

Problem with skipped frames

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Hi every one,

I have build a video-decoder transform filter. This filter seems to work fine in the MediaPlayer when I replay *.avi files with my own FourCC code, which my decoder filter is registered for.

The "transform" function of my filter, which is loaded into the MediaPlayer-Graph receives buffers with video-frames in form of a "MediaSample".

Now I discovered, that the MediaPlayer does not send EVERY SINGLE MediaSample to my filter. Some MediaSamples seem missing. Since my decoder (H.264) works with temporal compression, a missing Sample (video frame) messes up the decoding of all following frames.

I can prove that frames are missing, because the "Frame Number" (part of the encoded bitstream) in the samples is not continuously.

Surprisingly though, calling the method VideoTransformFilter->IsDiscontinuity() ALWAYS returns FALSE, and VideoTransformFilter->GetMediaTime(pStartTime, pEndTime) shows continues timing.

Can anybody explain this behaviour, and maybe knows how I can encorce a "non-skipping" policy.

Regards
Peter

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