From:	Anthony Bay (Exchange)
Sent:	Monday, June 07, 1999 11:24 AM
To:	Will Poole; Chadd Knowlton (Exchange); Tom Honeybone (Exchange); Mike Beckerman (Exchange); Craig Eisler (Exchange); Greg Carpenter
Cc:	Scott Harrison (Exchange); Ramiro Calvo (Exchange), Amir Majidimehr (Exchange); Cory Van Arsdale (LCA); Dwight Krossa; Gary Schare
Subject:	RE: MSAudio - extra interface required

craige owns this for dev. i imagine some combo of mikebeck and chaddk need to help.

we need an airtight description of what compatible content is and need to reflect this is all relevant licensing.

this is a very high priority issue.. we must get this right.

-----Original Message-----
From: Will Poole
Sent: Monday, June 07, 1999 11:19 AM
To: Anthony Bay (Exchange); Chadd Knowlton (Exchange); Tom Honeybone (Exchange); Mike Beckerman (Exchange); Craig Eisler (Exchange); Greg Carpenter; Will Poole
Cc: Scott Harrison (Exchange); Ramiro Calvo (Exchange); Amir Majidimehr (Exchange); Cory Van Arsdale (LCA); Dwight Krossa; Gary Schare
Subject: RE: MSAudio - extra interface required

Agree that we should not add features to support this effort to create an incompatibility of content formatted using our technologies. We clearly need to think these scenarios through in greater depth and write a clear *internal* position paper so we can all be sure we're on the same page.

Owner of this would be GregCa for marketing (he's on vaca this week and most of next week though).

-----Original Message-----
From: Anthony Bay (Exchange)
Sent: Monday, June 07, 1999 10:58 AM
To: Chadd Knowlton (Exchange); Tom Honeybone (Exchange); Mike Beckerman (Exchange); Craig Eisler (Exchange); Gary Schare
Cc: Scott Harrison (Exchange); Ramiro Calvo (Exchange); Amir Majidimehr (Exchange); Cory Van Arsdale (LCA); Will Poole; Greg Carpenter; Dwight Krossa
Subject: RE: MSAudio - extra interface required

i agree with chadd.

> -----Original Message-----
> From: Chadd Knowlton (Exchange)
> Sent: Monday, June 07, 1999 10:32 AM
> To: Anthony Bay (Exchange); Tom Honeybone (Exchange); Mike Beckerman
> (Exchange); Craig Eisler (Exchange); Gary Schare
> Cc: Scott Harrison (Exchange); Ramiro Calvo (Exchange); Amir Majidimehr
> (Exchange); Cory Van Arsdale (LCA); Will Poole; Greg Carpenter
> Subject: RE: MSAudio - extra interface required
>
> This does sound like exactly the same situation. They seem to be
> reading an asf file, parsing it on the server side using a filter
> graph to get the media data out of it, then sending the media data via
> rtp to their player. Do I have something wrong here? If not, then
> this doesn't seem like goodness and I wouldn't want to set a precedent
> for supporting such a thing. They should send WM (read: asf) on the wire.

