mozillaZine

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Building Firefox source code on 64bit Windows

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axysharma

Posts: 65
Joined: April 9th, 2008, 10:42 pm

Posted August 10th, 2010, 1:48 pm

> Hi,
>
> I downloaded the FF 4.0 source code and followed the build instructions given in link:
>
> https://developer.mozilla.org/En/Develo ... requisites
>
> But I am getting following errors while running make command:
>
> __readfsdword': identifier not found
>
> Thanks,
> Akshay

LoudNoise
Moderator

Posts: 29122
Joined: October 18th, 2007, 1:45 pm
Location: Next door to the west

Posted August 10th, 2010, 2:00 pm

> Moving to Third Party builds. You should get more help there.
> Post wrangler **Folding@Home**
> What are you looking at?

Nomis101

Posts: 895
Joined: January 7th, 2008, 7:46 am
Location: Germany

Posted August 11th, 2010, 9:12 am

> Do you have installed the correct Microsoft Platform SDK? Seems to me, this has something to do
> with winnt.h from the SDK.
> My Mozilla Build Manual for Mac OS X (german language)
> My unofficial Thunderbird 12 versions for Mac OS X 10.7 (build with Clang)

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Posts: 247
Joined: June 15th, 2004, 7:56 am
Location: Germany

- Website
- ICQ

Posted September 18th, 2010, 6:21 am

> *axysharma wrote:*Hi,
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> Akshay

I have the same error with Fx 3.6.
__readfsdword is defined in intrin.h as

Code: Select all

```
    __MACHINEIA32(unsigned long __readfsdword(unsigned long Offset))
```

but __MACHINEIA32 is only for 32-bit x86 arch (according to the comment on top of intrin.h)

Well, the cause for this problem was actually one of tete's sse2 patches for Firefox 3.6.

axysharma, check your build log for the first occurrence of __readfsdword. It will give you the name of the source file, which seems to be modified as the original Fx 4.0 code does not use __readfsdword anywhere.

part of my build log

Code: Select all

```
d:/Building_Mozilla/source/hg/192src/nsprpub/pr/include\md/_win95.h(515)
: warning C4163: '__readfsdword': Nicht als systeminterne Funktion
verf$bar
...
...
...
rm -f nspr4.dll
link -nologo -DLL -SUBSYSTEM:WINDOWS -DYNAMICBASE -OUT:"nspr4.dll" -MAP
 advapi32.lib wsock32.lib winmm.lib ./prvrsion.obj io/./prfdcach.obj
io/./prmwait.obj io/./prmapopt.obj io/./priometh.obj io/./pripv6.obj
io/./prlayer.obj io/./prlog.obj io/./prmmap.obj io/./prpolevt.obj
io/./prprf.obj io/./prscanf.obj io/./prstdio.obj threads/./prcmon.obj
threads/./prrwlock.obj threads/./prtpd.obj linking/./prlink.obj
malloc/./prmalloc.obj malloc/./prmem.obj md/./prosdep.obj
memory/./prshm.obj memory/./prshma.obj memory/./prseg.obj
misc/./pralarm.obj misc/./pratom.obj misc/./prcountr.obj
misc/./prdtoa.obj misc/./prenv.obj misc/./prerr.obj misc/./prerror.obj
misc/./prerrortable.obj misc/./prinit.obj misc/./prinrval.obj
misc/./pripc.obj misc/./prlog2.obj misc/./prlong.obj misc/./prnetdb.obj
misc/./praton.obj misc/./prolock.obj misc/./prrng.obj
misc/./prsystem.obj misc/./prthinfo.obj misc/./prtpool.obj
misc/./prtrace.obj misc/./prtime.obj io/./prdir.obj io/./prfile.obj
io/./prio.obj io/./prsocket.obj misc/./pripcsem.obj threads/./prcthr.obj
threads/./prdump.obj threads/./prmon.obj threads/./prsem.obj
```

```
threads/./prdump.obj threads/./prmon.obj threads/./prscm.obj

threads/combined/./prucpu.obj threads/combined/./prucv.obj
threads/combined/./prulock.obj threads/combined/./prustack.obj
threads/combined/./pruthr.obj md/windows/./ntmisc.obj
md/windows/./ntsec.obj md/windows/./ntsem.obj md/windows/./ntinrval.obj
md/windows/./ntgc.obj md/windows/./w95thred.obj md/windows/./w95io.obj
md/windows/./w95cv.obj md/windows/./w95sock.obj
md/windows/./win32_errors.obj md/windows/./w32ipcsem.obj
md/windows/./w32poll.obj md/windows/./w32rng.obj md/windows/./w32shm.obj
md/windows/./w95dllmain.obj  ./nspr.res
prvrsion.obj : Es wurde ein mit /GL kompiliertes MSIL .netmodule oder
module gefunden. Verkn��ng wird mit /LTCG erneut gestartet. F�� Sie
/LTCG zur Linkbefehlszeile hinzu, um die Linkerleistung zu erh��.
   Bibliothek "nspr4.lib" und Objekt "nspr4.exp" werden erstellt.
prcthr.obj : error LNK2001: Nicht aufgel��s externes Symbol
"__readfsdword".
nspr4.dll : fatal error LNK1120: 1 nicht aufgel�� externe Verweise.
make[5]: *** [nspr4.dll] Error 96
make[5]: Leaving directory `/d/Building_Mozilla/source/hg/firefox_vc10-
x64_192/nsprpub/pr/src'
make[4]: *** [export] Error 2
make[4]: Leaving directory `/d/Building_Mozilla/source/hg/firefox_vc10-
x64_192/nsprpub/pr'
make[3]: *** [export] Error 2
make[3]: Leaving directory `/d/Building_Mozilla/source/hg/firefox_vc10-
x64_192/nsprpub'
make[2]: *** [tier_nspr] Error 2
make[2]: Leaving directory `/d/Building_Mozilla/source/hg/firefox_vc10-
x64_192'
make[1]: *** [default] Error 2
make[1]: Leaving directory `/d/Building_Mozilla/source/hg/firefox_vc10-
x64_192'
make: *** [build] Error 2
```

Author of Bookmarks Menu Button, Autoclose Bookmark&History Folders and more

Mozilla/5.0 (Windows; U; Windows NT 6.1; de; rv:1.9.2.19pre) Gecko/20110701 Firefox/3.6.19pre
<-- build with MS VC++ 2010 SP1 and PGO on Win 7 x64

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axysharma

Posts: 65
Joined: April 9th, 2008, 10:42 pm

Posted October 8th, 2010, 3:58 am

Hi,

I followed the build instructions given in following link:

http://wiki.mozilla-x86-64.com/Build:Mo ... ld_For_x64

I built Firefox 4.0beta 6 on a Windows Vista 64 bit machine. I was able to build the source code. I ran Firefox exe created and verified that it is X64.

Following are the contents of my .mozconfig file:

mk_add_options MOZ_OBJDIR=@TOPSRCDIR@/obj-ff
ac_add_options --enable-application=browser
mk_add_options MOZ_CO_PROJECT=browser
ac_add_options --target=x86_64-pc-mingw32
ac_add_options --host=x86_64-pc-mingw32
ac_add_options --disable-debug --disable-optimize
ac_add_options --enable-shared --disable-static
ac_add_options --enable-cpp-rtti
ac_add_options --disable-webm
ac_add_options --disable-cpp-exceptions
mk_add_options MOZ_MAKE_FLAGS="-s -j4"

I took the libraries created and linked my XPCOM source code with these libraries. But I am getting one linking error:

fatal error C1905: Front end and back end not compatible (must target same processor).

Please help.

Thanks,
Akshay

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