Subject: Cannot compile plugin/ftp
Posted by forlano on Fri, 15 Mar 2019 19:51:03 GMT

Hello,

my program uses the plugin/ftp and cannot compile it.

The compiler does not recognise GLOBALREF that appear in /plugin/ftp/lib/ftplib.h


```
#if !defined(__FTPLIB_H)
#define __FTPLIB_H

#if defined(__unix__) || defined(VMS)
#define GLOBALDEF
#define GLOBALREF extern
#elif defined(_WIN32)
#define GLOBALDEF
#define GLOBALREF extern
/*
#if defined BUILDING_LIBRARY
#define GLOBALDEF __declspec(dllexport)
#define GLOBALREF __declspec(dllexport)
#else
#define GLOBALREF __declspec(dllimport)
#endif
*/
#endif
```

Does anybody knows how to fix this include file?
Thanks,
Luigi

Subject: Re: Cannot compile plugin/ftp
Posted by forlano on Thu, 21 Mar 2019 20:04:04 GMT

Solved! 8)

in plugin/ftp/lib/ftplib.f

line 27:

#if defined(__unix__) || defined(VMS) || defined(PLATFORM_MACOS)

instead of

#if defined(__unix__) || defined(VMS)

the same substitution in in plugin/ftp/lib/ftplib.cpp line 90

It seems (__unix__) does not cover macOS. Perhaps a more inclusive constant would be better.
Luigi

Subject: Re: Cannot compile plugin/ftp
Posted by Klugier on Thu, 21 Mar 2019 20:42:49 GMT
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Hello and thanks for investigation,

I found very interesting wiki page that shows what macros are available on each *nix operating
system -   http://nadeausoftware.com/articles/2012/01/c_c_tip_how_use_c
ompiler_predefined_macros_detect_operating_system. As expected __unix__ is not defined on
macOS. By default there is __APPLE__ or __MACH__ defined. I think for that special case
(library code) we should use __APPLE__ macro instead of using pre-defined upp macros.

I created ticket for that - https://www.ultimatepp.org/redmine/issues/1945. I hope Mirek will accept
the fix with additional ifdef. The library is no longer maintenance by their authors, so we need to
patch it by our-self.

Sincerely,
Klugier