

Linker error building DLL with old time(),ctime(), difftime() functions – ideas?

Source:

<http://www.tech-archive.net/Archive/PocketPC/microsoft.public.pocketpc.developer/2004-12/1225.html>

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Hello PocketPC developer folks..

I am working in EVC v4.2 with the PocketPC 2003 SDK (Armv4Dbg) target. I am converting a static C and C++ library to a DLL. I've referenced all the usual headers required like "time.h", "stdlib.h", etc.

I need to use several "old" (libc.lib style) functions: time(), ctime(), asctime() and difftime(). When I build the library as a static library, these link in just fine. When I attempt to build the library as a DLL (with or without MFC support), the reference to "difftime()" links in just fine, but I get a "unresolved externals" on "time()", "ctime()", and "asctime()". A quick check using "dumpbin" on coredll.lib shows that "difftime()" symbol is present, but no "time()", or "ctime()" (perhaps these are inlined elsewhere?). Which build-time switches, or additional binary static or DLL should I use to resolve these "unresolved externals"? Why would the PPC 2003 SDK static library build with no problems...while the DLL form with same sources, does not? I'm sure I'm missing something very simple.

The project parameters I've used are: "New|WinCE DLL" ...also tried defining the DLL as one with MFC...

Here is the EVC v4.2 emitted error report:

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Creating library ARMV4Dbg/ce4.lib and object ARMV4Dbg/ce4.exp  
lCoreSupport.obj : error LNK2019: unresolved external symbol time referenced  
in function lCoreSeedPNRG  
lSession.obj : error LNK2019: unresolved external symbol time referenced in  
function lSessionTimerElapsed  
lSession.obj : error LNK2019: unresolved external symbol ctime referenced in  
function lSessionClose
```

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ARMV4Dbg/ce4.dll : fatal error LNK1120: 2 unresolved externals

Any help would be very appreciated!!

cheers,
Joe Glassy