Tvheadend - Bug #4931

Ziggo: No epg data at all with latest master head

2018-02-10 12:26 - bas t

Status:	Fixed		**Start date:**	2018-02-10
Priority:	Normal		**Due date:**	
Assignee:	Adam Sutton		**% Done:**	0%
Category:	EPG		**Estimated time:**	0.00 hour
Target version:				
Found in version:	4.3-1049~g088be1abe		**Affected Versions:**	

Description

With newest master head (4.3-1049~g088be1abe) I don't get epg data anymore.
Version 4.3-1022~g7710304cd still works as expected.

I did --trace eit,epg but no traces get logged. I do get this: ERROR]:config: unkown subsystem 'eit' But not a single line with [
TRACE]:epg:
This ERROR]:config: unkown subsystem 'eit' entry is in the tracelog of 4.3-1022~g7710304cd too, but then lots of trace entries for
epg appear and the epg is filled correctly

Please let me know if I can do anything helpful.

Associated revisions

Revision 1d2374ae - 2018-02-12 20:03 - Jaroslav Kysela

dvb psi: add nit network id filter for EIT NIT callback (Ziggo), issue #4931

History

#1 - 2018-02-10 12:49 - bas t

- File tvheadend4.3-1022.log added

- File tvheadend4.3-1049.log added

Upload the logs.

#2 - 2018-02-10 12:52 - Andy Gardner

My EPG has also been empty for the last few days after I did a tvheadend upgrade.

I notice there are new EIT grabber modules for Freeview NZ.

In the repository /data/conf/epggrab/eit/config file:

```
##

"nz_freeview2": {
"name": {
"eng": "New Zealand: Freeview Local"
},
"nit": {
"Freeview ": {
"onid": 8746,
"nbid": [ 13313, 13314, 13315, 13316 ],
"tsid": [ 26, 27, 28, 31, 32 ]
}
},
"prio": 5,
"conv": "huffman",
"hacks": {
"svc-net-lookup": 1
}
},

"nz_freeview1": {
    "name": {
```

```
        "eng": "New Zealand: Freeview Base"
      },
      "nit": {
        "Freeview ": {
          "onid": 8746,
          "nbid": [ 13313, 13314, 13315, 13316 ]
        }
      },
      "prio": 1,
      "conv": "huffman"
    },
```

##

The TSID's showing in my MUX list for Christchurch NZ are 28 32 33 34 and 35

So those are different from the ones showing in that config file.

#3 - 2018-02-10 12:59 - saen acro

What Input you use?
it work for me in DVB-T-C-S

#4 - 2018-02-10 13:03 - Hanspeter Müller

It's not limited to NZ, all EIT seems to be affected (xmltv works), i've reverted to 4.3-1006 where it still works...

#5 - 2018-02-10 13:03 - bas t

[Sean Sean](#) acro: Lucky you.
It does not work for me anymore.
BTW: I'm on cable (DVB-C) in the Netherlands with Ziggo as a provider.

#6 - 2018-02-10 14:31 - bas t

I did a bisect and I think I've found the offending commit:

6dcdd5dfa33e241ddc5e2a0821cf043417674152

The previous commit:

78f63ac18458e75147fc9680b7ae5dfa95d180d5

still works.

I'm not much of a coder so I don't know what part of the offending commit is to blame.

Cheers,
Tycho.

#7 - 2018-02-10 17:50 - Jaroslav Kysela

Show '--trace tbl-eit' .

#8 - 2018-02-10 18:06 - bas t

Will do. But tomorrow, as tvheadend is recording some shows atm and I don't want to interupt.
Cheers,
Tycho.

#9 - 2018-02-10 18:53 - bas t

- File tvheadend.log added

So I had another look at what shows are recording atm. I decided that solving the issue is of greater importance to me.
Added --trace tbl-eit log.

#10 - 2018-02-10 20:19 - Jaroslav Kysela

Add 'tbl-base' to traces, too. (--trace tbl-eit,tbl-base)

#11 - 2018-02-11 08:22 - bas t

- File tvheadend-tbl-eit-tbl-base.log added

Here it is. It's huge.

#12 - 2018-02-11 17:47 - Jaroslav Kysela

It appears that the issue is in the base SI table code. Could you try latest? v4.3-1051-gade772d1f

#13 - 2018-02-11 18:06 - Alister Kunga

same problem no epg 4.3-1051 ~ gade772d

#14 - 2018-02-11 18:24 - bas t

@Jaroslav Kysela
What kind of trace log do you need to debug this some more?

#15 - 2018-02-11 18:36 - Jaroslav Kysela

Like the last one.

#16 - 2018-02-11 18:44 - bas t

- File new-trace.log added

Here you go..

