

Re: Connecting a raw file to transform filter.

Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.directx.video/2008-02/msg00>

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 - *Date:* Thu, 21 Feb 2008 12:43:06 -0500
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From: "taklubaba"

[...]

What should I do to get the raw source filter to DIRECTLY connect to the transform function input pin. Also what should be done to make the transform filter connect DIRECTLY to a file output.

What you are experiencing is the expected behavior. The AsyncReader only works in pull-mode through the IAsyncReader interface while almost any other filter only works in push-mode through IMemInputPin, including your transform filter, so a direct connection is impossible and IntelligentConnect inserts a filter that can adapt from pull- to push-mode and accepts the proposed media type (which is empty because the AsyncReader can not determine the file type), that is a parser filter, which happens to be an MPEG parser because MPEG parsers are the one that usually accept empty media types.

The easiest and best solution is to write a custom push source filter that will simply push blocks of data to your transform and that offers a media type your transform filter accepts. You can take a look at the PushSource and Ball samples.

Otherwise, if you don't want to write a push source, you can modify your transform's input pin to work in pull-mode, which will also imply spawning a streaming thread to pull the data. The MPEG-1 parser on www.gdcl.co.uk is a sample of such a filter.

Last, you can write an actual parser filter to insert in between the AsyncReader and your transform that does nothing but spawn a thread that pulls from the reader and pushes to the transform.

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