

Tvheadend - Bug #2240

tvheadend failing dropping tuners

2014-08-19 00:15 - Raymond Paulsen

Status:	Invalid	Start date:	2014-08-19
Priority:	Low	Due date:	
Assignee:	Andy Brown	% Done:	0%
Category:	DVB	Estimated time:	0.00 hour
Target version:		Affected Versions:	
Found in version:	3.9.1316~gadc5999~wheezy		
Description			
It seems that tvheadend is failing after around 4-5 hours running, all tuners (3 x hauppauge nova s2 pci) is dropped. process cx88 is terminated. Restarting tvheadend process brings tuners up and running again. So its not the firmware failing as it does with standard wheezy kernel.			

History

#1 - 2014-08-19 19:55 - Raymond Paulsen

It seems that the tuner currently in use is still running when tvheadend is dropping tuners. So if 1 tuner is in use and the other 2 is in idle only idle tuners is dropped. To recover from this issue the tvheadend process need to be restarted.

#2 - 2014-08-19 20:26 - Jaroslav Kysela

It looks like a driver issue. Try to enable the powersave option which ensure that the file descriptor for the linuxdvb frontend is re-opened in each tune request.

#3 - 2014-08-19 20:37 - Raymond Paulsen

i dont see how this could be a driver issue. server has been running for 1 year with debian 7 and backport kernel, (standard wheezy kernel has some bugs regarding the firmware that is fixed in backport) this issue staqrtd to occure after upgrading to latest unstable version of tvheadend.

currently powersave is turned of and i dont see any reasons to turn it on either, i need idle scanning 24/7 .
by the way how does powersave work?

#4 - 2014-08-20 01:24 - Raymond Paulsen

I tried to enable powersave without effect..

tvheadend fails with this logged:

```
Aug 19 22:59:43 tv rsyslogd-2177: imuxsock lost 90 messages from pid 2477 due to rate-limiting
Aug 19 23:01:43 tv rsyslogd-2177: imuxsock begins to drop messages from pid 2477 due to rate-limiting
Aug 19 23:01:56 tv rsyslogd-2177: imuxsock lost 202 messages from pid 2477 due to rate-limiting
Aug 19 23:19:14 tv kernel: [ 5306.946245] TCP: TCP: Possible SYN flooding on port 9981. Sending cookies. Check SNMP counters.
Aug 19 23:44:09 tv kernel: [ 6801.807074] cx88-mpeg driver manager 0000:01:08.2: DVB: adapter 2 frontend 0 frequency 9640010 out of range (950000..2150000)
Aug 19 23:44:13 tv kernel: [ 6805.806993] cx88-mpeg driver manager 0000:02:06.2: DVB: adapter 0 frontend 0 frequency 9640010 out of range (950000..2150000)
Aug 19 23:44:56 tv kernel: [ 6848.966514] cx88-mpeg driver manager 0000:01:06.2: DVB: adapter 1 frontend 0 frequency 9640010 out of range (950000..2150000)
```

#5 - 2014-08-20 01:37 - Raymond Paulsen

i belive pid 2477 is the tvheadend process

```
Aug 20 01:29:48 tv rsyslogd-2177: imuxsock begins to drop messages from pid 2477 due to rate-limiting
Aug 20 01:31:34 tv kernel: [13246.920089] perf samples too long (2524 > 2500), lowering kernel.perf_event_max_sample_rate to 50000
```

#6 - 2014-08-20 07:25 - Raymond Paulsen

this is what tvhead logs:

```
2014-08-20 03:53:09.024 [ ERROR]:linuxdvb: Conexant CX24116/CX24118 : DVB-S #0 - failed to tune [e=Invalid argument]
```

#7 - 2014-08-20 13:01 - Andy Brown

- Status changed from New to Need feedback

- Assignee set to Andy Brown

I believe this may be similar to the fault:

<https://tvheadend.org/issues/2243>

Can you review that fault and check for the mentioned MUX being tuned to before the issue, as if so we can close this bug and refer it in the other one as known.

#8 - 2014-08-20 14:10 - Raymond Paulsen

i believe its the same case, i use the 28.2e, 1w and 5e position with idle scan so that can probably be the reason. reverting back to some older release fixes the issue.

i will test with that mux deactivated.

#9 - 2014-08-20 14:19 - Raymond Paulsen

Raymond Paulsen wrote:

i believe its the same case, i use the 28.2e, 1w and 5e position with idle scan so that can probably be the reason. reverting back to some older release fixes the issue.

i will test with that mux deactivated.

mux 19999.99H is deactivated, lets see how long it takes before tuners are dropped again, and if that is the case

#10 - 2014-08-20 19:12 - Raymond Paulsen

It had no effect disabling mux 19999.99H on 28.2e

Aug 20 17:07:07 tv rsyslogd-2177: imuxsock lost 37 messages from pid 23032 due to rate-limiting

Aug 20 18:11:54 tv kernel: [73266.831416] cx88-mpeg driver manager 0000:01:06.2: DVB: adapter 1 frontend 0 frequency 9640010 out of range (950000..2150000)

Aug 20 18:14:43 tv kernel: [73435.977223] cx88-mpeg driver manager 0000:01:08.2: DVB: adapter 2 frontend 0 frequency 9640010 out of range (950000..2150000)

this time only the idle tuners 2 of 3 went down, the 3 tuner was still working as it has been subscribed to.

but i think this error is not long way from the other one

#11 - 2014-08-20 19:59 - Raymond Paulsen

i noticed a malformed mux on 5e onid 86 also. it might be this that is causing the lockout for my case

2014-08-20 18:14:43.194 [INFO]:mpegs: 109.99H in 5e - Viasat - Onid 86 - tuning on Conexant CX24116/CX24118 : DVB-S #2

2014-08-20 18:14:43.194 [ERROR]:linuxdvtb: Conexant CX24116/CX24118 : DVB-S #2 - failed to tune [e=Invalid argument]

109.99H

#12 - 2014-08-20 21:38 - Raymond Paulsen

Ok it seems the problem is related to those malformed muxes.

I disabled mux 19999.99H (28.2e) and 109.99H (5e) and that seems to fix the issue.

#13 - 2014-08-29 11:30 - Andy Brown

- Status changed from Need feedback to Invalid

- Priority changed from Normal to Low

Closing as duplicate of <https://tvheadend.org/issues/2243>

Which should also be resolved in latest git commit.