

Tvheadend - Bug #4694

Stream freezes after few seconds on 4.2 & 4.3

2017-10-28 20:46 - Vladimir Maksimenko

| | | | |
|--------------------------|---------------|---------------------------|------------|
| Status: | New | Start date: | 2017-10-28 |
| Priority: | Normal | Due date: | |
| Assignee: | John Törnblom | % Done: | 0% |
| Category: | Streaming | Estimated time: | 0.00 hour |
| Target version: | | Affected Versions: | |
| Found in version: | 4.2.4 | | |

Description

Hello.
I use tvheadend on NAS D-Link DNS-325 (hardware specifications: <http://dns323.kood.org/dns-325>). It used for watching IPTV from my ISP.

Stream link example: <http://91.211.16.175:4022/udp/234.1.10.8:1234>

On versions 4.0.10 and 4.1 streams works fine. But after upgrading on 4.2.x or 4.3 I have a problems with streaming. All streams plays 5 seconds, after that they freezes on buffering.

TVheadend compiled with configuration:

```
./configure --prefix=/ffp \  
--disable-avahi \  
--release \  
--disable-ffmpeg_static \  
--disable-libx264_static \  
--disable-libx265_static \  
--disable-libvorbis_static \  
--disable-libvpx_static \  
--disable-libtheora_static \  
--disable-libfdkAAC_static \  
--enable-slow_memoryinfo \  
--nowerror
```

Checking support/features

```
checking for cc execinfo.h ...      ok  
checking for cc -mmmx ...           fail  
checking for cc -msse2 ...           fail  
checking for cc -Wunused-result ... ok  
checking for cc getloadavg ...      fail  
checking for cc atomic32 ...        ok  
checking for cc atomic64 ...        fail  
checking for cc atomic_time_t ...   fail  
checking for cc bitops64 ...        ok  
checking for cc lockowner ...       ok  
checking for cc qsort_r ...         ok  
checking for cc stime ...            ok  
checking for cc gmtoff ...          ok  
checking for cc recvmmsg ...        fail  
checking for cc sendmmsg ...        fail  
checking for cc libiconv ...        ok  
checking for cc libdvben50221 ...   ok  
checking for cc ifnames ...         ok  
checking for py module gzip ...     ok  
checking for pkg-config ...         ok  
checking for xgettext ...           ok  
checking for msgmerge ...           ok  
checking for gzip ...               ok  
checking for bzip2 ...              ok  
checking for pkg openssl ...        ok (detected 1.0.2d)  
checking for cc linux/dvb/version.h ... ok  
checking for pkg zlib ...           ok (detected 1.2.11)  
checking for pkg liburiparser ...  ok (detected 0.8.4)
```

```
checking for pkg libavfilter >=6.31.100 ... ok (detected 6.82.100)
checking for pkg libswresample >=2.0.101 ... ok (detected 2.7.100)
checking for pkg libavresample >=3.0.0 ... ok (detected 3.5.0)
checking for pkg libswscale >=4.0.100 ... ok (detected 4.6.100)
checking for pkg libavformat >=57.25.100 ... ok (detected 57.71.100)
checking for pkg libavcodec >=57.24.102 ... ok (detected 57.89.100)
checking for pkg libavutil >=55.17.103 ... ok (detected 55.58.100)
checking for cc sys/inotify.h ... ok
checking for cc inotify_init1 ... ok
fetching dvb-scan files ... ok
checking for cc epoll_create1 ... ok
checking for pkg dbus-1 ... ok (detected 1.6.0)
```

Compiler:

```
Using C compiler: gcc
Using LD flags: -lubacktrace -ldvben50221 -ldvbapi -lucsi
Build for arch: arm
```

Binaries:

```
Using PYTHON: python
Using GZIP: gzip
Using BZIP2: bzip2
```

Options:

```
pie yes
ccdebug no
cwc yes
capmt yes
constcw yes
linuxdvb yes
satip_server yes
satip_client yes
hdhomerun_client yes
hdhomerun_static yes
iptv yes
tsfile yes
dvbscan yes
timeshift yes
trace yes
imagecache yes
avahi no
zlib yes
libav yes
ffmpeg_static no
libx264 yes
libx264_static no
libx265 yes
libx265_static no
libvpx yes
libvpx_static no
libtheora yes
libtheora_static no
libvorbis yes
libvorbis_static no
libfdkaac no
libfdkaac_static no
nvenc no
qsv no
libmfx_static yes
inotify yes
epoll yes
uriparser yes
ccache no
tvhcsa yes
bundle no
pngquant no
dvbcsa no
```

| | |
|-------------------|-----|
| dvben50221 | yes |
| kqueue | no |
| dbus_1 | yes |
| android | no |
| tsdebug | no |
| gtimer_check | no |
| slow_memoryinfo | yes |
| libsystemd_daemon | no |
| bintray_cache | yes |
| execinfo | yes |
| W_unused_result | yes |
| atomic32 | yes |
| bitops64 | yes |
| lockowner | yes |
| qsort_r | yes |
| stime | yes |
| gmtoff | yes |
| libiconv | yes |
| libdvben50221 | yes |
| ifnames | yes |
| py_gzip | yes |
| bin_pkg_config | yes |
| bin_xgettext | yes |
| bin_msgmerge | yes |
| bin_gzip | yes |
| bin_bzip2 | yes |
| ssl | yes |
| linuxdvbapi | yes |
| upnp | yes |
| inotify_h | yes |
| inotify_init1 | yes |
| linuxdvb_ca | yes |
| epoll_create1 | yes |
| mpegts | yes |
| mpegts_dvb | yes |