#17 - 2018-02-11 19:24 - Jaroslav Kysela

It seems that there's another bug which ignores NIT table 0x40 - could you upload 30 seconds of MPEG-TS data? Use play URL from the mux grid as source for wget or curl.

#18 - 2018-02-11 20:24 - bas t

Does it matter witch version I use? I'm running 4.3-1029~g78f63ac18 right now.

Also, can't I just use kodi to record 30 secs of mpeg-ts data? I'm not sure what you mean by "Use play URL from the mux grid as source for wget or cur".

#19 - 2018-02-11 20:53 - bas t

Ah, got it.
But I get a 'error' while trying to upload the data

#20 - 2018-02-11 21:09 - bas t

Hi, I uploaded to wetransfer.com. Using a browser, you can get it at:

https://wetransfer.com/downloads/b697ad5682ed8c031d9495501b369b9220180211195555/d84c56

#21 - 2018-02-11 22:16 - Pim Zandbergen

Running HTS Tvheadend 4.3-1051~gade772d1f

EPG for DVB-S is fine (Astra 1, 2, Hotbird, Thor)
EPG for DVB-C is missing (Ziggo Den Haag)

#22 - 2018-02-11 22:29 - Pim Zandbergen

Note that both bas t and myself use Ziggo

#23 - 2018-02-11 22:39 - Pim Zandbergen

There's a nice online analyzer for Ziggo at http://www.dtvmonitor.com/nl/

#24 - 2018-02-12 09:18 - Jaroslav Kysela

It works here. Perhaps, you have set wrong 'Network ID' in the network settings. Reset this value to zero, or describe the reason, why you set this value.

#25 - 2018-02-12 10:50 - bas t

Setting a specific value is mandatory when you have Ziggo as a provider in the Netherlands.
Usually it is 5555 (I used this value up until today), but after some googling I found that in some cases 4444 has to be used. I first tested this value with 4.3-1029~g78f63ac18 to check that it works and it did.
But using 4.3-1051~gade772d1f, I still don't get any epg data.

I recorded another 30 secs, this time using 4.3-1051~gade772d1f, hoping it will shed some light on the matter.

https://wetransfer.com/downloads/5e96db7981d3433715ac74b65c6ea7d820180212094202/b6ce18

#26 - 2018-02-12 13:55 - Jaroslav Kysela

The right value is 0x600 or 1536 decimal.

```
2018-02-12 09:09:50.926 [   TRACE]:tbl-base: nit: pid 10 tableid 40 extraid 0000000000000600 len 923
2018-02-12 09:09:50.926 [   TRACE]:tbl-base: nit:  section 1 last 4 ver 4 (ver 255 st 0 incomp 1 comp 0)
2018-02-12 09:09:50.927 [   TRACE]:tbl-base: nit:  dtag 5F dlen 4
2018-02-12 09:09:50.927 [   TRACE]:tbl-base: nit:   private 00000602
2018-02-12 09:09:50.927 [   TRACE]:tbl-base: nit:  dtag D2 dlen 22
2018-02-12 09:09:50.927 [   DEBUG]:tbl-base: nit: network 0600 (1536) []
```

#27 - 2018-02-12 13:57 - Jaroslav Kysela

And grep shows that there are not other network ids, so you can set this filter to zero:

```
2018-02-12 09:09:50.927 [   DEBUG]:tbl-base: nit: network 0600 (1536) []
2018-02-12 09:09:51.963 [   DEBUG]:tbl-base: nit: network 0600 (1536) []
2018-02-12 09:09:53.034 [   DEBUG]:tbl-base: nit: network 0600 (1536) []
2018-02-12 09:09:54.071 [   DEBUG]:tbl-base: nit: network 0600 (1536) []
2018-02-12 09:09:54.780 [   DEBUG]:tbl-base: nit: network 0600 (1536) [Ziggo Network]
2018-02-12 09:09:55.750 [   DEBUG]:tbl-base: nit: network 0600 (1536) []
```

#28 - 2018-02-12 15:37 - bas t

Tested with value 0 and it works. Of course this violates all online documentation of Ziggo, but who cares, as long as it's working...
Thanks a million and cheers,
Tycho.

#29 - 2018-02-12 15:49 - bas t

Hmmmm...
I spoke too soon, most of it works, but there are quite a few channels that show some epg data, but mostly 'no information availabel'.
So there's more to it, it's not fixed yet. Maybe this strange network id settings from Ziggo are required after all.

#30 - 2018-02-12 16:26 - bas t

Setting the network id to 0 also messed up my muxes, I have to regenerate them right now, so 0 is wrong.

