

Re: Bsod irq!_not_less_or_equal

Source:

http://www.tech-archive.net/Archive/Vista/microsoft.public.windows.vista.performance_maintenance/2008-10/msg00

- *From:* "Rick Rogers" <rick@xxxxxxxx>
 - *Date:* Sat, 25 Oct 2008 07:22:43 -0400
-

Hi,

Your reads indicate memory corruption in the pagefile, and this is most frequently used during more memory intensive operations. There are a number of possible causes here. First, since the pagefile uses the hard drive for memory storage, the problem may originate in drive corruption. You can both a) run a drive diagnostic to ensure it's functioning correctly and b) delete the existing pagefile and have it rebuilt. To do the latter, you must disable paging temporarily and reboot, the restart it and reboot.

It's also possible that one of the programs you are regularly using is causing the issue. This includes not only the applications you run, but background stuff like real-time antivirus and antispysware scanners, and any other program that autoloads at boot time. You'd have to selectively disable these to see when the unwanted behavior stops. A good way to quickly tell if this is the issue is to boot to safe mode and run some applications to see if you can recreate the problem.

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Best of Luck,

Rick Rogers, aka "Nutcase" – Microsoft MVP

<http://mvp.support.microsoft.com/>

Windows help – www.rickrogers.org

My thoughts <http://rick-mvp.blogspot.com>

"RichTaylor1974" <guest@xxxxxxxxxxxxxxxxxxxx> wrote in message news:29fbbafea120efe627eebd3ff4f335a3@xxxxxxxxxxxxxxxxxxxx

Hi,

Thanks in advance for any help.

I've copied the Memory.dmp file below. The only pattern appears to be when I'm opening or using significant memory, e.g copying or moving images, playing Command and Conquer etc.

I've added an external USB HDD, a few software apps and I've loaded the latest drivers for NVidia and Creative because (in my experience) most issues relate to one or the other.

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Loading Dump File [C:\Windows\MEMORY.DMP]
Kernel Summary Dump File: Only kernel address space is available

Code:

Symbol search path is: SRV*c:\symbols*'Symbol information'
(<http://msdl.microsoft.com/download/symbols>)
Executable search path is:
Windows Server 2008 Kernel Version 6001 (Service Pack 1) MP (2 procs) Free x64
Product: WinNt, suite: TerminalServer SingleUserTS Personal
Built by: 6001.18145.amd64fre.vistasp1_gdr.080917-1612
Kernel base = 0xfffff800`02601000 PsLoadedModuleList = 0xfffff800`027c6db0
Debug session time: Fri Oct 24 23:13:06.585 2008 (GMT+1)
System Uptime: 0 days 0:07:10.413
Loading Kernel Symbols

.....
Loading User Symbols
PEB is paged out (Peb.Ldr = 000007ff fffdd018). Type ".hh dbgerr001" for details
Loading unloaded module list

.....

* *
* Bugcheck Analysis *
* *

Use !analyze -v to get detailed debugging information.

BugCheck 1E, {fffffffc0000005, fffffa6000a0e248, 0, ffffffff}

Page aa9ba not present in the dump file. Type ".hh dbgerr004" for details
PEB is paged out (Peb.Ldr = 000007ff fffdd018). Type ".hh dbgerr001" for details
PEB is paged out (Peb.Ldr = 000007ff fffdd018). Type ".hh dbgerr001" for details
Probably caused by : Unknown_Image (PAGE_NOT_ZERO_VISTA)

Followup: MachineOwner

*** Memory manager detected 2 instance(s) of page corruption, target is likely to have memory corruption.

1: kd> !analyze -v

* *

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* Bugcheck Analysis *
* *

KMODE_EXCEPTION_NOT_HANDLED (1e)

This is a very common bugcheck. Usually the exception address pinpoints the driver/function that caused the problem. Always note this address as well as the link date of the driver/image that contains this address.