Packages:

| | |
|---------------|-----------|
| openssl | 1.0.2d |
| zlib | 1.2.11 |
| liburiparser | 0.8.4 |
| libavfilter | 6.82.100 |
| libswresample | 2.7.100 |
| libavresample | 3.5.0 |
| libswscale | 4.6.100 |
| libavformat | 57.71.100 |
| libavcodec | 57.89.100 |
| libavutil | 55.58.100 |
| dbus-1 | 1.6.0 |

Installation paths:

| | |
|-------------|------------------|
| Prefix: | /ffp |
| Binaries: | \${prefix}/bin |
| Libraries: | \${prefix}/lib |
| Data files: | \${prefix}/share |
| Man pages: | \${datadir}/man |

History

#1 - 2017-10-28 21:04 - saen acro

Are you use "Auto" option or add each service one by one

read this <https://tvheadend.org/boards/4/topics/29149>

#2 - 2017-10-28 21:59 - Vladimir Maksimenko

- File Network.png added

- File MUX.png added

On 4.0 muxes was added one by one. Here configuration screens:

Network.png

MUX.png

After updating from 4.0 to 4.2, I used muxes created in 4.0

When I tried add "IPTV Automatic Network", I have the same problem. Stream work 5 second and freezes on buffering.

#3 - 2017-10-28 22:10 - saen acro

ATSC ??? USA ANTI-Standard

зачем вам это нужно?

#4 - 2017-10-29 10:39 - Vladimir Maksimenko

It was accidentally installed. On other MUXes this flag didn't selected.

Похоже случайно установил, пока делал скриншот. На остальных мультиплексах он не установлен.

#5 - 2017-10-29 10:47 - saen acro

What's happens when use "IPTV Automatic" with provided url to playlist <http://iptv.didan.org/iptv.m3u>

#6 - 2017-10-29 11:52 - Vladimir Maksimenko

- File Network_Auto.png added

- File MUX_Auto.png added

saen acro wrote:

What's happens when use "IPTV Automatic" with provided url to playlist <http://iptv.didan.org/iptv.m3u>

I removed tvheadend 4.0 with all files. Then I install tvheadend 4.2.4 and configure IPTV Automatic Network with that playlist. See screens in attachment.

When I start watching stream in KODI, it's play 4-5 seconds and freezes. The same problem, when I playing stream with VLC player or in tvheadend browser player.

Network_Auto.png

MUX_Auto.png

#7 - 2017-10-29 16:55 - saen acro

Swith to "expert view" and remove LibAV on "edit network"

#8 - 2017-10-29 19:07 - Vladimir Maksimenko

- File Network_1.png added

- File Network_2.png added

There is no such parameter at 4.2.4:

Network_1.png

Network_2.png

It's present in 4.3, but it set to false at default.

#9 - 2017-10-29 21:03 - Jaroslav Kysela

Provide '--trace httpc,iptv,iptv-pcr,iptv-sub' when you tune to one stream. <https://tvheadend.org/projects/tvheadend/wiki/Traces>

#10 - 2017-10-29 21:40 - Vladimir Maksimenko

- File *trace_dtx.log* added

- File *trace_history.log* added

Jaroslav Kysela wrote:

Provide '--trace httpc,iptv,iptv-pcr,iptv-sub' when you tune to one stream. <https://tvheadend.org/projects/tvheadend/wiki/Traces>

Result in attached files

#11 - 2017-10-30 11:39 - Jaroslav Kysela

Tvheadend uses CLOCK_MONOTONIC_COARSE clocks for the real-time stream processing. It seems that your platform returns zero values for "clock_gettime(CLOCK_MONOTONIC_COARSE, &tp);" call. https://linux.die.net/man/2/clock_gettime

#12 - 2018-06-15 22:14 - Vladimir Maksimenko

Jaroslav Kysela wrote:

Tvheadend uses CLOCK_MONOTONIC_COARSE clocks for the real-time stream processing. It seems that your platform returns zero values for "clock_gettime(CLOCK_MONOTONIC_COARSE, &tp);" call. https://linux.die.net/man/2/clock_gettime

Thanks for advice.

This timer is available since Linux 2.6.32, and my NAS has Linux 2.6.31.8.

I solved this problem by commenting line

```
#define CLOCK_MONOTONIC_COARSE 6
```

in file "/include/bits/time.h"

Files

| | | | |
|-------------------|---------|------------|---------------------|
| Network.png | 24.9 KB | 2017-10-28 | Vladimir Maksimenko |
| MUX.png | 28.3 KB | 2017-10-28 | Vladimir Maksimenko |
| Network_Auto.png | 20.4 KB | 2017-10-29 | Vladimir Maksimenko |
| MUX_Auto.png | 16.6 KB | 2017-10-29 | Vladimir Maksimenko |
| Network_1.png | 26.9 KB | 2017-10-29 | Vladimir Maksimenko |
| Network_2.png | 22.6 KB | 2017-10-29 | Vladimir Maksimenko |
| trace_dtx.log | 82.4 KB | 2017-10-29 | Vladimir Maksimenko |
| trace_history.log | 62.2 KB | 2017-10-29 | Vladimir Maksimenko |