#31 - 2018-02-12 16:26 - Richard K

I had the same EPG problem on the Ziggo network.
Always used Network ID 4444, but now I needed to change it to 1536 to start receiving EPG data again.
Not sure if this is caused by a change in the Ziggo network or if something changed in Tvheadend (upgraded this weekend to Build: 4.3-1049)

#32 - 2018-02-12 16:31 - bas t

I'll try that setting as soon as I regenerated all muxes and services. Thanks for the heads up.

#33 - 2018-02-12 16:55 - bas t

Still no luck, it's even worse than setting it to 0.
Now I know that Ziggo uses numerous network configs, depending on your location.
I'm in Hoogeveen, that's original Ziggo network and not the merged UPC network.
There are quite a few differences between the two. It's a nightmare...

#34 - 2018-02-12 17:01 - bas t

Anyhow, version 4.3-1029~g78f63ac18 still works as it should with network id 5555

And somewhere this year I'll get a fiberglass connection with another DVB-C provider, they can't possibly do it as wrong as Ziggo.

#35 - 2018-02-12 19:57 - Pim Zandbergen

Before the Ziggo/UPC merger, network ID's used to be different for each region.
But now, to quote the Ziggo website:

> De frequentie en het netwerk-ID voor deze Ziggo CI+ Module is in heel Nederland hetzelfde. Gebruik de volgende gegevens:
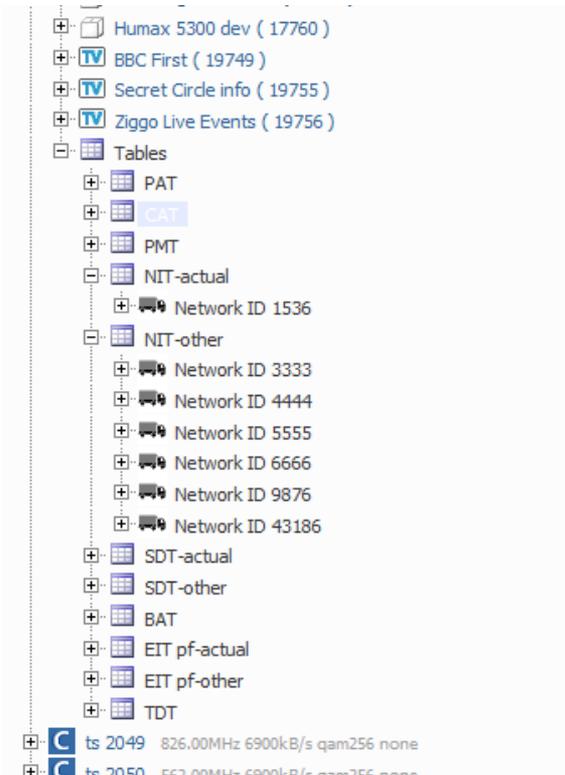
> Frequentie: 47400, 474000 of 474
> Netwerk-ID: 5555 of 05555
> Modulatie: 64-QAM

Symboolsnelheid: 6875

#36 - 2018-02-12 20:56 - Pim Zandbergen

- File nit.png added

according to http://www.dtvmonitor.com/nl/ziggo-denhaag , 1536 is "NIT-actual", and 5555 is one of "NIT-other" values.

#37 - 2018-02-12 21:01 - Jaroslav Kysela

OK, I see. The actual network should be tagged as 0x40, but it seems that your broadcaster just "don't care to create proper muxes for all locations" so we must force to use the other NIT. I'll do a fix.

#38 - 2018-02-12 21:04 - Jaroslav Kysela

Retest with master (with the network id set as before).

#39 - 2018-02-12 21:07 - Pim Zandbergen

The only exception to network ID 5555, according to Ziggo, is for all Philips TV's built in 2010, and Philips TV's from the 6000 Series built in 2011.

Supposedly, they can not remember the channels under network ID 5555.

They should use a different ID, that differs for each region. In The Hague, they should use 43186.

#40 - 2018-02-12 21:13 - Pim Zandbergen

You fixed it again Jaroslav!

#41 - 2018-02-12 21:26 - Jaroslav Kysela

- Subject changed from No epg data at all with latest master head to Ziggo: No epg data at all with latest master head

- Status changed from New to Fixed

#42 - 2018-02-13 04:14 - bas t

Confirmed fix.
Thanks a lot.

Files

tvheadend4.3-1049.log		30.8 KB	2018-02-10	bas t

tvheadend4.3-1022.log	2.83 MB	2018-02-10	bas t
tvheadend.log	72.6 KB	2018-02-10	bas t
tvheadend-tbl-eit-tbl-base.log	53.4 MB	2018-02-11	bas t
new-trace.log	44.7 MB	2018-02-11	bas t
nit.png	13.2 KB	2018-02-12	Pim Zandbergen