

collecting_society - Verarbeitung #374

Replace pydub for preview generation

04/17/2017 05:18 AM - Alexander Blum

Status:	Neu	Start date:	
Priority:	Normal	Due date:	
Assignee:	Thomas Mielke	% Done:	0%
Category:		Estimated time:	5.00 hours
Target version:	Repertoire 3) Testing phase III	Spent time:	0.00 hour
Description			
As we will definitely have the usecase of audio files with more than 2 channels and as pydub is not capable of handling this due to constraints in the python wave library , we need to replace it.			
Maybe a combination of direct calls to ffmpeg for compression/conversion and sox for the preview composition (fadein/crossfades/fadeout) could be reasonable.			

History

#1 - 04/17/2017 02:00 PM - Thomas Mielke

- Assignee changed from Thomas Mielke to Alexander Blum

Another option would be to first create a temporary mono/16bit/11.025Hz wav file using ffmpeg or sox. Then we use this to

- cut out the excerpt
- create the preview and
- create the fingerprint.

This should notably increase processing speed. I suggest we change the preview format from 8.000 to 11.025 Hz to avoid a resampling step.

#2 - 04/17/2017 06:22 PM - Alexander Blum

- Assignee changed from Alexander Blum to Thomas Mielke

Thomas Mielke wrote:

first create a temporary mono/16bit/11.025Hz wav

good idea.

using ffmpeg or sox

then ffmpeg. sox is currently not installed.

preview format from 8.000 to 11.025 Hz to avoid a resampling step.

right now it's [16000](#)

if the quality is acceptable, then I'm fine, but it could happen, that we need a bit more to comfort the ears of the web users. the estimate of the preview size should also be included in [Estimates](#).

#3 - 06/28/2018 12:09 AM - Alexander Blum

- *Estimated time changed from 4.00 to 5.00*

#4 - 10/08/2019 03:39 PM - Alexander Blum

- *Target version changed from 3) Testing phase III to Repertoire 3) Testing phase III*

#5 - 10/08/2019 03:50 PM - Alexander Blum

- *Project changed from repertoire to collecting_society*