Arguments:

Arg1: ffffffff00000005, The exception code that was not handled
Arg2: fffffa6000a0e248, The address that the exception occurred at
Arg3: 0000000000000000, Parameter 0 of the exception
Arg4: ffffffff00000000, Parameter 1 of the exception

Debugging Details:

Page aa9ba not present in the dump file. Type ".hh dbgerr004" for details
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PEB is paged out (Peb.Ldr = 000007ff fffdd018). Type ".hh dbgerr001" for details

EXCEPTION_CODE: (NTSTATUS) 0xc0000005 – The instruction at 0x%08lx referenced memory at 0x%08lx. The memory could not be %s.

FAULTING_IP:

fltmgr!TreeFindNodeOrParent+8
fffffa60`00a0e248 498b4220 mov rax,qword ptr [r10+20h]

EXCEPTION_PARAMETER1: 0000000000000000

EXCEPTION_PARAMETER2: ffffffff00000000

READ_ADDRESS: ffffffff00000000

DEFAULT_BUCKET_ID: VISTA_DRIVER_FAULT

BUGCHECK_STR: 0x1E

PROCESS_NAME: svchost.exe

CURRENT_IRQL: 1

BAD_PAGES_DETECTED: 2

LAST_CONTROL_TRANSFER: from fffff8000262fe47 to fffff80002656350

STACK_TEXT:

fffffa60`0f231378 fffff800`0262fe47 : 00000000`0000001e ffffffff`c0000005
fffffa60`00a0e248 00000000`00000000 : nt!KeBugCheckEx
fffffa60`0f231380 fffff800`026561a9 : fffffa60`0f231ab8 fffffa80`043abbb8

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fffffa60`0f231b60 fffffa80`0447c360 : nt! ?? ::FNODOBFM::`string'+0x29317
fffffa60`0f231980 fffff800`02654d8d : fffffa80`04eac060 80000000`100bc963
00000000`00000002 fffffa60`0101b97f : nt!KiExceptionDispatch+0xa9
fffffa60`0f231b60 fffffa60`00a0e248 : fffffa60`00a0e1cb fffffa80`04c4c010
fffffa80`04c4c028 fffffa80`04c4c010 : nt!KiGeneralProtectionFault+0xcd
fffffa60`0f231cf8 fffffa60`00a0e1cb : fffffa80`04c4c010 fffffa80`04c4c028
fffffa80`04c4c010 fffffa80`052af040 : fltmgr!TreeFindNodeOrParent+0x8
fffffa60`0f231d00 fffffa60`00a3e027 : 00000000`00000000 fffffa80`043abb20
fffffa80`043abb20 00000000`00000001 : fltmgr!TreeInsert+0x2b
fffffa60`0f231d30 fffffa60`00a10c4a : fffffa80`04c4c010 fffffa80`043abb20
fffffa80`0447c300 fffffa80`052afe10 : fltmgr!FltpCacheCreateNames+0x2f7
fffffa60`0f231db0 fffffa60`00a2726c : fffffa80`052af040 fffffa80`052af8d0
fffffa80`041e4c00 fffffa60`0f231e70 : fltmgr! ?? ::FNODOBFM::`string'+0x236f
fffffa60`0f231e20 fffff800`028dbd83 : 00000000`00000060 00000000`00000240
