
Subject: far pascal function pointer

Posted by [NilaT](#) on Fri, 10 Jun 2016 10:08:07 GMT

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Hello everyone,

I'm having troubles getting some functions of a loaded dll.
Important notice, I still use 2010 upp sources.

So, the problem is, I load a library using LoadLibraryEx.
After that I get the function pointers using GetProcAddress.

Now, when I want to call the functions, my program crashes with a "__report_gsfailure()" message to kernel32.dll.

Other dlls work fine, but one particular doesn't want to.

So, maybe it's because the functions in the dll are declared as "far pascal".

Here, take a look at the .h of the dll:

```
#ifdef __cplusplus
    extern "C" {
__declspec(dllimport) short pascal Get_Version(char *);
}
#else
extern short far pascal Get_Version(char far *);
#endif
```

I want to test that, but adding "far pascal" to the definition won't compile.

For example, the function:

```
short (*Get_Version)(char* ID_buf);
```

How do I add "far pascal" to it?!

Because

```
short far pascal (*Get_Version)(char* ID_buf);
```

won't work...

Maybe "far" is unnecessary, since 32 bit architecture don't need them anymore, but "pascal" could be the reason for the errors.

Or am I missing something here?!

Any help appreciated.

Thanks in advance.

Subject: Re: far pascal function pointer

Posted by [NilaT](#) on Fri, 10 Jun 2016 11:02:58 GMT

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Whops, sorry for double posting but I just found the solution myself.

This is for everyone who may run into the same problem.
The function pointer definition must be as follow:
far short (pascal *Get_Version)(char* ID_buf);

Thanks and have a nice weekend.
