

Re: How to replace an attachment from a file.wav to a winmail.dat

Source:

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.messaging/2008-06/msg0009>

- *From:* Rodrigo Mendes <RodrigoMendes@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Thu, 19 Jun 2008 06:32:01 -0700
-

Hi Dmitry,

As you know, we succeeded to convert the .wav attachment into winmail.dat and also sending the modified e-mail to it's destiny. But we faced one problem: the machine that this DLL will be installed does not have Outlook installed on. And it will not have Outlook installed on.

Due to this, when the code tries to convert back from MAPI to MIME using the API IConverterSession:MAPIToMIMEStm, on that machine we get the MAPI_E_BAD_CHARWIDTH error.

We tried to install and register the OUTLMIME.DLL, but it was not enough. I believe that this issue has two possible solutions: the first would be to install the Outlook on this machine, and the second one would be to implement manually the IConverterSession. Otherwise, there is no other way. Is this correct ? And if it is, how complex this implementation can be ?

"Dmitry Streblechenko" wrote:

Hard to say without seeing the actual code, but do you release the attachment table and every attachment before calling MAPIToMIMEStm? IMessage created on top of an MSG file won't let you reopen the attachment table while an old one is still alive.

--

Dmitry Streblechenko (MVP)
<http://www.dimastr.com/>
OutlookSpy - Outlook, CDO
and MAPI Developer Tool

-

"Rodrigo Mendes" <RodrigoMendes@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message <news:01E05F48-C801-4F1A-B061-688FF36BAD58@xxxxxxxxxxxxxxxxxxxx>

Hi Dmitry.

I've made some progress on this, but I'm stuck in another part of the solution.

Re: How to replace an attachment from a file.wav to a winmail.dat

This is what I've made so far:

- 1) we copied the contents of the received e-mail into a file, using the `pMailMsg->CopyContentToFileAtOffset` method.
- 2) we created one stream object with the contents of the file using the `OpenStreamOnFile` function.
- 3) After that, we created a storage with `StgCreateStorageEx` function.
- 4) And then, we can use the `OpenIMsgOnIStg` function that you mentioned.
- 5) we converted the contents of the stream to the `IMessage` using the `IConverterSession:MIMEtoMAPI`
- 6) we got the attachment list using functions `GetAttachmentTable`, `HrQueryAllRows`, and using the `OpenAttach` function, I verified if there is an attachment to be handled.
- 7) using the `DeleteAttach` function, I deleted the old attachment
- 8) using the `CreateAttach` function, I created the new attachment
- 9) then I setted the following props:
`props[0].ulPropTag = PR_ATTACH_TRANSPORT_NAME;`
`props[0].Value.lpszA = pszWinmail;`

`props[1].ulPropTag = PR_ATTACH_LONG_FILENAME;`
`props[1].Value.lpszA = pszWinmail;`

`props[2].ulPropTag = PR_ATTACH_FILENAME;`
`props[2].Value.lpszA = pszWinmail;`

`props[3].ulPropTag = PR_MESSAGE_CLASS;`
`props[3].Value.lpszA = pszMessageClass;`

`hr = lpDstAttach->SetProps(4, props, NULL);`
- 10) after that, we opened a new stream using the `OpenProperty` function
- 11) and we created the new tnef stream using the `OpenTnefStreamEx`
- 12)we added the props to this tnef using the `pTnef->AddProps` function
- 13) we finished this tnef using `pTnef->Finish`
- 14) we committed the new stream `pStrmDst->Commit`
- 15) we saved the changes into the new attachment
`lpDstAttach->SaveChanges(KEEP_OPEN_READWRITE);`

Re: How to replace an attachment from a file.wav to a winmail.dat

16) and saved also the changes into the IMessage
pIMsg->SaveChanges(KEEP_OPEN_READWRITE)

17) and then, when I try to convert back to MIME using
pConverterSession->MAPIToMIMEStm(pIMsg, pStreamFileOut,
CCSF_SMTP)))

I got an error (E_ACCESSDENIED). This error on this conversion only
happens
if the ConverterSession is placed after the SaveChanges from the new
Attach.

Can you help me ?

Thanks in advance one more time,
Rodrigo

"Dmitry Streblechenko" wrote:

Do you mean you have a stream with the MIME contents
that you need to
import
into IMessage>
Extended MAPI knows nothing about MIME. You can use
IConverterSession to
convert MIME to MAPI if you have Outlook 2002 or higher
installed (can't
do
that on an Exchange server machine) or you will need to write
your own
parser
to parse the MIME message and set the corresponding MAPI
properties one
property at a time.

--
Dmitry Streblechenko (MVP)
<http://www.dimastr.com/>
OutlookSpy – Outlook, CDO
and MAPI Developer Tool

–
"Rodrigo Mendes"
<RodrigoMendes@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in
message
news:7355F8E1-D903-4228-8723-1B976A6A92F6@xxxxxxxxxxxxxxxxxxxx

Re: How to replace an attachment from a file.wav to a winmail.dat

Hi again Dmitry,

Let me ask you some more things related to this subject.

We've made some progress, and now were stuck in another place.

Let me write what we have done so far:

First, we copied the contents of the received e-mail into a file, using the pMailMsg->CopyContentToFileAtOffset method.

Then, we created one stream object with the contents of the file using the OpenStreamOnFile function.

After that, we created a storage with StgCreateStorageEx function. And then, we can use the OpenIMsgOnIStg function that you mentioned.

But we have a problem. Between the OpenStreamOnFile function and the StgCreateStorageEx function, we need to copy the contents of the IStream into the IMessage interface.

