

Outgoing Message

QuickTime, Win 98, and Media Player

Page 1 of 1

Subject: QuickTime, Win 98, and Media Player
Date: 7/21/98 9:09 AM
To: C. Charles Perry, cperry@microsoft.com
Eric A. Sigmund, esigmund@microsoft.com
CC: Tim Schlarf, tsma@apple.com

Crusier@o. Enc.

When you guys visited us several weeks ago, you indicated that you thought you had fixes for the problems we were experiencing with QuickTime and your new Media Player. We tested the revised version you sent against QuickTime. Unfortunately, it did not behave any differently.

I wanted to get back to you try to make some progress on this. It's a big issue for Apple.

The basic problem is very simple. When QuickTime is installed by a customer, we want to be able to associate the QuickTime Plug-in with the various MIME types QuickTime supports. In Netscape Navigator this is handled automatically by the browser plug-in API. With IE 3.0, this worked somewhat. However, with Windows 98 and with your latest Media Player software, this standard plug-in mechanism seems to be completely ignored.

It appears that your software is using info from the Windows Registry to determine what MIME types get routed to which pieces of software. As you know, the Windows Registry is not publicly documented. To the extent that Internet Explorer relies on this undocumented info from the Windows Registry to determine which software should be invoked to process different MIME types on the web page, third-party developers, like Apple, are getting hurt.

We do not experience this problem with .MOV files (though, we do with .QT files). However for all the other file types we support (e.g., AVI, WAV, AU, AIFF, MIDI,...) Your software either ignores the plug-in settings or overrides our attempts to manipulate the registry to achieve the desired behavior.

Either IE needs to properly implement support for the Plug-in API or Microsoft needs to tell us how to set the registry to achieve the behavior we are getting automatically in Navigator. It's unacceptable that everytime a new version of the Media Player, or Direct X, or Windows itself is installed that QuickTime is getting overridden by your software.

Can you help me solve this problem?

Thanks,

Tim

WSAP 02143

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Confidential AC153
SEP 14 98 01:16PM APPLE COMPUTER

P.13 11

14082575165

09/14/98 13:23

Subject: Fred, QuickTime, Win 95, and Media Player
 Date: 7/28/98 8:02 AM
 To: Eric Engstrom, eengst@microsoft.com
 Cristiano Perry, cperry@microsoft.com
 CC: Tim Schaaf, tms@apple.com

Hi Guys,

Not sure if the following e-mail I sent last week ever made it to you, so I'm sending it again. Please let me know if there's someone else I should be working with to find a resolution. We're pretty anxious to resolve the problems outlined in my note, so I'd really appreciate a response.

Thanks

Tim

----- Begin Forwarded Message -----
 Date: 7/21/98 9:10 AM
 Received: 7/21/98 9:10 AM
 From: Tim Schaaf, tms@apple.com
 To: Cristiano Perry, cperry@microsoft.com
 Eric Engstrom, eengst@microsoft.com
 CC: Tim Schaaf, tms@apple.com

Cristiano, Eric,

When you guys visited us several weeks ago, you indicated that you thought you had fixes for the problems we were experiencing with QuickTime and your new Media Player. We tested the revised version you sent against QuickTime. Unfortunately, it did not behave any differently.

I wanted to go back to you try to make some progress on this. It's a big issue for Apple.

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It appears that your software is using info from the Windows Registry to determine what MIME types get routed to which pieces of software. As you know, the Windows Registry is not publicly documented. To the extent that Internet Explorer relies on this undocumented info from the Windows Registry to determine which software should be invoked to process different MIME types on the web page, third-party developers, like Apple, are getting hurt.

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Either IE needs to properly implement support for the plug-in API or Microsoft needs to tell us how to set the registry to achieve the behavior we are getting automatically in Navigator. It's unacceptable that everytime a new version of the Media Player, or Direct X, or Windows itself is installed that QuickTime is getting overridden by your software.

Can you help me solve this problem?

Thanks,

Tim

 Tim Schaaf
 Senior Director, Interactive Media Group
 QuickTime, QuickTime VR, QuickDraw 3D

Apple Computer
 Infinite Loop, MS J02-3K3
 Cupertino, CA 95014
 USA

E-Mail: tms@apple.com
 Voice: 408-842-7729
 Fax: 408-974-8429

http://www.apple.com/quicktime/

11:11 PM

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----- End Forwarded Message -----

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AC/55

P.5/11

09/14/98 13:23
 SEP 14 '98 01:16PM
 APPLE COMPUTER
 14082575165

Subject: RE: QuickTime, Win 98 and Media Player
 Date: 8/5/98 11:38 AM
 Received: 8/5/98 11:45 AM
 From: Cristiano Perry, cperry@microsoft.com
 To: Tim Schaaff, tims@apple.com
 Eric Engstrom, ericeng@microsoft.com
 CC: Cristiano Perry, cperry@microsoft.com

My answers are in blue below.

Please let me know if this answers your questions. And feel free to contact me again if you have any other questions.

