## Subject: CreateSymbolicLink doesn't compile using MinGW
Posted by _dka_ on Tue, 26 Dec 2017 10:53:55 GMT

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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 803 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 ○ A

Debug options `-O0`

Debug fixed flags ___

Debug link options ___

**Release mode defaults**

☐ Use BLITZ ◉ All static ○ Shared libs ○ A

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 ]

O

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Debug options `-O0`

Debug fixed flags