We tried to use the HrIStorageFromStream function, but it only works for reading. And we need to manipulate it.

Do you have any suggestion on this ?

Thanks one more time.

"Rodrigo Mendes" wrote:

Well, I'm not allowed to say in details due to confidentiality matters, but my customer integrates on

Re: How to replace an attachment from a file.wav to a winmail.dat

his solution the email programs that everybody uses (lets say, email program "A", which deals with regular MIME format) with the MS Exchange 2003, which deals with TNEF format. They will have to encapsulate the .wav files that program "A" attaches into TNEF format in order to MS Exchange receive it as a "regular" winmail.dat attachment.

Thanks for your help so far.

"Dmitry Streblechenko"
wrote:

I am still curious why your customer needs – the real attachment would still need to be extracted. One way to get IMessage is to create a temporary MSG file using OpenIMsgOnIStg. Yes, you would need to construct the TNEF data one

Re: How to replace an attachment from a file.wav to a winmail.dat

byte at a
time.

--

Dmitry
Streblechenko
(MVP)
<http://www.dimastr.com/>

OutlookSpy
– Outlook,
CDO
and MAPI
Developer
Tool

–

"Rodrigo
Mendes"
<RodrigoMendes@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in
message

<news:28036153-20BD-4787-B5DA-AE22E50CD2EA@xxxxxxxxxx>

Hi
Dmitry,

I'm
doing
this
because
the
customer
of
the
project
that
I'm
working
for
needs
this
solution.
Concerning
the
Extended
MAPI,
I
was
aware
that
this
could

Re: How to replace an attachment from a file.wav to a winmail.dat

be
the
solution
for
it,
but
I'm
stuck
in
this
problem
–
to
get
the
information
(the
mail
attachment)
from
the
MailMsg
interface
(which
is
the
only
one
that
I
found
out
to
access
the
e-mail
contents
after
using
the
OnMessageSubmission
method)
and
making
it
available
for
the
IMessage
or
the

Re: How to replace an attachment from a file.wav to a winmail.dat

Extended
MAPI
interfaces.

And
about
the
winmail.dat,
once

I
convert
it
to
TNEF
format,

I
guess
I'll
have
to
handle
those
properties
in
some
other
way.

When
you
say
construct
the
TNEF
stream
explicitly
in
my
code,

you
mean
open
the
file
that
I'm
able
to
save
(using
the
CopyContentToFileEx

Re: How to replace an attachment from a file.wav to a winmail.dat

method)
and
converting
it
byte
per
byte
"by
hand"
?

"Dmitry
Streblechenko"
wrote:

You
would
need
to
use
Extended
MAPI
for
that.
Or
you
could
construct
the
TNEF
stream
explicitly
in
your
code,
its
format
is
documented.
Keep
in
mind
that
winmail.dat
is
not
an
attachment
wrapper,
it

Re: How to replace an attachment from a file.wav to a winmail.dat

contains
properties
(MAPI
properties
n
case
of
Outlook/Exchange)
that
cannot
be
be
represented
by
the
MIME
envelope.
It
also
may
include
attachments.
Just
out
of
curiosiry,
why
exactly
are
you
doing
this?
Most
people
would
do
theopposite
-
parse
winmail.dat
and
extract
the
regular
attachments.

--
Dmitry
Streblechenko
(MVP)
<http://www.dimastr.com/>

Re: How to replace an attachment from a file.wav to a winmail.dat

OutlookSpy

-

Outlook,

CDO

and

MAPI

Developer

Tool

-

"Rodrigo

Mendes"

<Rodrigo

Mendes@xx>

wrote

in

message

news:CB2B3A45-9A62-4A4E-9641-0485EF231A

Hi,

I

need

to

create

a

COM

using

MAPI

to

be

loaded

in

the

IIS

SMTP

server

that

reads

the

incoming

email,

verifies

if

there

is

an

attachment

and

if

there

is,

Re: How to replace an attachment from a file.wav to a winmail.dat

verifies
if
it
is
a
.wav
file.
If
it
is,
convert
it
to
the
TNEF
format
(a
winmail.dat
file),
replace
the
old
file
in
the
attachment
by
this
new
file
(winmail.dat)
and
send
the
e-mail
to
the
original
recipient.

To
do
that,
I'm
already
able
to
get
the
e-mail
and

Re: How to replace an attachment from a file.wav to a winmail.dat

send
it
to
a
file,
using
the
IMailTransportSubmission.OnMessageSubm
and
the
IMailMsgProperties::CopyContentToFileEx
methods.

But
what
I
think
I
really
need
to
do
is
to
copy
the
e-mail
to
a
stream
(using
the
IMailMsgProperties::CopyContentToStream
method).
After
that,
I
need
to
store
this
stream
in
the
IStorage,
using
the
HrIStorageFromStream
function.
Once
this

Re: How to replace an attachment from a file.wav to a winmail.dat

IStorage
object
is
created,
I
can
manipulate
the
attachment
using
the
IMessage
interface
(using
GetAttachment,
AddAttachment,
...)
and
the
OpenTnefStream
function
and
so
on.

The
problem
is
that,
to
start,
my
mailmsg.h
does
not
have
the
CopyContentToStream.

Do
you
have
any
suggestion
to
solve
this
problem
?

The

Re: How to replace an attachment from a file.wav to a winmail.dat

bottom
line
here
is
that
I
need
to
get
the
mail
that
I
have
available
with
the
MailMsg
interface
and
handle
it
using
the
IMessage
interface.
Is
this
the
right
approach
to
get
this
done
?

Thanks
in
advance.