

## Tvheadend - Bug #3136

### DVR filenames too long - limit filenames length

2015-10-07 10:55 - g siviero

<b>Status:</b>	Fixed	<b>Start date:</b>	2015-10-07
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Adam Sutton	<b>% Done:</b>	100%
<b>Category:</b>	PVR / DVR	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Affected Versions:</b>	
<b>Found in version:</b>	4.1-560~g5355464		
<b>Description</b>			
<p>If I select "Include Subtitle In Filename" and the subtitle is very long Example:</p> <p>title = Long Island Medium - 1^TV</p> <p>subtitle = St.6 Ep.7 'Il coach Theresa' - Theresa e Larry visitano il ristorante in cui mangiavano ogni giorno durante i loro appuntamenti. In seguito, Theresa aiuta una donna che sta tentando di lottare contro i suoi sentimenti...</p> <p>the filename recorded that I get is like:</p> <p>"Long-Island-Medium---1^TV.St.6-Ep.7-'Il-coach-Theresa'---Theresa-e-Larry-visitano-il-ristorante-in-cui-mangiavano-ogni-giorno-durante-i-loro-appuntamenti.-In-seguito,-Theresa-aiuta-una-donna-che-sta-tentando-di-lottare-contro-i-suoi-sentimenti....2015-10"</p> <p>with no extension (so DLNA clients do not find it). Also If I remove/delete it from the recording list, the entry is removed from the DVR finished recordings, but not from the disk.</p> <p>Is there a way to limit the file length? For example trim the subtitle length so that the full name gets recorded?</p> <p>At the moment I'm using a NFS share on a Ext3 partition, so I think the max filename length should be 254:</p> <p>For NTFS file system it's 255 characters <a href="http://en.wikipedia.org/wiki/Ntfs">http://en.wikipedia.org/wiki/Ntfs</a></p> <p>For Ext3 file system it's 254 characters <a href="http://en.wikipedia.org/wiki/Ext3">http://en.wikipedia.org/wiki/Ext3</a></p> <p>For Ext4 file system it's 256 characters <a href="http://en.wikipedia.org/wiki/Ext4">http://en.wikipedia.org/wiki/Ext4</a></p>			

#### Associated revisions

##### Revision dbeee1ca - 2015-10-09 09:57 - Jaroslav Kysela

DVR: filename checker - more intelligent logic (keep extension), fixes #3136

##### Revision 1ffad118 - 2015-10-09 15:03 - Jaroslav Kysela

deferred\_unlink: fix for very long filenames, fixes #3136

##### Revision 85e4f7a1 - 2015-10-12 09:42 - Jaroslav Kysela

utils: fix deferred\_unlink again for long filenames, fixes #3136

##### Revision 67b71ee8 - 2015-10-12 10:12 - Jaroslav Kysela

Webui: dvrfile - fix the attachment filename cutoff, fixes #3136

#### History

##### #1 - 2015-10-07 11:06 - g siviero

from the log

Recording with subtitle:

dvr:

```
/mnt/tv/Record/Real-Time/Long-Island-Medium---1^TV.St.6-Ep.7-'Il-coach-Theresa'---Theresa-e-Larry-visitano-il-ristorante-in-cui-mangiavano-ogni-giorno-durante-i-loro-appuntamenti.-In-seguito,-Theresa-aiuta-una-donna-che-sta-tentando-di-lottare-contro-i-suoi-sentimenti....2015-10-' from adapter: "DiBcom 7000PC : DVB-T #0", network: "DVB-T", mux: "682MHz", provider: "Persidera", service: "Real Time"
```

Error when trying to remove recording:

"dvr: Unable to remove file

```
"/mnt/tv/Record/Real-Time/Long-Island-Medium---1^TV.St.6-Ep.7-'Il-coach-Theresa'---Theresa-e-Larry-visitano-il-ristorante-in-cui-mangiavano-ogni-giorno-durante-i-loro-appuntamenti.-In-seguito,-Theresa-aiuta-una-donna-che-sta-tentando-di-lottare-contro-i-suoi-sentimenti....2015-10-' from disk -- Errore sconosciuto -36"
```

Recording without subtitle

```
dvr: /mnt/tv/Record/Real-Time/Long-Island-Medium---1^TV.2015-10-07.10-20.ts from adapter: "DiBcom 7000PC : DVB-T #0", network: "DVB-T", mux: "682MHz", provider: "Persidera", service: "Real Time"
```

## #2 - 2015-10-07 11:47 - g siviero

I looked in `src/dvr/dvr_rec.c` and a check on the filename length is made actually.

