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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

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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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The IViewObject Draw(...) method is abstract

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.

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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...

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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 Appllicaton which I could drive using OLE ?

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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 :(

And, anyway

Xemuth wrote on Thu, 14 January 2021 11:26

Also, about MSVS : template <>

```
inline unsigned GetHashValue(const Guid& guid) { return GetHashValue(~guid); }
```

I'm just not sure that modern compilers are still very friendly with "inline" (just have read somewhere this - do not remember the source)- perhaps it's worth to refactor this piece of code without "inline"?

p.s.

sorry for my late viewpoint, but still I'm really having some interest in this topic... even in U++... if I will make smth to work (not sure) - of course will publish... in spare time

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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 18:20 I'm a bit confused. It generate dll and lib. but I thought this exemple was supposed to be a launchable TopWindow Appllicaton

BTW, my upp 13664\uppsrc\Ole\Ctrl\control.cpp is having #ifdef PLATFORM\_WIN32...

Xemuth wrote on Thu, 14 January 2021 11:26 The package named OleCalc don't compile under windows using MSVS19 or Clang both in 64 bits

- just my notifications :) (still haven't dive into the whole code)