fffffa80`04b3a628 fffff880`098a0210 : fltmgr!FltpCreate+0x25d
fffffa60`0f231ed0 fffff800`028d5672 : fffffa80`052af040 00000000`00000000
fffffa80`0a65eb10 00000000`00000000 : nt!IopParseDevice+0x5e3
fffffa60`0f232070 fffff800`028d9944 : ffffffff`800025cc fffffa80`0a6bcb00
fffffa80`00000240 00000000`00000000 : nt!ObpLookupObjectName+0x202
fffffa60`0f232180 fffff800`028e5ee0 : 00000000`00000081 fffffa60`0f232630
00000000`00000000 fffffa80`0488ca00 : nt!ObOpenObjectByName+0x2f4
fffffa60`0f232250 fffff800`028b261a : fffffa60`0f232518 00000000`00000081
fffff880`098a0210 fffffa60`0f232550 : nt!IopCreateFile+0x290
fffffa60`0f2322f0 fffffa60`00a28dc9 : 00000000`00000000 fffffa60`0f232620
00000000`00000000 00000000`00000081 : nt!IoCreateFileEx+0xfa
fffffa60`0f232390 fffffa60`00a59f50 : 00000000`00000007 00000000`00000000
fffffa60`0f232518 fffffa60`0f232508 : fltmgr!FltCreateFileEx2+0x169
fffffa60`0f232480 fffff800`0295b217 : fffffa80`039c6501 fffff800`0265d201
00000000`00000000 fffffa80`05ccb60 : fileinfo!FIPfInterfaceOpen+0x400
fffffa60`0f232600 fffff800`02a03aa7 : 00000000`00000081 ffffffff`ffe91ca0
fffffa60`0f232718 fffffa80`00000000 : nt!PfpOpenHandleCreate+0x117
fffffa60`0f2326d0 fffff800`02a05dc6 : 00000000`00000000 fffff880`0da0b980
fffff880`0da00000 fffffa60`00000060 : nt!PfpFileBuildReadSupport+0xe7
fffffa60`0f2327c0 fffff800`02a2f7a9 : fffff880`00000000 00000000`00000001
00000000`000003d9 00000000`00000000 : nt!PfpPrefetchFilesTrickle+0x126
fffffa60`0f2328c0 fffff800`02a2fa62 : 00000000`00000000 fffffa60`0f232ca0
fffffa60`0f232a08 fffff880`0da00001 : nt!PfpPrefetchRequestPerform+0x2f9
fffffa60`0f232960 fffff800`02a2fcc6 : fffffa60`0f232a08 00000000`00000001
fffffa80`0a23bc80 00000000`00000000 : nt!PfpPrefetchRequest+0x171
fffffa60`0f2329d0 fffff800`02a423f8 : 00000000`00000000 00000000`00000004
00000000`00000000 00000000`05ffef01 : nt!PfSetSuperfetchInformation+0x1a5
fffffa60`0f232ab0 fffff800`02655df3 : fffffa80`04eac060 00000000`05fff790
fffffa80`048ea201 00000000`000a47f6 : nt!NtSetSystemInformation+0x8fb
fffffa60`0f232c20 00000000`773370ea : 00000000`00000000 00000000`00000000
00000000`00000000 00000000`00000000 : nt!KiSystemServiceCopyEnd+0x13
00000000`05fff6e8 00000000`00000000 : 00000000`00000000 00000000`00000000
00000000`00000000 00000000`00000000 : 0x773370ea

