 + A track + Track number: 2 + Track UID: 2333884828 + Track type: audio + Codec ID: A_AC3 + Default duration: 32.000ms (31.250 fps for a video track) + Name: English AC3 2.0ch + Audio track + Sampling frequency: 48000 + Channels: 2 + Content encodings + Content encoding + Content compression + Algorithm: 3 (header removal) + Settings: length 2, data: 0x0b 0x77 + A track + Track number: 3 + Track UID: 2470280850 + Track type: subtitles + Lacing flag: 0 + Codec ID: S_VOBSUB + CodecPrivate, length 348 + Name: English + Content encodings + Content encoding + Content compression + EbmlVoid (size: 1175) + Chapters + EditionEntry + EditionFlagHidden: 0 + EditionFlagDefault: 0 + EditionUID: 2577968545 + ChapterAtom + ChapterUID: 2576433285 + ChapterTimeStart: 00:00:00.000000000 + ChapterFlagHidden: 0 + ChapterFlagEnabled: 1 + ChapterDisplay + ChapterString: 00:09:15.180 + ChapterLanguage: eng + EbmlVoid (size: 924) + Cluster</pre> <p>See attached sample for analysis.</p>			

History

#1 - 11/10/2011 03:51 PM - Philipp Grosswiler

Just to add some more information, here the output of mediainfo:

```
*mediainfo tusahd-w.a.y.l.a.t.a.t.2011.1080p-sample.mkv*
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General

Unique ID : 213779317328226783971700296891732220052 (0xA0D4661C8FAAB6FFA1B2A29082AE5894)

Complete name : tusahd-w.a.y.l.a.t.a.t.2011.1080p-sample.mkv

Format : Matroska

Format version : Version 2

File size : 85.7 MiB

Duration : 55s 656ms

Overall bit rate : 12.9 Mbps
Movie name : Weird.AI.Yankovic.Live.The.Apocalypse.Tour.2011.AC3.1080p.BluRay.x264.HQ-TUSAHD
Encoded date : UTC 2011-11-09 15:59:10
Writing application : mkvmerge v5.0.1 ('Es ist Sommer') built on Oct 9 2011 11:55:43
Writing library : libebml v1.2.2 + libmatroska v1.3.0

Video

ID : 1
Format : AVC
Format/Info : Advanced Video Codec
Format profile : High@L4.1
Format settings, CABAC : Yes
Format settings, ReFrames : 10 frames
Muxing mode : Header stripping
Codec ID : V_MPEG4/ISO/AVC
Duration : 55s 639ms
Bit rate : 12.4 Mbps
Width : 1 920 pixels
Height : 1 080 pixels
Display aspect ratio : 16:9
Frame rate : 23.976 fps
Color space : YUV
Chroma subsampling : 4:2:0
Bit depth : 8 bits
Scan type : Progressive
Bits/(Pixel*Frame) : 0.250
Stream size : 82.5 MiB (96%)
Title : Weird.AI.Yankovic.Live.The.Apocalypse.Tour.2011.AC3.1080p.BluRay.x264.HQ-TUSAHD
Language : English

Audio

ID : 2
Format : AC-3
Format/Info : Audio Coding 3
Mode extension : CM (complete main)
Muxing mode : Header stripping
Codec ID : A_AC3
Duration : 55s 656ms
Bit rate mode : Constant
Bit rate : 224 Kbps
Channel(s) : 2 channels
Channel positions : Front: L R
Sampling rate : 48.0 KHz
Bit depth : 16 bits
Compression mode : Lossy
Delay relative to video : 8ms
Stream size : 1.49 MiB (2%)
Title : English AC3 2.0ch
Language : English

Text

ID : 3
Format : VobSub

Muxing mode : zlib
Codec ID : S_VOBSUB
Codec ID/Info : The same subtitle format used on DVDs
Title : English
Language : English

Menu
00:00:00.000 : en:00:09:15.180

#2 - 11/10/2011 09:39 PM - Girish Patel

By looking at the media info

"Format settings, ReFrames: 10 frames"

The 10 frames is too high for Showtime.

#3 - 11/14/2011 09:11 PM - Andreas Smas

- *Target version changed from 3.3 to 3.4*

#4 - 11/28/2011 09:11 PM - Andreas Smas

- *Status changed from New to Accepted*

#5 - 11/28/2011 09:16 PM - Andreas Smas

- *Status changed from Accepted to Rejected*

Reframes too high yes

#6 - 12/11/2011 04:54 AM - Philipp Grosswiler

I am sorry, but I don't get it. What does it mean, reframes too high? How does that solve my problem? I can play the sample video fine in MPlayer, VLC and every other video player just not with Showtime. So clearly there is a problem within Showtime?

#7 - 12/11/2011 09:38 AM - Andreas Smas

No, it's a problem with the h264 decoder available on the ps3. It just does not support this video file.

Showtime will play the content just fine on Linux or OSX.

#8 - 12/11/2011 12:10 PM - Philipp Grosswiler

Thank you for clarifying this issue.

Would it be possible to play the movie if Showtime would use software decoding of H.264 using ffmpeg like it does on Linux?

#9 - 12/11/2011 01:30 PM - Andreas Smas

It would be possible but is almost 100% certain to be too slow. The PowerPC CPU in the PS3 implements some instructions that are crucial for h264 in a very slow fashion.

Files

tusahd-w.a.y.l.a.t.a.t.2011.1080p-sample.mkv	85.7 MB	11/10/2011	Philipp Grosswiler
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