The code is a bit complicated for me, but it looks like the filename includes the extension (*/* Substitute extension */*) **at the time it is controlled for length and eventually trimmed** (*/* Check the maximum filename length *\*/*).

I think the resulting filename should keep the filename extension in any case, otherwise the file will be unusable.

So I think that the filename length control should be made on the filename without the extension, and the extension kept in any case.

## #3 - 2015-10-08 21:30 - saen acro

Do you really need description of event in file name?

One of best solution is all that info to be contained in MKV "description"

## #4 - 2015-10-09 09:17 - g siviero

If I use `xmltv`, the description (subtitle) in most cases contains the episode title/number and I find it very useful to have it in the file name.

For channels with EIT EPG info, sometimes the subtitle field contains also the description/plot of the episode and it may be very long.

I can disable the feature "subtitle in filename" for the recordings on these channels, but I think that if someone unknowingly enabled it, the system should generate anyway a valid filename, that is always keep the file extension.

If the file is saved without extension, it cannot be indexed by DLNA servers, so it cannot be directly played by DLNA clients.

If I rename it, the corresponding entry in `tvheadend` would go in the errors recording page.

It also looks like that if I remove from the completed recording page an entry corresponding to one of these files, the entry is removed but the file remains on the filesystem (NAS via NFS):

```
Oct 9 09:12:29 raspberrypi tvheadend20338: dvr: delete entry 191d9cae0c7621062b123836d01636a5 "Il nostro piccolo grande amore" on "Real Time" start time 2015-10-09 08:29:30, scheduled for recording by "192.168.1.72", retention 60 days
```

```
Oct 9 09:12:29 raspberrypi tvheadend20338: dvr: Unable to remove file
```

```
"/mnt/tv/Record/Real-Time/Il-nostro-piccolo-grande-amore.2015-10-09.08-45.St.5-Ep.5-'La-prima-Festa-della-Mamma'---Per-Jen-e'-la-prima-Festa-del-la-Mamma-ma-purtroppo-deve-lavorare,-cosi'-Bill-aiuta-Will-a-realizzare-un-regalo-per-questa-mamma-davvero-speciale.-Inoltre,-la-coppia-c' from disk -- Errore sconosciuto -36
```

For the MKV part, I have to use the TS container/extension, because some of my DLNA clients do not recognize the MKV container.

I still have the description on the completed recordings page of `tvheadend`, so that is not an issue.

## #5 - 2015-10-09 11:57 - Jaroslav Kysela

- Status changed from New to Fixed

- % Done changed from 0 to 100

Applied in changeset [tvheadend|dbee1ca81ff39a7b09e4c0dbd391a73d6c75adc](#).

## #6 - 2015-10-09 11:58 - Jaroslav Kysela

- Status changed from Fixed to New

- % Done changed from 100 to 0

Fixed in `v4.1-572-gdbee1c` - the file name is cut before the extension.

## #7 - 2015-10-09 15:01 - g siviero

Now the files have the extension but I'm still not able to remove them from the web interface

Oct 9 14:41:53 raspberrypi tvheadend<sup>32162</sup>: dvr: /mnt/tv/Record/Real-Time/Il-boss-delle-torte.2015-10-09.14-10.St.6-Ep.4-'Torta-sushi'---Buddy-e-il-suo-team-stanno-realizzando-una-torta-squisita-per-raccogliere-fondi-dopo-un-uragano-a-Hoboken.-In-seguito,-Buddy-crea-un-dolce-a-forma-di-barca-per-un-ristorante-giapponese-1.ts from adapter: "DiBcom 7000PC : DVB-T #0", network: "DVB-T", mux: "682MHz", provider: "Persidera", service: "Real Time"

I get an "unknown error -36" message:

Oct 9 14:42:27 raspberrypi tvheadend<sup>32162</sup>: dvr: Unable to remove file /mnt/tv/Record/Real-Time/Il-boss-delle-torte.2015-10-09.14-10.St.6-Ep.4-'Torta-sushi'---Buddy-e-il-suo-team-stanno-realizzando-una-torta-squisita-per-raccogliere-fondi-dopo-un-uragano-a-Hoboken.-In-seguito,-Buddy-crea-un-dolce-a-forma-di-barca-per-un-ristorante-giapponese-1.ts from disk -- Errore sconosciuto -36

the entry is removed from the web interface but not from the filesystem.