Thanks,

Cris

-----Original Message-----

From: Tim Schaaff (mailto:tims@apple.com)
 Sent: Tuesday, July 28, 1998 9:09 AM
 To: Eric Engstrom; Cristiano Perry
 Cc: Tim Schaaff
 Subject: Fwd: QuickTime, Win 98, and Media Player

Hi Guys,

Not sure if the following e-mail I sent last week ever made it to you, so I'm sending it again. Please let me know if there's someone else I should be working with to find a resolution. We're pretty anxious to resolve the problems outlined in my note, so I'd really appreciate a response.

Thanks,

Tim

-----Begin Forwarded Message-----

Date: 7/21/98 9:10 AM
 Received: 7/21/98 9:10 AM
 From: Tim Schaaff, tims@apple.com <mailto:tims@apple.com>
 To: Cristiano Perry, cperry@microsoft.com <mailto:cperry@microsoft.com>
 Eric Engstrom, ericeng@microsoft.com <mailto:ericeng@microsoft.com>
 CC: Tim Schaaff, tims@apple.com <mailto:tims@apple.com>

Cristiano, Eric,
 When you guys visited us several weeks ago, you indicated that you thought you had fixes for the problems we were experiencing with QuickTime and your new Media Player. We tested the revised version you sent against QuickTime. Unfortunately, it did not behave any differently. I wanted to get back to you try to make some progress on this. It's a big issue for Apple.

The basic problem is very simple. When QuickTime is installed by a customer, we want to be able to associate the QuickTime Plug-in with the various MIME types QuickTime supports. In Netscape Navigator this is handled automatically by the browser plug-in API. With IE 3.0, this worked somewhat. However, with Windows 98 and with your latest Media Player software, this standard plug-in mechanism seems to be completely ignored.

As you are aware, Internet Explorer prefers the use of ActiveX controls. These controls are registered in the MIME database. Your QT 3.01 control is not registering itself as an ActiveX control in the MIME database. Since our controls do register as ActiveX controls, they will be given preference over all other applications. My recommendation is that you enable an ActiveX control for Internet Explorer and register it correctly.

Example:
 [MIME_CASE_SENSITIVE,ROOTMIME\Database\Content Type\audio\all]
 "Extension": ".aiff"
 "CLSID"="{22D6F212-80F6-11D0-94AB-0080C74C7E95}"

Where the CLSID listed is the CLSID of the QT 3.01 control

For more information, please check out the following web page:

<http://www.microsoft.com/workshop/components/activex/registration.htm>
<http://www.microsoft.com/workshop/components/activex/registration.htm>

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SEP 14 1998 01:17PM APPLE COMPUTER
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11/5/98

It appears that your software is taking info from the Windows Registry to determine what MIME types get routed to which pieces of software. As you know, the Windows Registry is not publicly documented. To the extent that Internet Explorer 4 relies on this undocumented info from the Windows Registry to determine which software should be invoked to process different MIME types on the web page, third-party developers, like Apple, are pulling hair.

This method used to take over IE 4 MIME types is clearly and explicitly documented in the IE SDK.

We do not experience this problem with .MOV files (though we do with .QT files).

We have not been able to reproduce your experience with the .QT files. The exception being on IE 3.0 where they do not play back through your plugin when you are the site over the top of Windows. In all other cases, the .QT files played back through the QT plugin.

However for all the other file types we support (e.g., AVI, WAV, AU, AIFF, MIDI, ...). Your software either ignores the plug-in settings or overrides our attempts to manipulate the registry to achieve the desired behavior.

Why would you take over WAV, AVI and MIDI? These are Microsoft Windows formats. It is surprising to us that you would take over Windows formats. To answer your question, IE gives precedence to the files registered in the MIME database as ActiveX controls.

Either IE needs to properly implement support for the plugin API or Microsoft needs to tell us how to set the registry to achieve the behavior we are getting automatically in Navigator. It's unacceptable that everytime a new version of the Media Player, or Direct X, or Windows itself is installed that QuickTime is getting overruled by your software.

Again, please refer to the following web page for the proper way to register media types.

<http://www.microsoft.com/workshop/components/activex/registration.htm>
<http://www.microsoft.com/workshop/components/activex/registration.htm>

Can you help me solve this problem? Tim

Please let me know if this answers your questions. And please don't hesitate to contact me again if there is anything else that I can help with.

Thanks,

Cris.
Thanks.

Tim

.....
Tim Schall
Senior Director, Interactive Media Group
QuickTime, QuickTime VR, QuickDraw 3D

Apple Computer
1 Infinite Loop, MS 302-3KS
Cupertino, CA 95014
USA

E-Mail: tim_s@apple.com <tim_s@apple.com>
Voice: 408-862-7753
Fax: 408-874-5426

<http://www.apple.com/quicktime/>
<http://www.apple.com/quicktime/>
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AC157

09/14/98 13:24 14882575165
SEP 14 '98 01:17PM APPLE COMPUTER

11/1/98

Subject: RE: QuickTime, Win 98, and Media Player
 Date: 8/5/98 2:04 PM
 To: Cristiano Pierry, cpierry@microsoft.com
 CC: Eric Engstrom, enccng@microsoft.com
 Tim Schaaff, tms@apple.com

Cristiano,

Thanks for the response.