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Plaintiff's Exhibit

8176

Comes V. Microsoft
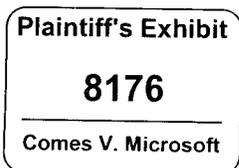
```
>
>       -----Original Message-----
>       From: Anthony Bay (Exchange)
>       Sent: Monday, June 07, 1999 8:59 AM
>       To:   Tom Honeybone (Exchange); Mike Beckerman (Exchange); Chadd
> Knowlton (Exchange); Craig Eisler (Exchange); Gary Schare
>       Cc:   Scott Harrison (Exchange); Ramiro Calvo (Exchange); Amir
> Majidimehr (Exchange); Cory Van Arsdale (LCA); Will Poole; Greg Carpenter
>       Subject:   RE: MSAudio - extra interface required
>
>       isn't this the same conversation we had with them when they got all
> pissed off a couple months ago?  if we treat cisco this way, what
> obligations do we have to other ISVs?
>
>       -----Original Message-----
>       From: Tom Honeybone (Exchange)
>       Sent: Monday, June 07, 1999 8:56 AM
>       To: Anthony Bay (Exchange); Mike Beckerman (Exchange); Chadd Knowlton
>       (Exchange); Craig Eisler (Exchange); Gary Schare
>       Cc: Scott Harrison (Exchange); Ramiro Calvo (Exchange); Amir
> Majidimehr
>       (Exchange)
>       Subject: RE: MSAudio - extra interface required
>
>
>       Sorry I didn't make this clear.
>       These guys are working from the WMP SDK as opposed to the WMAudio
> SDK. I haven't reviewed that license but I'm pretty sure it was drawn
> up before we thought about WMAudio.
>
>       Let me try asking the question a different way:
>       Is it OK for Cisco to stream an ASF file (containing WMAudio
> content) from the IPTV server & have it play back in the IPTV client
> using the WMAudio codec to decompress?
>
>       Tom Honeybone
>       tomhon@microsoft.com
>       Program Manager, Windows Media Technologies
>       Office +1 (425) 703 6743
>       Mobile +1 (425) 503 4364
>
>       -----Original Message-----
>       From:      Anthony Bay (Exchange)
>       Sent: Friday, June 04, 1999 5:02 PM
>       To:   Tom Honeybone (Exchange); Mike Beckerman (Exchange); Chadd
> Knowlton (Exchange); Craig Eisler (Exchange); Gary Schare
>       Cc:   Scott Harrison (Exchange); Ramiro Calvo (Exchange); Amir
> Majidimehr (Exchange)
>       Subject:   RE: MSAudio - extra interface required
>
>       not sure i completely understand what they are doing.. but
>
>       we need to hold cisco to same terms as other wma users.  they need to
> use the SDK and sign the commercial agreement.  if we don't enforce it
> with them, we won't be able to with other ISVs.
>
>       the core goal is to ensure content compatability.  i have been
> consistent with csco on this.
>
>       -----Original Message-----
>       From: Tom Honeybone (Exchange)
>       Sent: Friday, June 04, 1999 3:59 PM
>       To: Mike Beckerman (Exchange); Chadd Knowlton (Exchange); Anthony Bay
>       (Exchange)
>       Cc: Scott Harrison (Exchange); Ramiro Calvo (Exchange); Amir
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> Majidimehr
>   (Exchange)
>   Subject: RE: MSAudio - extra interface required
>   Importance: High
>
>
>   Chadd/Anthony - I think this may need you guys to make a call.
>
>   Cisco aren't using the WMAudio SDK - they're reading an ASF file at
> their server using bits of our player, then pinning out in DShow &
> passing the bit stream into their server's streaming engine. They
> stream RTP to their client - inside their network filter is hooking up
> to our codec & that's when they look for the key.
>
>   So the critical question is this: is it OK for them to do this
> because they use ASF as the storage format or do we have a problem
> with it because a vanilla WMP couldn't play the content from their
> server?
>
>
>
>   -----Original Message-----
>   From: Mike Beckerman (Exchange)
>   Sent: Thursday, June 03, 1999 8:56 AM
>   To: Scott Harrison (Exchange); Ramiro Calvo (Exchange); Chadd
> Knowlton
>   (Exchange); Amir Majidimehr (Exchange); Tom Honeybone (Exchange)
>   Subject: RE: MSAudio - extra interface required
>
>
>   Yes, they are running into the decoder key. Our story today is that
> they can either read from file, or read from a WMT-supported protocol,
> of which RTP isn't one. Given that, I'm not sure how they can use the
> SDK to accomplish what they're trying to do (other than to write a
> file-yuck.) Chadd, is there an alternative available to Cisco today
> w/o us having to change 4.0 or change our licensing terms?
>
>   -----Original Message-----
>   From: Scott Harrison (Exchange)
>   Sent: Wednesday, June 02, 1999 6:27 PM
>   To: Mike Beckerman (Exchange); Ramiro Calvo (Exchange)
>   Subject: FW: MSAudio - extra interface required
>
>   FYI-
>
>   -----Original Message-----
>   From: Tom Honeybone (Exchange)
>   Sent: Wednesday, June 02, 1999 7:20 AM
>   To: Amir Majidimehr (Exchange); Ming-Chieh Lee (Exchange)
>   Cc: Scott Harrison (Exchange)
>   Subject: FW: MSAudio - extra interface required
>
>
>   Amir/Ming - see the problem report from Cisco below - I'm guessing
> but are they seeing that the decoder is keyed? If so I guess we have
> another decision point - is streaming an ASF file from their server
> using RTP something we're OK with? Abay was pretty clear - he didn't
> want to create incompatibilities - this sounds to me like an
> incompatibility so if I had to call it I'd say no. Thoughts?
>
>   Tom Honeybone
>   tomhon@microsoft.com
>   Program Manager, Windows Media Technologies
>   Office +1 (425) 703 6743
>   Mobile +1 (425) 503 4364

