Subject: OleCalc example can't compile
Posted by Xemuth on Thu, 14 Jan 2021 10:26:15 GMT
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The package named OleCalc don't compile under windows using MSVS19 or Clang both in 64 bits

Contraty to MSVS, clang have 41 compilations error when MSVS have only 1.
Can someone can confirm me OLE/ activeX control can't be compiled using clang but only with MSVS ?

Also, about MSVS : when I try to compile it the first error which is raise is this one :

template <>
inline unsigned GetHashValue(const Guid& guid) { return GetHashValue(~guid); }

Error C912: the explicit specialization 'unsigned int Upp :: GetHashValue (const Upp :: Guid &)' is not a specialization of a function template

If I try to remove the 'template <>' then the next compilation error is :
error C2259: 'Upp :: OcxObjectWrapper <Calculator>': unable to instantiate abstract class

The IViewObject Draw(...) method is abstract

Subject: Re: OleCalc example can't compile
Posted by mirek on Thu, 14 Jan 2021 13:01:13 GMT
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Xemuth wrote on Thu, 14 January 2021 11:26The package named OleCalc don't compile under windows using MSVS19 or Clang both in 64 bits

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I have fixed it a bit, be seriously thing rather about removing the whole OCX stuff. I do not remember using this in practice... and OCX seems to be sort of out of fashion anyway.

Subject: Re: OleCalc example can't compile
Posted by mirek on Thu, 14 Jan 2021 13:03:59 GMT
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Moved Ole to archive. If there is anybody willing to fix it and maintain it, I would be glad to move it back. Or it can be in UppHub...

Subject: Re: OleCalc example can't compile
Posted by Xemuth on Thu, 14 Jan 2021 16:53:37 GMT
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Thanks Mirek !

Quote:OCX seems to be sort of out of fashion anyway. Well, a customer asked to implement a ActiveX component :p

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Subject: Re: OleCalc example can't compile
Posted by Xemuth on Thu, 14 Jan 2021 17:20:50 GMT
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However, I have no knowledge about ActiveX. This exemple compile but linker tell me "linking has failed" but just under this it tell me
"creation of library ... OleCalc.lib and object OleCalc.exp"

I'm a bit confused. It generate dll and lib. but I thought this exemple was supposed to be a launchable TopWindow Apllicaton which I could drive using OLE ?

Subject: Re: OleCalc example can't compile
Posted by JeyCi on Fri, 06 Aug 2021 08:35:53 GMT
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Xemuth wrote on Thu, 14 January 2021 11:26Can someone can confirm me OLE/ activeX control can't be compiled using clang but only with MSVS ?

MIDL-compiler needed - for microsoft interface definition language (IDL) files... and it exists only in MSVC, as I understand... nothing changed...
I remember in Borland was easy way to build COMdll - also with ATL - but it was too long since now... and Borland also had its own compiler...
ATL as for smaller projects than MFC, but still resembles MFC, -- are both of rather complicated structure... and it is more difficult to create COM without ATL (rus here example & limitations)... though really I still don't understand ? Why
mirek wrote on Thu, 14 January 2021 14:01 OCX seems to be sort of out of fashion anyway.
- because, AFAIK, all libs in Windows are still interacting with each other like COM-objects... 8)
perhaps the reason is just the fashion for NET and thus its "COM Interop" possibilities for managed-and-unmanaged code interaction...
but still only Microsoft gives Active Template Library (ATL) & MIDL-compiler :(

Subject: Re: OleCalc example can't compile
Posted by JeyCi on Fri, 06 Aug 2021 08:58:45 GMT
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Xemuth wrote on Thu, 14 January 2021 18:20However, I have no knowledge about ActiveX. ... I thought this exemple was supposed to be a launchable TopWindow Apllicaton which I could drive using OLE ?

not exactly Window_app, ActiveX implement Controls that you can reuse (embed) in different apps or parts of one code as Components (C from COM-abbreviation)

Subject: Re: OleCalc example can't compile
Posted by JeyCi on Wed, 12 Mar 2025 12:20:56 GMT
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Actually, it is compiled with MS_Build_Tools_2019 (for target Win32x), as described in docs in 2 steps, 5th point is important - "use .tlb" in calc.rc. Nevertheless, resulting OCX-file after regsvr32 ... .ocx and upload with Tools/Reference in Excel 2016 - is being instantiated just with early binding
Sub test()
Dim o As Object

Set o = New Calculator
o.Input = 5
End Sub
and is not instantiating Calculator_Window with Set o = Worksheets(1).OLEObjects.Add(ClassType:="Calculator").
Attempting to use compiled ActiveX as a Control at UserForm (added with View->Toolbox->Additional_Controls->Calculator Control 1.0) - is still being not drawn on UserForm.
Finally, with Developer->Insert ActiveX Control started to work.

Build-steps really helps.

I think, correct implementation of COM-dll gives very convenient advantage to use codes written in different languages together.
P.S. once will try Python as COM-Server or COM-Client coupled with UPP ...

File Attachments
1) calc.zip, downloaded 134 times