

## GROMACS - Bug #936

### ThreadMPI on VS2008 doesn't compile

04/29/2012 07:26 PM - Roland Schulz

<b>Status:</b> Rejected	
<b>Priority:</b> Normal	
<b>Assignee:</b> Sander Pronk	
<b>Category:</b> core library	
<b>Target version:</b>	
<b>Affected version - extra info:</b>	<b>Difficulty:</b> uncategorized
<b>Affected version:</b> 5.0	
<b>Description</b>	
Both with VS2008 and Intel compiler (using VS2008 environment) thread mpi doesn't compile.	
During cmake: -- Performing Test HAVE_PROCESSOR_NUMBER -- Performing Test HAVE_PROCESSOR_NUMBER - Failed	
And then build: D:\jenkins-build\workspace\Gromacs_Gerrit_4_6_xml\9b9bd2d0\gromacs\src\gmplib\thread_mpi\winthreads.c(121) : error C2016: C requires that a struct or union has at least one member D:\jenkins-build\workspace\Gromacs_Gerrit_4_6_xml\9b9bd2d0\gromacs\src\gmplib\thread_mpi\winthreads.c(121) : error C2061: syntax error : identifier 'PROCESSOR_NUMBER' D:\jenkins-build\workspace\Gromacs_Gerrit_4_6_xml\9b9bd2d0\gromacs\src\gmplib\thread_mpi\winthreads.c(122) : error C2061: syntax error : identifier 'GroupAffinity'	
<b>Related issues:</b>	
Related to GROMACS - Task #948: C++ thread synchronization primitives	<b>New</b>

### History

#### #1 - 06/04/2012 03:14 PM - Roland Schulz

Sander, is it planned to fix this issue? <https://gerrit.gromacs.org/#/c/1069/> requires that thread\_mpi can build with VS2008. If we want to always build thread\_mpi in 5.0 and don't want to fix this issue, then we could also decide that we don't support VS2008 in 5.0. The ICC configuration in Jenkins is effected too, but that's simply because it also uses VS2008. I could change it easily that ICC is build using VS2010 instead of VS2008.

#### #2 - 06/04/2012 04:11 PM - Sander Pronk

Yes - I'm surprised it doesn't work, because I remember testing it. I'll try to fix this tomorrow (Tuesday).

#### #3 - 06/26/2012 04:38 PM - Roland Schulz

Sander will you have time to look at this issue? Otherwise I might need to disable the VS2008 Jenkins build so that patches which don't build because of this bug can be submitted. I think it might also be reasonable to drop VS2008 support for 5.0.

#### #4 - 09/05/2012 03:33 PM - Sander Pronk

I've just checked, and gromacs 4.5 compiles successfully on MSVS2008, on Server 2008. One thing I do remember having to install a while ago is an updated Windows SDK for Windows - this might have newer APIs for thread affinity.

#### #5 - 09/06/2012 07:02 PM - Roland Schulz

How can I check which version is installed on the Jenkins Server? Or Szilard, do you know?

#### #6 - 09/07/2012 12:08 AM - Sander Pronk

You can look for it in the 'Programs and Features' or 'Add Software' control panel. If it isn't there, you probably have an out-of-date version.

#### #7 - 09/07/2012 05:10 AM - Roland Schulz

Not sure which control panel you mean.  
dir "%ProgramFiles%\Microsoft SDKs\Windows" gives:  
03/06/2012 09:44 PM <DIR> v5.0  
03/06/2012 09:41 PM <DIR> v6.0A

**#8 - 10/18/2012 12:23 AM - Roland Schulz**

- *Status changed from New to Closed*

Closing because VS2008 isn't important anymore. As discussed today on gmx-core only if anyone volunteers VS2008 bugs are fixed.

**#9 - 07/15/2014 04:26 PM - Teemu Murtola**

- *Category set to core library*

- *Status changed from Closed to Rejected*

- *Affected version set to 5.0*