Other issue symptoms:

I record I file, for example I get:

Oct 9 14:54:04 raspberrypi tvheadend<sup>32162</sup>: dvr: /mnt/tv/Record/Real-Time/Il-boss-delle-torte.2015-10-09.14-45.St.6-Ep.5-'Vedo-doppio'---Buddy-e-la-famiglia-affrontano-una-corsa-contro-il-tempo-per-aprire-la-nuova-pasticceria.-Inoltre,-due-gemelle-identiche-chiedono-una-torta-di-compleanno\_-ma-avranno-anche-gli-stessi-gu.ts from adapter: "DiBcom 7000PC : DVB-T #0", network: "DVB-T", mux: "682MHz", provider: "Persidera", service: "Real Time"

If I see it via "Windows explorer" I see the complete file name

"Il-boss-delle-torte.2015-10-09.14-45.St.6-Ep.5-'Vedo-doppio'---Buddy-e-la-famiglia-affrontano-una-corsa-contro-il-tempo-per-aprire-la-nuova-pasticceria.-Inoltre,-due-gemelle-identiche-chiedono-una-torta-di-compleanno\_-ma-avranno-anche-gli-stessi-gu.ts"

But if I "download" the file in windows (via the web interface in Chrome) I get a file named

"Il-boss-delle-torte.2015-10-09.14-45.St.6-Ep.5-'Vedo-doppio'---Buddy-e-la-famiglia-affrontano-una-corsa-contro-il-tempo-per-aprire-la-nuova-pasticceria.-Inoltre,-due-gemelle-identiche-chiedono-una-torta-di-comple"

and Windows thinks that the extension is "-Inoltre,-due-gemelle-identiche-chiedono-una-torta-di-comple"

I can remove the files from Windows Explorer or from the command line.

#### #8 - 2015-10-09 17:03 - Jaroslav Kysela

- Status changed from New to Fixed

- % Done changed from 0 to 100

Applied in changeset [tvheadend|1ffad11881c63db416f2ee957740ab1a29d145b7](#).

#### #9 - 2015-10-09 17:04 - Jaroslav Kysela

- % Done changed from 100 to 0

Could you try v4.1-579-g1ffad11 ?

#### #10 - 2015-10-09 17:04 - Jaroslav Kysela

- % Done changed from 0 to 100

#### #11 - 2015-10-09 17:07 - Jaroslav Kysela

Only little note: There's no filename size limit for HTTP download - blame chrome.

#### #12 - 2015-10-09 17:27 - g siviero

- File Screenshot\_download.png added

Well, actually I also tested Firefox, both under Windows and under Ubuntu, and the download issue was present in both.

I will try the new release as soon as I can and let you know.

Thanks.

#### #13 - 2015-10-12 09:20 - g siviero

I tested 4.1-579-g1ffad11 and now I do not get the error "-36" when I delete a recording from the web interface, but now I cannot remove ANY recording from the web interface.

#### #14 - 2015-10-12 09:32 - Jaroslav Kysela

It was fixed in v4.1-584-g6769c0e .

**#15 - 2015-10-12 09:50 - g siviero**

Ok, I tested version 4.1-579~g1ffad11 and I can again remove recordings with "normal length" filenames.  
I still cannot download with correct name and cannot remove from the filesystem files with the "long" filename.  
Should I open a different issue/ticket?

**#16 - 2015-10-12 12:13 - Jaroslav Kysela**

Could you retest with v4.1-592-g67b71ee ? Both issues should be resolved. Basically, one buffer was smaller than I expected (browser issue).

**#17 - 2015-10-12 14:36 - g siviero**

I confirm you that with version 4.1-593~g054fc2e files with long names (from subtitle in filename):  
- are recorded with extension  
- can be downloaded with correct name from web interface  
- are correctly removed both from DVR finished recordings entries and filesystem  
So far so good.  
Thanks

**Files**

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Screenshot_download.png	109 KB	2015-10-09	g siviero
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