
Subject: Linker error (Mingw)

Posted by [zaurus](#) on Thu, 02 Aug 2007 06:01:51 GMT

[View Forum Message](#) <> [Reply to Message](#)

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

[View Forum Message](#) <> [Reply to Message](#)

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.
