Tvheadend - Feature #1277

XMLTV mapping should be done case-insensitive

2012-09-29 19:59 - Guillaume B

Status:	New		Start date:	2012-09-29
Priority:	Normal		Due date:	
Assignee:	Adam Sutton		% Done:	0%
Category:	EPG - Grabbers		Estimated time:	0.00 hour
Target version:				

Description

My TVHeadend installation didn't automatically match all the channel names from my XMLTV feed to the ones I have scanned on french DVBT.
I think I identfied the problem beiing that the names are not compared in a case **insensitive** manner.

EG:

```
XMLTV             CHANNEL
M6                M6       -> OK
FRANCE 2          France 2 -> KO
```

History

#1 - 2012-09-29 20:38 - Adam Sutton

- Tracker changed from Bug to Feature

Moved to feature request as I don't consider it a big per se. Though I completely understand your point and will look into it. I do something similar elsewhere, in fact o think I go further and ignore whitespace as well.

Adam

#2 - 2012-10-01 19:49 - Guillaume B

I don't know if simply skipping whitespaces will suffice.

For instance, we have both SD ans HD versions of France 2 here in France, but they obviously follow the same EPG.
Now, a simple strcasecmp() will fail with:

```
XMLTV             Channel
France 2          France 2 HD -> KO
```

I don't know what should be the rule for matching channels, maybe remove the "HD" version, or compare with strncasecmp() for the minimal length of all? (actually, no, because "Canal + Sport" would match "Canal +" for instance...; I guess this issue is not simple).

Maybe, for the far future, there could be a heuristic filter that would ask the user to confirm the closest match.

#3 - 2012-10-01 21:02 - Adam Sutton

I only mentioned spaces because its quite common for spaces to be removed from service names to keep them small. HD removal (for comparison) could be added, though generally is a bad idea because it might be a perfect simulcast for you, but that's not always the case for everyone. I would much rather have the XMLTV scripts handle this or let the user manually set those few HD channels post initial detection.

As for heuristics I think that's very unlikely to be implemented in TVH, for several reasons:

1. It's generally doomed to failure, it won't pick everything up and users will still need to manually manage some mappings, worse it may false detect or muddle things up and this might not be obvious.

2. Mapping of channels "should" be an infrequent event and so the addition of a small number of detections from heuristic matching is likely to have negligible effect.

3. There is already a better way of handling this within the XMLTV framework, namely XMLTV lineup files. Though these are not well used at present, they at least represent a sensible way of mapping from DVB services to XMLTV channel IDs. These are not currently supported, but there is a PR to integrate support that I still need to review.

Adam

#4 - 2013-01-24 22:24 - Walter Purcaro

Adam,
Any news about xmltv lineups support?

#5 - 2013-01-26 01:22 - Adam Sutton

It never got finished and I've not been able to properly review what is there and pick it up.

Adam