Subject: CreateSymbolicLink doesn't compile using MinGW
Posted by _dka_ on Tue, 26 Dec 2017 10:53:55 GMT
View Forum Message <> Reply to Message

Hello all,

Sorry, i use google translator.
I used upp-mingw (last nightly builds and stable upp-mingw-11540).
I want to create a symbolic link to a folder.
I tried to create console applications in projects of different types.

My source (Core console project):

```
#include <Core/Core.h>
using namespace Upp;
CONSOLE_APP_MAIN
{
 CreateSymbolicLink("","",1);
}
```

Compiler error:

```
MyApps_MkLinks.cpp (7): error: 'CreateSymbolicLink' was not declared in this scope
 (): CreateSymbolicLink("","",1);
MyApps_MkLinks.cpp (7): note: suggested alternative: 'CreateHardLink'
 (): CreateSymbolicLink("","",1);
 (): CreateHardLink
```

So far, I've solved this problem by adding lines from the winbase.h from mingw:

```
#include <Core/Core.h>
using namespace Upp;

#define SYMBOLIC_LINK_FLAG_DIRECTORY (0x1)
WINBASEAPI BOOLEAN APIENTRY CreateSymbolicLinkA ( LPCSTR lpSymlinkFileName,
LPCSTR lpTargetFileName, DWORD dwFlags );
WINBASEAPI BOOLEAN APIENTRY CreateSymbolicLinkW ( LPCWSTR lpSymlinkFileName,
LPCWSTR lpTargetFileName, DWORD dwFlags );
#define CreateSymbolicLink __MINGW_NAME_AW(CreateSymbolicLink)

CONSOLE_APP_MAIN
{
 CreateSymbolicLink("","",1);
}
```

but now there is a link error:

```
 (): Linking has failed
```

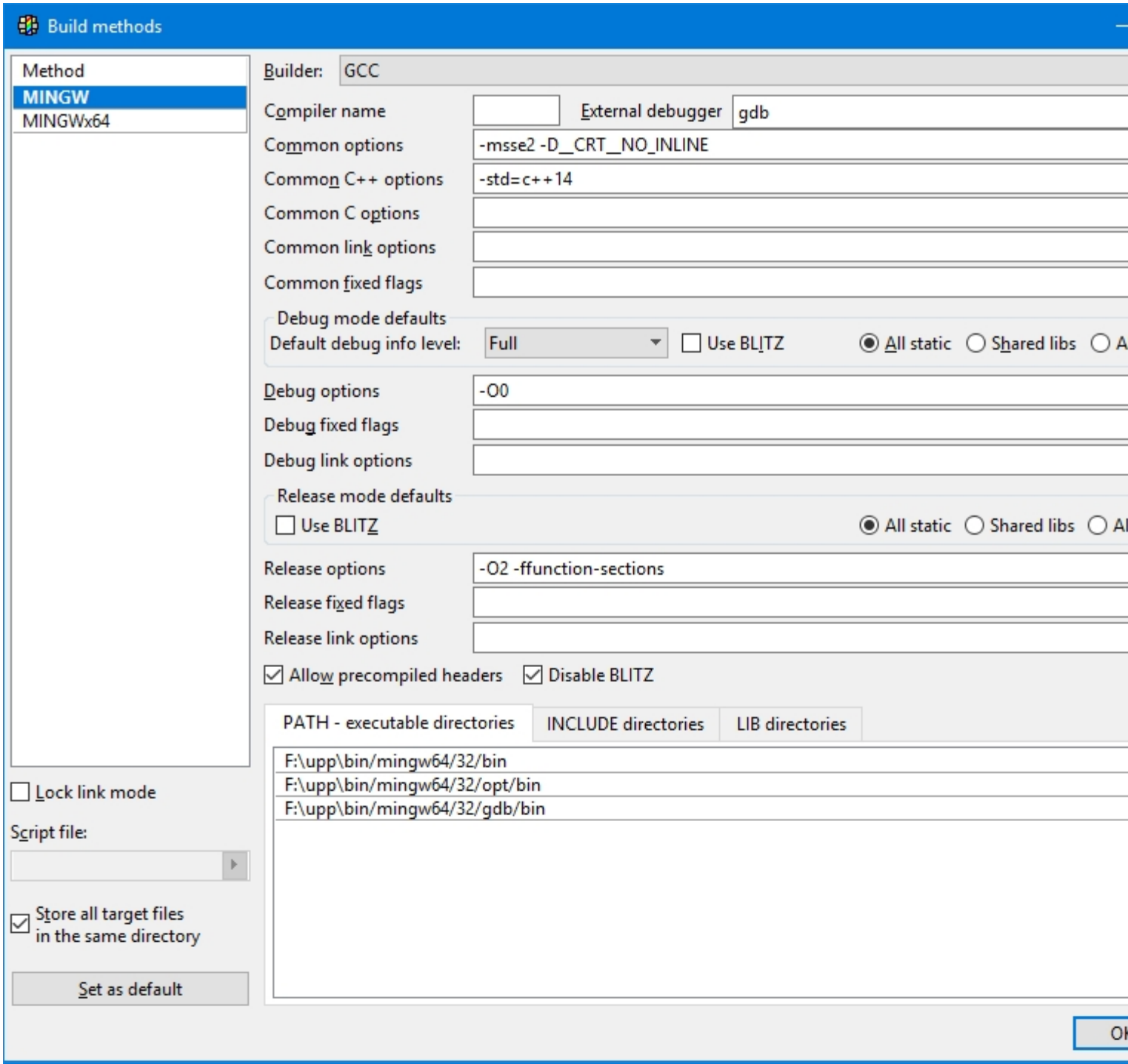
(): MyApps_MkLinks/MINGW.Debug.Debug_Full.Main.Noblitz\MyApps_MkLinks.o: In function `Z14ConsoleMainFn_
v':
MyApps_MkLinks/MyApps_MkLinks.cpp (40): undefined reference to `_imp___Z19CreateSymbolicLinkAPKcS0_m@12'
(): collect2.exe: error: ld returned 1 exit status

Build methods settings:

Toggle Spoiler

File Attachments

1) Build methotds.jpg, downloaded 1326 times


Build methods
Method
MINGW
MINGWx64
Builder: GCC
Compiler name
External debugger gdb
Common options -msse2 -D__CRT__NO_INLINE
Common C++ options -std=c++14
Common C options
Common link options
Common fixed flags
Debug mode defaults
Default debug info level: Full
Use BLITZ
All static
Shared libs
Debug options -O0
Debug fixed flags
Debug link options
Release mode defaults
Use BLITZ
All static
Shared libs
Release options -O2 -ffunction-sections
Release fixed flags
Release link options
Allow precompiled headers
Disable BLITZ
PATH - executable directories
INCLUDE directories
LIB directories
F:\upp\bin/mingw64/32/bin
F:\upp\bin/mingw64/32/opt/bin
F:\upp\bin/mingw64/32/gdb/bin
Lock link mode
Script file:
Store all target files in the same directory
Set as default
Build methods
Method
MINGW
MINGWx64
Builder: GCC
Compiler name
External debugger gdb
Common options -msse2 -D__CRT__NO_INLINE
Common C++ options -std=c++14
Common C options
Common link options
Common fixed flags
Debug mode defaults
Default debug info level: Full
Use BLITZ
All static
Shared libs
Debug options -O0