Subject: Linker error (Mingw)
Posted by zaurus on Thu, 02 Aug 2007 06:01:51 GMT

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I'm trying to use some windows function to get the MAC address of the network card. But I always get an error during linking. The function GetAdaptersInfo is defined in iphlpapi.h. I also can find a libiphlpapi.a in C:\upp\mingw\lib.

This is the source.

#include <winsock2.h>
#include <iphlpapi.h>
#include <assert.h>
#include "stdio.h"

int main(int argc, const char *argv[])
{
 IP_ADAPTER_INFO AdapterInfo[2];
   DWORD dwBufLen = sizeof(AdapterInfo);
   DWORD dwStatus = GetAdaptersInfo(AdapterInfo, &dwBufLen);
   assert(dwStatus == ERROR_SUCCESS);
   PIP_ADAPTER_INFO pAdapterInfo = AdapterInfo;
 return 0;
}

And this the error.

Linking...
(option '-O 2' ignored)
___main: duplicate
-> used: libmingw32.a:gccmain.o:1
-> discarded: libgcc.a:__main.o:1
1 undefined symbol(s):
_GetAdaptersInfo@8 (referenced from c:\upp\out\macadr\mingw.debug_full.main\macadr.o:1;
_main; .text)
linking aborted due to fatal errors
collect2: ld returned 1 exit status

Did I miss out something or is this an issue of mingw? Anybody had a similar problem and found the solution?

Thanks for any help.

Subject: Re: Linker error (Mingw)
Posted by zaurus on Thu, 02 Aug 2007 09:38:45 GMT

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I found a solution.

If I add 'libiphlpapi.a' in the 'Package Organizer' as a new library, then I can link the program without problems.

Still I don't understand it as 'libiphlpapi.a' is located in c:\upp\mingw\lib and should be automatically available for the linker.

Anybody has an explanation for this?

To solve a problem is good, but it's even better to understand the solution.