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Subject: problem with <sapi.h>, text to speech library  
Posted by [forlano](#) on Sat, 01 Dec 2018 10:33:27 GMT  
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Hello,

I am able to compile and run the following not UPP code within Theide after linking Ole32.lib and SAPI.lib

```
#include <iostream>
#include <string>
#include <ctime>
#include <sapi.h>

//type something in to have it spoken!
//enter quit to exit
int main()
{
    ISpVoice * pVoice = NULL;

    if (FAILED(::CoInitialize(NULL)))
        return EXIT_FAILURE;

    HRESULT hr = CoCreateInstance(CLSID_SpVoice, NULL, CLSCTX_ALL, IID_ISpVoice, (void
**) &pVoice);
    if(SUCCEEDED(hr))
    {
        std::wstring in = L"";

        while( std::getline(std::wcin, in) && in != L"quit") {

            hr = pVoice->Speak((LPCWSTR)in.c_str(), NULL, NULL);
        }

        pVoice->Release();
        pVoice = NULL;
    }
    ::CoUninitialize();

    return EXIT_SUCCESS;
}
```

However I cannot compile the same code within my U++ program.

c:\program files (x86)\windows kits\10\include\10.0.17134.0\um\ocidl.h (2918): error C2061: errore di sintassi: identificatore 'CY'

The error appear at the include of

```
#include <sapi.h>
```

In fact I can comment the relevant code and let stay alone the include to let appear the same problem.

After googling it seems that the problem is that the compiler is confused by several previous includes. Here is my U++ includes that could collide with <sapi.h>

```
#include <CtrlCore/CtrlCore.h>
#include <CtrlLib/CtrlLib.h>
#include <GridCtrl/GridCtrl.h>
#include <Report/Report.h>
#include <RichEdit/RichEdit.h>
// #include <Web/Web.h>
#include <PdfDraw/PdfDraw.h>
#include <plugin/ftp/ftp.h>
#include <plugin/pcre/Pcre.h>
#include <plugin/jpg/jpg.h>
#include <RepGen/RepGen.h>
#include <MySql/MySql.h>

#define IMAGECLASS Vega8Img
#define IMAGEFILE <Vega8/Vega.iml>
#include <Draw/iml_header.h>

#define SCHEMADIALECT <MySql/MySqlSchema.h>
#define MODEL <Vega8/db.sch>
#include <Sql/sch_header.h>

using namespace Upp;
```

Does anybody tried the <sapi.h> inside his app? Any suggestion?

Thanks,  
Luigi

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Subject: Re: problem with <sapi.h>, text to speech library  
Posted by [koldo](#) on Sat, 01 Dec 2018 17:50:19 GMT  
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Hello Luigi

I think I had the same problem with some includes in Bazaar/Functions4U.

```
The trick was this:  
#define CY win32_CY_  
  
#include <winnls.h>  
#include <winnetwk.h>  
  
#include <wincon.h>  
#include <shlobj.h>  
  
#undef CY
```

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Subject: Re: problem with <sapi.h>, text to speech library  
Posted by [forlano](#) on Sat, 01 Dec 2018 22:13:37 GMT  
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koldo wrote on Sat, 01 December 2018 18:50Hello Luigi

I think I had the same problem with some includes in Bazaar/Functions4U.

Hi Koldo,

thanks, it worked! Such fix looks like black magic :)

Luigi

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