

Tvheadend - Feature #5717

SAT>IP Map Different sources between each other

2019-08-19 16:25 - Flole Systems

Status:	New	Start date:	2019-08-19
Priority:	Normal	Due date:	
Assignee:	Jaroslav Kysela	% Done:	0%
Category:	SAT>IP	Estimated time:	0.00 hour
Target version:			
Description			
Sometimes it is necessary to map sources, for example if you want to have a DVB-S transponder in a network that usually DVB-C only it is necessary to map the DVB-S Frequency/Mux to a DVB-C Frequency. It would probably be a good idea to extend the IPTVs Map functionality to also cover the other DVB variants.			

History

#1 - 2019-08-19 16:32 - saen acro

<https://tvheadend.org/issues/2762>

#2 - 2019-08-20 03:39 - Flole Systems

@saen acro

Thanks, not really the same. I came up with a patch that at least does dvb-s to dvb-c/dvb-t mapping, everything else is just copy and paste which I didn't want to do (because I don't need it and because changes will be harder then). Basically all that we need to do now is go through all the sources and add dvb-c/dvb-t/dvb-s where appropriate (dvb-s doesn't need to be mapped to dvb-s, so skip that one). In terms of the patch that would mean copying the top part and adapting it where necessary.

Patch:

```
--- ./src/input/mpegts/mpegts_mux_dvb.c
+++ ./src/input/mpegts/mpegts_mux_dvb.c
@@ -530,6 +530,22 @@
     .get      = dvb_mux_dvbs_class_orbital_get,
     .opts     = PO_ADVANCED | PO_RDONLY
 },
+ {
+     .type     = PT_U32,
+     .id       = "dvb_satip_dvbc_freq",
+     .name     = N_("SAT>IP DVB-C frequency (Hz)"),
+     .off      = offsetof(dvb_mux_t, mm_dvb_satip_dvbc_freq),
+     .desc     = N_("For example: 312000000. This frequency is 312Mhz."),
+     .opts     = PO_ADVANCED
+ },
+ {
+     .type     = PT_U32,
+     .id       = "dvb_satip_dvbt_freq",
+     .name     = N_("SAT>IP DVB-T frequency (Hz)"),
+     .off      = offsetof(dvb_mux_t, mm_dvb_satip_dvbt_freq),
+     .desc     = N_("For example: 312000000. This frequency is 312Mhz."),
+     .opts     = PO_ADVANCED
+ },
+ },
+ {}
+ }
+ };
--- ./src/input/mpegts/mpegts_dvb.h
+++ ./src/input/mpegts/mpegts_dvb.h
@@ -38,6 +38,13 @@
 * Tuning information
 */
 dvb_mux_conf_t lm_tuning;
+
+ /*
+ * Frequencies for Mapping
+ */
+ uint32_t mm_dvb_satip_dvbt_freq;
+ uint32_t mm_dvb_satip_dvbc_freq;
```

```

+ uint32_t mm_dvb_satip_dvbs_freq;
+ } dvb_mux_t;

/*
--- ./src/satip/rtsp.c
+++ ./src/satip/rtsp.c
@@ -641,6 +641,24 @@
     }
 }
#endif
+   if (idnode_is_instance(&mn->mn_id, &dvb_network_class)) {
+       LIST_FOREACH(mux, &mn->mn_muxes, mm_network_link) {
+           if (rs->dmc.dmc_fe_type == DVB_TYPE_T &&
+               deltaU32(rs->dmc.dmc_fe_freq, ((dvb_mux_t *)mux)->mm_dvb_satip_dvbt_freq) < 2000)
+               break;
+           if (rs->dmc.dmc_fe_type == DVB_TYPE_C &&
+               deltaU32(rs->dmc.dmc_fe_freq, ((dvb_mux_t *)mux)->mm_dvb_satip_dvbc_freq) < 2000)
+               break;
+           if (rs->dmc.dmc_fe_type == DVB_TYPE_S &&
+               deltaU32(rs->dmc.dmc_fe_freq, ((dvb_mux_t *)mux)->mm_dvb_satip_dvbs_freq) < 2000)
+               break;
+           }
+       if (mux) {
+           dmc = rs->dmc;
+           rs->perm_lock = 1;
+           break;
+       }
+   }
+   if (mux == NULL && mn2 &&
+       (rtsp_muxcnf == MUXCNF_AUTO || rtsp_muxcnf == MUXCNF_KEEP)) {

```

@Jaroslav: What do you think about this?