

Tvheadend - Bug #5883

"DVBSUB Continuity counter error " on PowerVU channels at 76.5C and 91.5C

2020-04-28 18:23 - Anonymous

Status:	New	Start date:	2020-04-28
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Affected Versions:	
Found in version:	Tvheadend 4.3-1855 and all other 4.3 versions before		

Description

Here are the tvh logs:

2020-04-28 16:10:52.511 TS: 76.5c/3920H/Animax Asia HD: DVBSUB #562 Continuity counter error (total 1)
2020-04-28 16:11:08.499 TS: 76.5c/3920H/Animax Asia HD: DVBSUB [#562](#) Continuity counter error (total 4)
2020-04-28 16:11:35.511 TS: 76.5c/3920H/Animax Asia HD: DVBSUB @ [#562](#) Continuity counter error (total 10)

The dvbsubs are in SD format, like 480i .

And the channels are HD format at 1080i.

History

#1 - 2020-04-28 19:26 - Flole Systems

Continuity errors indicate poor signal/reception errors. Did you verify if the issue is indeed a tvheadend issue and other Software is able to receive it properly?

#2 - 2020-04-29 03:17 - Anonymous

Fole Systems wrote:

Continuity errors indicate poor signal/reception errors. Did you verify if the issue is indeed a tvheadend issue and other Software is able to receive it properly?

Thank you for quickly reply. We tested on servel different places with different equipments, which running tvh on Ubuntu or Libreelec. The signal is high enough like 13DB. Other channels on the same satellite are running perfect, zero error within 48 or 72 hours. ONLY the channels with SD format dvbsubs have the errors as mentioned above.

We also tested use the E2 boxes like VU+ as receiver and stream the channel into tvh with IPTV method, then the errors disappear. So we confirm the errors could be caused by a tvh bug.

I know EU have more PowerVU channels with dvbsubs and I googled found nothing with same problem. We think the reason is these errors ONLY appear with SD format subs on HD channels. On EU channels the subs almost HD format so the bug never shows up.

#3 - 2020-04-29 12:14 - Flole Systems

a z wrote:

We also tested use the E2 boxes like VU+ as receiver and stream the channel into tvh with IPTV method, then the errors disappear. So we confirm the errors could be caused by a tvh bug.

That sounds more like whatever hardware you are using isn't able to keep up with the bandwidth and when you use a different source that issue is gone. Please try to use a different Software (not tvheadend) to make sure those errors are indeed caused by tvheadend.

#4 - 2020-04-29 18:08 - Anonymous

- File 1.png added

- File 1.ts added

That sounds more like whatever hardware you are using isn't able to keep up with the bandwidth and when you use a different source that issue is gone. Please try to use a different Software (not tvheadend) to make sure those errors are indeed caused by tvheadend.

Hello, we recorded the channels to ts files on both tvh(x86 Ubuntu) and Dvbviewer. Same time on same channel. The analysis software (TransEdit_v4_1_0) shows only the tvh recorded file has dvbsub errors. Here are the file. Please check it.

#5 - 2020-04-29 18:41 - Flole Systems

As far as I know there is no dvbviewer linux version, so you used a different driver and dvb stack by using a different operating system? Unfortunately that is not ruling out any issues in the driver and dvb stack, it only rules out a hardware defect and bad signal.

#6 - 2020-04-29 19:18 - Anonymous

We also tried Astra , same hardware and same signal source. Same driver(tbs6904) on Ubuntu x86.

#7 - 2020-04-29 19:30 - Anonymous

On the other hand, if the errors caused by a hardware defect or bad signal or some other reason. Could it be always same error logs which related to the DVBSUB section ? We tried times again with 2 months, the error log always the same , ONLY with DVBSUB section. Please check the picture I uploaded. Thank you.

#8 - 2020-04-29 20:01 - Anonymous

We also tried Astra , same hardware and same signal source. Same driver(tbs6904) on Ubuntu x86.

Astra recorded ts files with no error.

#9 - 2020-04-29 20:11 - Flole Systems

There could be issues whenever a specific bandwidth is reached and the driver is unable to keep up with that bandwidth. This has been an issue before on different hardware. As continuity errors are indicating missed packets you need to figure out where they get lost.

#10 - 2020-04-30 08:56 - Anonymous

Thank you for reply.

Now I tested again.

Test environment: one ubuntu x86 platform + one tbs6904 dvb card + 13db signal + tvh + VLC client

1, I switched tvh to Animax asia channel(5m-7m bitrate, 13DB signal),the dvbsub errors appears within 3 minutes and continuously exist.

2, On same hardware and same ubuntu x86 with same dvb card driver, same satellite ,then I switched to Disney asia channel (6m-8m bitrate, 13DB signal) ,play perfect with no error within 3 hours. Please note that the channel ONLY contain HD format dvsubs.

3, On same hardware and same ubuntu x86 with same dvb card driver, I stopped tvh and start Astra , the Animax asia channel(which has many errors on first step) ,plays perfect with no error now.

The errors only occur on dvbsub section, we tested 20+ times within 2 months, always the same. Like this:

```
2020-04-30 12:38:21.768 TS: 91.5C/4120H/SET ONE (Mandarin): DVBSUB #2304 Continuity counter error (total 1)
2020-04-30 12:39:00.601 TS: 91.5C/4120H/SET ONE (Mandarin): DVBSUB #2304 Continuity counter error (total 4)
2020-04-30 12:43:20.306 TS: 91.5C/4120H/SET ONE (Mandarin): DVBSUB @ #2301 Continuity counter error (total 1)
```

I noted that ONLY channels contain SD format DVBSUB got the errors(Animax [asia@76.5C](#) , Sony [one@91.5C](#) , BBC @91.5C) . Those channels contain HD format DVBSUB (Disney asia channel) play perfect. All these are PowerVU channels.

#11 - 2020-04-30 10:55 - Anonymous

One more thing:

The errors only appear in Subscriptions -- Error .

In the stream page, there is zero error, including all 3 sections -- Uncorrected Blocks \ Transport Errors \ Continuity Errors. These 3 sections are all zero.

#12 - 2020-04-30 10:55 - Anonymous

- File 3.jpg added

#13 - 2020-04-30 11:02 - Anonymous

- File 4.jpg added

#14 - 2020-05-06 20:51 - Tom W

Flole Systems wrote:

Continuity errors indicate poor signal/reception errors. Did you verify if the issue is indeed a tvheadend issue and other Software is able to receive it properly?

That is usually said - but this is not always true.

Try the following:

Send a encrypted stream from an external tvh to tvh with cam.

Result:

- no errors while getting the encrypted stream from the reception card.

- cc error while handling the encrypted stream

//Tom

#15 - 2020-05-30 04:35 - Anonymous

Hello,

I tried TVH 4.2 on powervu channel(SONY ONE @ 91.5C), the subtitle has ZERO errors. But the TVH 4.3 got many errors in the same environment.

I tested again and again, the results always the same. The errors only show on Subscriptions. (TVH 4.3)

One of the differences between 4.2 and 4.3 is CW mode , maybe the codes related to the CW mode part has problem?

Please help me , thank you very much!

Files

1.png	134 KB	2020-04-29	Anonymous
1.ts	55.4 MB	2020-04-29	Anonymous
3.jpg	429 KB	2020-04-30	Anonymous
4.jpg	118 KB	2020-04-30	Anonymous