STACK_COMMAND: kb

Re: Bsod irq!_not_less_or_equal

SYMBOL_NAME: PAGE_NOT_ZERO_VISTA

FOLLOWUP_NAME: MachineOwner

MODULE_NAME: Unknown_Module

IMAGE_NAME: Unknown_Image

DEBUG_FLR_IMAGE_TIMESTAMP: 0

BUCKET_ID: PAGE_NOT_ZERO_VISTA

Followup: MachineOwner

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EXCEPTION_PARAMETER2: ffffffff

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00000000`00000002 fffffa60`0101b97f : nt!KiExceptionDispatch+0xa9
fffffa60`0f231b60 fffffa60`00a0e248 : fffffa60`00a0e1cb fffffa80`04c4c010
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fffffa60`0f231cf8 fffffa60`00a0e1cb : fffffa80`04c4c010 fffffa80`04c4c028
fffffa80`04c4c010 fffffa80`052af040 : fltmgr!TreeFindNodeOrParent+0x8
fffffa60`0f231d00 fffffa60`00a3e027 : 00000000`00000000 fffffa80`043abb20
fffffa80`043abb20 00000000`00000001 : fltmgr!TreeInsert+0x2b
fffffa60`0f231d30 fffffa60`00a10c4a : fffffa80`04c4c010 fffffa80`043abb20
fffffa80`0447c300 fffffa80`052afe10 : fltmgr!FltpCacheCreateNames+0x2f7
fffffa60`0f231db0 fffffa60`00a2726c : fffffa80`052af040 fffffa80`052af8d0
fffffa80`041e4c00 fffffa60`0f231e70 : fltmgr! ?? ::FNODOBFM::`string'+0x236f
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fffffa80`04b3a628 fffff880`098a0210 : fltmgr!FltpCreate+0x25d
fffffa60`0f231ed0 fffff800`028d5672 : fffffa80`052af040 00000000`00000000
fffffa80`0a65eb10 00000000`00000000 : nt!IopParseDevice+0x5e3
fffffa60`0f232070 fffff800`028d9944 : ffffffff`800025cc fffffa80`0a6bcb00
fffffa80`00000240 00000000`00000000 : nt!ObpLookupObjectName+0x202
fffffa60`0f232180 fffff800`028e5ee0 : 00000000`00000081 fffffa60`0f232630
00000000`00000000 fffffa80`0488ca00 : nt!ObOpenObjectByName+0x2f4
fffffa60`0f232250 fffff800`028b261a : fffffa60`0f232518 00000000`00000081
fffff880`098a0210 fffffa60`0f232550 : nt!IopCreateFile+0x290
fffffa60`0f2322f0 fffffa60`00a28dc9 : 00000000`00000000 fffffa60`0f232620
00000000`00000000 00000000`00000081 : nt!IoCreateFileEx+0xfa
fffffa60`0f232390 fffffa60`00a59f50 : 00000000`00000007 00000000`00000000
fffffa60`0f232518 fffffa60`0f232508 : fltmgr!FltCreateFileEx2+0x169
fffffa60`0f232480 fffff800`0295b217 : fffffa80`039c6501 fffff800`0265d201
00000000`00000000 fffffa80`05ccbd60 : fileinfo!FIPfInterfaceOpen+0x400

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fffffa60`0f232600 fffff800`02a03aa7 : 00000000`00000081 ffffffff`ffe91ca0
fffffa60`0f232718 fffffa80`00000000 : nt!PfpOpenHandleCreate+0x117
fffffa60`0f2326d0 fffff800`02a05dc6 : 00000000`00000000 fffff880`0da0b980
fffff880`0da00000 fffffa60`00000060 : nt!PfpFileBuildReadSupport+0xe7
fffffa60`0f2327c0 fffff800`02a2f7a9 : fffff880`00000000 00000000`00000001
00000000`000003d9 00000000`00000000 : nt!PfpPrefetchFilesTrickle+0x126
fffffa60`0f2328c0 fffff800`02a2fa62 : 00000000`00000000 fffffa60`0f232ca0
fffffa60`0f232a08 fffff880`0da00001 : nt!PfpPrefetchRequestPerform+0x2f9
fffffa60`0f232960 fffff800`02a2fcc6 : fffffa60`0f232a08 00000000`00000001
fffffa80`0a23bc80 00000000`00000000 : nt!PfpPrefetchRequest+0x171
fffffa60`0f2329d0 fffff800`02a423f8 : 00000000`00000000 00000000`00000004
00000000`00000000 00000000`05ffef01 : nt!PfSetSuperfetchInformation+0x1a5
fffffa60`0f232ab0 fffff800`02655df3 : fffffa80`04eac060 00000000`05fff790
fffffa80`048ea201 00000000`000a47f6 : nt!NtSetSystemInformation+0x8fb
fffffa60`0f232c20 00000000`773370ea : 00000000`00000000 00000000`00000000
00000000`00000000 00000000`00000000 : nt!KiSystemServiceCopyEnd+0x13
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00000000`00000000 00000000`00000000 : 0x773370ea

STACK_COMMAND: kb

SYMBOL_NAME: PAGE_NOT_ZERO_VISTA

FOLLOWUP_NAME: MachineOwner

MODULE_NAME: Unknown_Module

IMAGE_NAME: Unknown_Image

DEBUG_FLR_IMAGE_TIMESTAMP: 0

BUCKET_ID: PAGE_NOT_ZERO_VISTA

Followup: MachineOwner

*** Memory manager detected 2 instance(s) of page corruption, target is likely to have memory corruption.

RichTaylor1974