```
>
>       -----Original Message-----
>       From:        Chia-Chee Kuan [mailto:ckuan@cisco.com]
>       Sent: Tuesday, June 01, 1999 10:32 PM
>       To:    Tom Honeybone (Exchange); Tom Honeybone (Exchange)
>       Cc:    philg@cisco.com; evdavis@cisco.com; scottf@cisco.com; Scott
> Harrison (Exchange); sbulger@lint.cisco.com
>       Subject:     RE: MSAudio - extra interface required
>
>       At 10:03 PM 6/1/99 -0700, Tom Honeybone (Exchange) wrote:
>       >Chia-Chee
>       >I'm not sure if I understand the scenario in which you're trying to
> use the
>       >decoder - can you elaborate?
>
>       Tom,
>
>       I apologize for not being more clear.  We dug too deep today to pop
> back up to the high level scenario.
>       IP/TV server has the capability to serve ASF files.  In this case,
> any ASF file with MSAudio can be served by IP/TV server.  However,
> IP/TV viewer is not able to wire up the filter graph for audio decode.
> According to Scott Firestone's diagnosis, MSAduio filter queries for a
> special undocumented COM interface from its up-stream filter.  In this
> case, the up-stream filter is IP/TV source filter, which fails to
> provide this undocumented interface.  Therefore, the filter graph
> fails to be connected.  In the case of WMP, the up-stream filter is
> ASF ACM Handler, which provided this interface, and therefore, MSAudio
> filter graph is successfully connected.
>       To solve this problem, we could (1) implement the undocumented
> interface, in which case, we need some document from you as to what it
> is. Or (2) MSAudio decode filter can allow the filter graph to be
> connect and decoded without requiring this special interface
> (GUIDZ1C39A1-DE53-11CF-AA63-0080C744528D).  (Scott, please correct me
> if I am quoting you incorrectly).
>       Tom, please feel free to let me know if the above description is not
> sufficient.
>       We are more than happy to provide further details.
>       Thanks again for looking into this matter for us.
>       Chia-Chee
>       >Thx Tom
>       >
>       >Tom Honeybone
>       >tomhon@microsoft.com
>       >Program Manager, Windows Media Technologies
>       >Office +1 (425) 703 6743
>       >Mobile +1 (425) 503 4364
>       >
>       > -----Original Message-----
>       >From:        Chia-Chee Kuan [mailto:ckuan@cisco.com]
>       >Sent:        Tuesday, June 01, 1999 6:57 PM
>       >To:    tomhon@exchange.microsoft.com
>       >Cc:    philg@cisco.com; evdavis@cisco.com; scottf@cisco.com;
>       >scotthar@exchange.microsoft.com; sbulger@lint.cisco.com
>       >Subject:     Fwd: MSAudio - extra interface required
>       >
>       >Tom,
>       >
>       >We discovered today that we are not able to use the latest
>       >MSAudio DirectShow decoder on our viewer for decoding
>       >IP/TV served MSAudio streams.  The attached e-mail
>       >describes the technical details.   With the undocumented
>       >extra COM interface required by MSAudio decoder implementation,
>       >it makes software integration with MSAudio decoder filter
>       >nearly impossible.
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>      >
>      >I understand that we are not getting the live encoding feature from
>      >MSAudio.  Is there a limitation for MSAudio decoding as well?
>      >Either way, we are stuck and need your help desperately.
>      >Could you please help us out?
>      >
>      >Thanks,
>      >
>      >Chia-Chee
>      >
>      >>X-Sender: scottf@ursamajor.cisco.com
>      >>X-Mailer: QUALCOMM Windows Eudora Pro Version 4.0.2
>      >>Date: Tue, 01 Jun 1999 17:03:04 -0700
>      >>To: scotthar@Exchange.Microsoft.com
>      >>From:    Scott Firestone <scottf@cisco.com>
>      >>Subject:  MSAudio - extra interface required
>      >>Cc: ckuan
>      >>
>      >>
>      >>Scott:
>      >>
>      >>We are trying out the MSAudio DirectShow decoder with our IPTV
>      >>product.  IPTV was designed to work with any DirectShow decoder,
>      >>however with the MSAudio decoder, apparently we are supposed to
>      >>provide some kind of rate-control or file-control interface for the
>      >>decoder in addition to providing the correct DirectShow MediaType.
>      >>Normally, when reading a MSAudio file from disk, the ASF ACM
> Handler
>      >>filter provides this interface.  However, with IPTV, we provide
> the
>      >>MSAudio stream directly from the network using our source filter,
> so
>      >>there is no ASF ACM Handler.  Since the ASF ACM Handler isn't
> around
>      >>to provide the interface, we have to provide it ourselves.  Here's
>      >>the GUID of this interface that the MSAudio decoder queries:
>      >>
>      >>8E1C39A1-DE53-11CF-AA63-0080C744528D
>      >>
>      >>The problem is, I can't find this GUID or a description of the
>      >>interface in any of the SDKs.  Can you provide us with a
> description
>      >>of this GUID interface?
>      >>
>      >>Thanks.
>      >>
>      >>-Scott Firestone
>      >>
>      >>
>      >>Scott Firestone          scottf@cisco.com
>      >>Cisco Systems            Phone: 408 525-4790
>      >>170 W Tasman Dr
>      >>San Jose, CA 95134
>      >>
>      >
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