

Tvheadend - Bug #3482

Disturbings on Full HD sat receivings

2016-01-06 19:03 - Alfred Zastrow

| | |
|---|----------------------------------|
| Status: Fixed | Start date: 2016-01-06 |
| Priority: Normal | Due date: |
| Assignee: | % Done: 100% |
| Category: | Estimated time: 0.00 hour |
| Target version: | Affected Versions: |
| Found in version: tvheadend_4.1-1327~gf65b842_amd64 | |
| Description | |
| Full HD content from "Astra_19_2E/11361.75H/ZDF HD" is showing a lot of disturbings and glitches on KODI 15.2 with th pvr client 2.1.18 without using timeshift. The logfile doesn't show any usefull information. SD content seems to be o.k. What shall I provide to help finding the root cause? | |

Associated revisions

Revision 196b1d9f - 2016-01-07 16:14 - Jaroslav Kysela

timeshift: remove the packet PTS align, causes issues, fixes #3482

- and adds extra latency
- it seems that the sorting is not required (it probably hid the another bugs which are actually fixed)

History

#1 - 2016-01-06 21:56 - Jaroslav Kysela

Same here, 15.2 VAAPI, i7-4900MQ (Intel® HD Graphics 4600):

```
20:39:21 T:140611902490368 WARNING: VAAPI::FFGetBuffer - no surface available - dec: 1, render: 3
20:39:21 T:140611902490368 ERROR: ffmpeg[7FE2C27FC700]: [h264] get_buffer() failed
20:39:21 T:140611902490368 ERROR: ffmpeg[7FE2C27FC700]: [h264] thread_get_buffer() failed
20:39:21 T:140611902490368 ERROR: ffmpeg[7FE2C27FC700]: [h264] decode_slice_header error
20:39:21 T:140611902490368 ERROR: ffmpeg[7FE2C27FC700]: [h264] no frame!
```

When I switch to software decoder (Settings -> Video -> Acceleration -> Render method / Advanced settings level), everything is fine. This bug is probably for ffmpeg / kodi - the accelerated playback should decode frames more intelligently.

#2 - 2016-01-06 22:00 - Jaroslav Kysela

And a little note - the timeshift **IS USED** (partially in some cases like on-demand) if you have enabled timeshift in the tvh timeshift configuration tab.

#3 - 2016-01-06 22:02 - Jaroslav Kysela

Some technical details: The ZDF HD uses heavily PTS re-ordering and PTS/DTS offsets, so it differs from other streams where usually PTS is equal to DTS and small PTS re-ordering is in use.

#4 - 2016-01-07 15:50 - Sam Stenvall

@perexg can you open a ticket on trac.kodi.tv?

#5 - 2016-01-07 16:22 - C K

Same here with Kodi 14.1 at Openelec and pi2

#6 - 2016-01-07 16:22 - Manfred Kreisl

I'm also having those periodic artifacts, but on cable tv channel "Das Erste HD". Disabling VAAPI helps but sometimes they still appears.

#7 - 2016-01-07 16:23 - Manfred Kreisl

Manfred Kreisl wrote:

I'm also having those periodic artifacts, but on cable tv channel "Das Erste HD". Disabling VAAPI helps but sometimes they still appears.

... and only if timeshift is enabled

#8 - 2016-01-07 16:29 - Alfred Zastrow

Hi Jaroslav,

thanks for explaining this. Then I have to decide to stick at HTS Tvheadend 4.1-1264~g0f069c7 or (not tried yet) to cancel timeshifting.

br
Alfred

#9 - 2016-01-07 16:35 - C K

Alfred Zastrow wrote:

Hi Jaroslav,

thanks for explaining this. Then I have to decide to stick at HTS Tvheadend 4.1-1264~g0f069c7 or (not tried yet) to cancel timeshifting.

br
Alfred

Maybe a duplicate of <https://tvheadend.org/issues/2744>

Just disabling Timeshift (and restart of the stream) "fixed" this issue

#10 - 2016-01-07 17:16 - Jaroslav Kysela

- Status changed from New to Fixed

- % Done changed from 0 to 100

Applied in changeset [tvheadend|196b1d9f1219cca201fed6e4c0ff33fab79cc52c](#).

#11 - 2016-01-07 17:17 - Jaroslav Kysela

I did some more tests with completely removed packet reordering and it seems that everything works as expected. I would like to know the real culprit why the decoding failed, because the order of video packets is not changed - but the elementary streams were shuffled to keep PTS difference at minimum.

Fixed in v4.1-1333-g196b1d9 .

#12 - 2016-01-07 18:34 - Alfred Zastrow

HTS Tvheadend 4.1-1333~g196b1d9 is fine now. smile.png

Thanks
Alfred

#13 - 2016-01-07 19:56 - Manfred Kreisl

I can confirm: artifacts are away smile.png

Thanks for your excellent work, Jaroslav