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## Need help with compiling the Windows Research Kernel

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coltonspleen



### Need help with compiling the Windows Research Kernel

 Sun Apr 10, 2016 4:58 pm

Here's the problem I'm having with Windows Research Kernel compilation:  
It happens to be that the compiler cannot create some of the folders needed in C:\Users\%username%\Temp.  
Here's the Visual Studio build log, using this solution: [http://www.dcl.hpi.uni-potsdam.de/resea ... io2003.zip](http://www.dcl.hpi.uni-potsdam.de/resea...io2003.zip)

CODE: [SELECT ALL](#)

```
----- Build started: Project: WindowsResearchKernel, Configuration: Release Win32 -----  
  
Performing Makefile project actions  
  checktoolarch x86  
  cd c:\cygwin64\home\Colton\WRK\base\ntos\rtl\BUILD  
  cl.exe -nologo -Zl -Zp8 -Gy -cbstring -W3 -WX -GR- -GF -GS -Gm- -Gz -GX- -G6 -Ze -Gi- -QIfc  
context.c  
c1 : fatal error C1083: Cannot open compiler intermediate file: 'C:\Users\Colton\AppData\Local\Temp\debug3.c'  
c1 : fatal error C1083: Cannot open compiler intermediate file: 'C:\Users\Colton\AppData\Local\Temp\divlarge.c'  
c1 : fatal error C1083: Cannot open compiler intermediate file: 'C:\Users\Colton\AppData\Local\Temp\exdsptch.c'  
c1 : fatal error C1083: Cannot open compiler intermediate file: 'C:\Users\Colton\AppData\Local\Temp\...
```

Can someone help me fix this error? I would love to run my own custom kernel for WS2k3! I have the 180-day eval iso of it, I think it's x86, I'm not sure what version it is either...

haroldas.velioniskis

Donator



**Re: Need help with compiling the Windows Research Kernel**

📅 Mon Apr 11, 2016 5:07 am

run as admin



coltonspleen

**Re: Need help with compiling the Windows Research Kernel**

📅 Mon Apr 11, 2016 7:12 pm

Didn't help. Same error.



haroldas.velioniskis



Donator

**Re: Need help with compiling the Windows Research Kernel**

📅 Tue Apr 12, 2016 5:20 am

[http://www.cs.virginia.edu/~mm4ab/CS441 ... nment1.pdf](http://www.cs.virginia.edu/~mm4ab/CS441...nment1.pdf)



coltonspleen

**Re: Need help with compiling the Windows Research Kernel**

📅 Sat Apr 23, 2016 7:22 pm

I'll run it using Visual Studio 2013 then.



Stephanos



## Re: Need help with compiling the Windows Research Kernel

Sun Apr 24, 2016 5:21 am

coltonspleen wrote:

I'll run it using Visual Studio 2013 then.

Alternatively, you could try WRKRazzle instead.

Link to original post: [http://www.betaarchive.com/forum/viewto ... =5&t=34344](http://www.betaarchive.com/forum/viewto...=5&t=34344)

Build demo: <https://www.youtube.com/watch?v=sReYsGqX52w>

Note that the repository links in the original post are no longer valid. Use the repository address shown in the build demo video.



coltonspleen



## Re: Need help with compiling the Windows Research Kernel

Sun Apr 24, 2016 2:04 pm

If only it wasn't this hard to compile a single kernel...



Wheatley



Donator



## Re: Need help with compiling the Windows Research Kernel

Sun Apr 24, 2016 5:47 pm

coltonspleen wrote:

If only it wasn't this hard to compile a single kernel...

If you find compiling a kernel difficult, what are you doing compiling a kernel? What benefits will your custom kernel have over the pre-compiled one Microsoft gives you in every Windows version?

Windows Defender for great justice! Bugs are an international trading company. I need to defeat the anti-debugging and obfuscation methods. It wasn't for Intel's absurd ability to load in ie6. Why even waste time with people in an envelope?



coltonspleen



## Re: Need help with compiling the Windows Research Kernel

📅 Sat Apr 30, 2016 2:10 am

Well, I would like to see how Windows loads everything up (the hals, system drivers, etc.) & the best way is by compiling my own kernel.



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