

Re: Seems like only 1GB RAM being used even when higher MAX RAM is

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*Source:*

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.setup/2008-07/msg00191.html>

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- *From:* Tomar <Tomar@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
  - *Date:* Fri, 25 Jul 2008 07:35:00 -0700
- 

We also had similar situation where SqlServer 2000 was using the complete memory installed in the server. We have dual core CPU with windows 2003 os.

If your machine is 32 bit your system will never use more than 2 gb RAM per cpu. So server won't allow SQL to use more than 2gb per CPU. And if it is 64 bit machine than it will use more than 2 gb of RAM per CPU.

As we have dual core machine and had installed 8 gb RAM but 4 gb is just lying and it is used at all. I may be out of synch but hope this helps to reduce your problem.

"Ekrem Önsoy" wrote:

I'm following this thread and the problem is really interesting.

However, in your following reply, I wish you'd tell us the "Total Server Memory" and "Target Server Memory" counters' results.

I know, you gave us lots of proves about the memory consumption. But the results of these counters would definitely prove you had enough RAM but SQL Server can't take advantage of it.

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Ekrem Önsoy

"Larry Epn" <larryepn@xxxxxxxxxxxxxxxxxxxx> wrote in message  
<news:2BD8FB94-7940-4707-A0FC-02CB9279BCCE@xxxxxxxxxxxxxxxxxxxx>

Yes, it does not add up.  
I just reconfirmed all of this.  
Here is boot.ini:

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[boot loader]

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```
timeout=30
default=multi(0)disk(0)rdisk(0)partition(2)\WINNT
[operating systems]
multi(0)disk(0)rdisk(0)partition(2)\WINNT="Microsoft Windows 2000
Server"
/fastdetect
```

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Perfmon shows available MBytes = 2148  
so 2Gb are just sitting there.

I made the changes you suggested (set min = 0, max = 2Gb), and restarted sql service. I run a halacious join query and watch the memory increase, increase, increase, and then in task manager it gets stuck at its usual 1062Mb, which is consistent with the PerfMon shows. Then in PerfMon, the %Disk Time goes through the roof. This is what happens ALL the time, regardless of what settings are changed.

Your suggestion to move to later versions is valid, but I don't see why I can't get THIS server to use at least 2Gb (or 1.7Gb who's counting?) !!!

Does Microsoft have any ideas?

Thanks,  
Larry