

Re: Server rebooting – MiniDump queries – New memory

Well I didn't bill for 12 hours. I installed their old memory at my problem account in a test machine and watched tv, went to bed, did other things when testing. If memory may be bad there is only one way to resolve the question. Test it when the server is off line. No ifs, ands or buts. Well just have them buy 2 new stick. If you are not running a server the memory is just regular old cheap ram at \$120 a stick. or it might be memory that cost \$200 a stick.

If you want to test on the cheap remove one stick and see how it runs. If it runs poorly install the other stick and run with just that stick. Of course if your server requires 2 sticks to run then you are back to testing off line or buying new memory. Aslo note that bad wiring in the motherboard could cause problems. Rare but this can be checked with off line memory checking.

On Tue, 20 Feb 2007 11:11:49 -0000, "Blue Wezza"
<blue-wezza@xxxxxxxxxxxxxxxxxxxx> wrote:

Hi,

Unfortunately i administer the server remotely. Hence under the terms of my contract the server owner could not afford for me to spend twelve hours on site testing both memory sticks – I was wondering if there is a way to test inside 2003 SBS at all?

Thanks

Wesley

"Jim Behning SBS MVP"
<jimbehning@xx>
wrote
in
message
news:63djt2tjknmrf17huo7mqfm1bo8nc9g0tr@xxxxxxxxxxx

Run a memory checker on the server. I use goldmemory but there are other products my friends use. You run this from a bootable floppy. The server is off line while checking memory. Last time I had this problem was when I installed 4 new sticks of memory in the server. Server ran fine for 2 months. I removed the

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new memory, installed the old memory. I tested the memory one stick at a time for 6 hours each stick until I found the problem stick. Every stick passed with the first pass. The problem module did not show up until it had been run for hours. You are also in luck if your server has memory that you can check in a workstation. Some memory will not run in workstation motherboards which may not be designed for ECC ram.

On Mon, 19 Feb 2007 09:42:39 -0000,
"Blue Wezza"

<blue-wezza@xxxxxxxxxxxxxxxxxxxx> wrote:

Hi,

Hi,

I have had a 2003 sbs server which has degenerated in stability over a period. I added an adaptec 2420sa raid adapter and put 3 x 250Gb wd caviar raid drives in, RAID5, then installed the operating system again – all user settings added afterwards (no disaster recovery) – only old work and data added.

Approx 3 times per day the server reboots, leaving a mini dump behind. I interpreted these minidump which all led to memory corruption, so i have just swapped out the 2x1Gb RAM. However the server has just rebooted again,
here is the minidump:

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Microsoft (R) Windows
Debugger Version
6.6.0007.5
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Loading Dump File
[C:\Mini021907-01.dmp]
Mini Kernel Dump File:
Only registers and stack
trace are available

Symbol search path is:
C:\Symbols;C:\symcache;srv*c:\symcache*<http://msdl.microsoft.com/download>
Executable search path is:
Windows Server 2003
Kernel Version 3790
(Service Pack 1) MP (2
procs)
Free
x86 compatible
Product: LanManNt, suite:
SmallBusiness
TerminalServer
SmallBusinessRestricted
SingleUserTS
Built by:
3790.srv03_sp1_rtm.050324-1447
Kernel base = 0x80800000
PsLoadedModuleList =
0x808a6ea8
Debug session time: Mon
Feb 19 09:21:07.610 2007
(GMT+0)
System Uptime: 1 days
0:57:53.453
Loading Kernel Symbols
.....
Loading User Symbols
Loading unloaded module
list
....

*
*
* Bugcheck Analysis
*

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```
*  
*  
*****
```

Use !analyze -v to get
detailed debugging
information.

BugCheck 1A, {3452,
fc0201, c0884f68, 80}

Probably caused by :
memory_corruption (
nt!MiDeleteAddressesInWorkingSet+155
)

Followup: MachineOwner

```
1: kd> !analyze -v  
*****  
*  
*  
* Bugcheck Analysis  
*  
*  
*  
*****
```

MEMORY_MANAGEMENT

(1a)
Any other values for
parameter 1 must be
individually examined.
Arguments:
Arg1: 00003452, The
subtype of the bugcheck.
Arg2: 00fc0201
Arg3: c0884f68
Arg4: 00000080

Debugging Details:

BUGCHECK_STR:
0x1a_3452

CUSTOMER_CRASH_COUNT:
1

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DEFAULT_BUCKET_ID:
DRIVER_FAULT_SERVER_MINIDUMP

PROCESS_NAME:
spoolsv.exe

CURRENT_IRQL: 0

LAST_CONTROL_TRANSFER:
from 8084c103 to 80827451

STACK_TEXT:
ba516a8c 8084c103
0000001a 00003452
00fc0201
nt!KeBugCheckEx+0x1b
ba516c48 8084c24d
88f8d7d8 88f8d7d8
00000000
nt!MiDeleteAddressesInWorkingSet+0x155
ba516c68 8094b539
88f8da00 885206f0
00000080
nt!MmCleanProcessAddressSpace+0x111
ba516cf0 8094b5b7
00000080 ba516d4c
8082d8b8
nt!PspExitThread+0x5f1
ba516cfc 8082d8b8
885206f0 ba516d48
ba516d3c
nt!PsExitSpecialApc+0x1d
ba516d4c 80888cd4
00000001 00000000
ba516d64
nt!KiDeliverApc+0x1ae
ba516d4c 7c82ed54
00000001 00000000
ba516d64
nt!KiServiceExit+0x56
WARNING: Frame IP not
in any known module.
Following frames may be
wrong.
0087ffb8 00000000
00000000 00000000
00000000 0x7c82ed54

STACK_COMMAND: kb

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FOLLOWUP_IP:
nt!MiDeleteAddressesInWorkingSet+155
8084c103 cc int 3

SYMBOL_STACK_INDEX:
1

SYMBOL_NAME:
nt!MiDeleteAddressesInWorkingSet+155

FOLLOWUP_NAME:
MachineOwner

MODULE_NAME: nt

DEBUG_FLR_IMAGE_TIMESTAMP:
42435b14

IMAGE_NAME:
memory_corruption

FAILURE_BUCKET_ID:
0x1a_3452_nt!MiDeleteAddressesInWorkingSet+155

BUCKET_ID:
0x1a_3452_nt!MiDeleteAddressesInWorkingSet+155

Followup: MachineOwner

Does anyone have ideas that
they can throw to me – im
sinking!

Thanks

Wes