

unified audio model

Source:

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Hello,

This conversion is done by Software Mixer. The software mixer will convert all audio streams (from the applications) to a common format (16-bit stereo, 44.1 KHz or the registry specified value) combine them into a single stream, and pass that to the driver. This is due to the fact that audio hardware can be configured for one format at a time and that format is the output format of the software mixer. The settings for Software Mixer are located under the following registry key

[HKEY_LOCAL_MACHINE\Audio\SoftwareMixer]

This is also depends on the number of streams that UAM driver is exposing to the system (in WODM_GETTEXTDEVCAPS).

Suppose UAM driver says it can mix 3 streams in the hardware, then first two streams are directly allocated to the applications, third one is reserved for the software mixer. So third stream is set to use the output format of the software mixer (it is not the applications format).

A. Thirupathi Reddy

>-----Original Message-----

>hi all,

>

>i am working on an audio driver based on unified audio model.

>i see some mismatch in the .wav format being passed down to the audio driver

>from

>waveapi manager.

>

>for example:

>when i run the .wav file with format mono 8bit 11KHz using the application

>wavplay.exe

>the format passed to my audio driver through the waveapi manager is

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>*different,*
>*stereo 16bit 44KHz.*
>
>*regards*
>*neo*
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>
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>
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