Short of reworking everything as an ActiveX control, I would like to understand how to achieve the desired effect with our current plug-in. You didn't address that issue at all

>As you are aware, Internet Explorer prefers the use of ActiveX controls.

If I didn't use it, what if I just want my existing QuickTime Plug-in work properly? I would have at least expected you to maintain good compatibility with the existing, widely adopted standards, such as the Netscape Plug-in API. Besides, ActiveX is only supported on Windows and only with Internet Explorer. That's a bit narrow, don't you think?

>Why would you take over WAV, AVI and MIDI? These are Microsoft Windows formats.

Why would you take over QuickTime movies? These are Apple formats. The fact is that many of these file formats have become de-facto internet standard formats. As such, Apple wants to be able to bring some of the unique benefits of QuickTime to these formats. By the way, MIDI isn't a Microsoft format at all. MIDI was created by the MIDI Manufacturers Association (MMA). The MMA is an industry consortium of which both our companies are members. The MIDI format is an industry standard like MPEG.

Tim

Cristiano Pierry 8/5/98 11:38 AM

>My answers are in blue below.

>Please let me know if this answers your questions. And feel free to contact me again if you have any other questions.

>Thanks,

>Chris

>-----Original Message-----
 >From: Tim Schaaff [mailto:tms@apple.com]
 >Sent: Tuesday, July 28, 1998 9:03 AM
 >To: Eric Engstrom, Cristiano Pierry
 >Cc: Tim Schaaff
 >Subject: Fwd: QuickTime, Win 98, and Media Player

>Hi Guys,

>Not sure if the following e-mail I sent last week ever made it to you, so I'm sending it again. Please let me know if there's someone else I should be working with to find a resolution. We're pretty anxious to resolve the problems outlined in my note, so I'd really appreciate a response.

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>Date: 7/21/98 9:10 AM
 >Received: 7/21/98 9:10 AM
 >From: Tim Schaaff, tms@apple.com <tms@apple.com>
 >To: Cristiano Pierry, cpierry@microsoft.com
 >cc: eric.Engstrom@microsoft.com
 >ms.tschaff@microsoft.com
 >Cc: Tim Schaaff, tms@apple.com <tms@apple.com>

>Cristiano, Eric,
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 >The basic problem is very simple. When QuickTime is installed on a customer, we want to be able to associate the QuickTime MIME type with the various MIME types QuickTime supports. In Netscape this is handled automatically by the browser plugin API. With IE this worked sort-of. However, with Windows 98 and with your latest

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>Media Player software, this standard plug-in mechanism seems to be
>completely ignored.

>

>As you are aware, Internet Explorer prefers the use of ActiveX controls.
>These controls are registered in the MIME database. Your QT 3.01 control
>is not registering itself as an ActiveX control in the MIME database. Since
>you do not do register as ActiveX controls, they will be given preference
>over all other applications. My recommendation is that you create an
>ActiveX control for Internet Explorer and register it correctly.

>

>Example:
>HKKEY_CLASSES_ROOT\MIME\Database\Content Type\application
>Extension=.qt
>CLSID={2206F312-80F6-11D0-84A8-0080C74C7E98}

>

>Where the CLSID listed is the CLSID of the QT 3.01 control.

>

>For more information, please check out the following web page:
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>Please let us know if this answers your questions. And please don't
>hesitate to contact me again if there is anything else that I can help with.

>

>The JG

>

>CNC

>Thanks,

>

>Tim

>

>.....

>Tim Schaff
>Senior Director, Interactive Media Group
>QuickTime, QuickTime VR, QuickDraw 3D

>

>Apple Computer
>1 Infinite Loop, MS 302-3K5

P. 9 11

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SEP 14 1998 13:24
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09/14/98 13:24

> Cupertino, CA 95014
 > USA
 >
 > E-mail: macos.lms@apple.com
 > Voice: 408-862-7753
 > Fax: 408-874-5436
 >
 > <http://www.apple.com/quicktime/>
 > mailto:macos.lms@apple.com
 >
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 > ----- End Forwarded Message
 >

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09/14/98 13:25
 SEP 14 11:18PM APPLE COMPUTER
 14082975165

V-586

Subject: Web-behaved Video Digitizers
Date: 8/12/98 11:23 PM
To: Eric Engstrom, ericeng@microsoft.com

Eric,

My team is asking for advice on how to ensure that a video digitizer will always draw the preview data inside its window. Today when the preview window is moved, we do not receive notification of the change in window's clip area. This can sometimes lead to video preview data being drawn outside the window bounds.

I assume you have solved this problem and that there is a standard mechanism that HW capture cards are supposed to use to avoid this problem.

Can you point us at some relevant info or let us know someone else I should talk to? We appreciate any pointers you can provide.

Thanks,

Tim

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09/14/98 13:25
SEP 14 01:18PM APPLE COMPUTER
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