

## Re: /3GB switch in 64-bit environment

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*Source:*

<http://www.tech-archive.net/Archive/SQL-Server/microsoft.public.sqlserver.setup/2006-08/msg00154.html>

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- *From:* "Arnie Rowland" <[arnie@xxxxxxxx](mailto:arnie@xxxxxxxx)>
  - *Date:* Mon, 7 Aug 2006 13:26:25 -0700
- 

Travis,

SQL Server 2005, Standard Edition allows 4 GB memory –if that's of any help.

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Arnie Rowland, Ph.D.  
Westwood Consulting, Inc

Most good judgment comes from experience.  
Most experience comes from bad judgment.  
– Anonymous

"Travis" <[Travis@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:Travis@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message  
[news:5BA4C598-BBE4-4C41-92FA-9DCC117E4C80@xxxxxxxxxxxxxxxxxxxx](mailto:news:5BA4C598-BBE4-4C41-92FA-9DCC117E4C80@xxxxxxxxxxxxxxxxxxxx)

Oops, I was interpreting his tables wrong. Thanks for pointing that out.

"Arnie Rowland" wrote:

From:  
[http://www.sql-server-performance.com/jc\\_system\\_storage\\_configuration.asp](http://www.sql-server-performance.com/jc_system_storage_configuration.asp)

The table below shows SQL Server 2000 processor and memory support by edition. The SQL Server 2000 64-bit version is for Itanium only.

SQL Server 2000 Processor and Memory support by Edition Standard  
Ed. 32-bit / 64-bit  
Enterprise Ed. 32-bit / 64-bit

Max Processor (Sockets)  
4  
No Limit

Max Memory

Re: /3GB switch in 64-bit environment

2GB  
64GB / 512GB

—  
Arnie Rowland, Ph.D.  
Westwood Consulting, Inc

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"Travis" <Travis@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
[news:0C788E6E-8282-4A9A-8627-5E81DAF97DE6@xxxxxxxxxxxxxxxxxxxx](mailto:news:0C788E6E-8282-4A9A-8627-5E81DAF97DE6@xxxxxxxxxxxxxxxxxxxx)

Not according to 64-bit windows. You should be able to use  
the /3GB  
switch  
in a 64-bit environment. SQL 2000 standard can use it and  
SQL 2005  
standard  
can use up to the Operating System's Max memory. Here is  
the link I  
got  
my  
info from:  
[http://www.sql-server-performance.com/jc\\_system\\_storage\\_configuration.asp](http://www.sql-server-performance.com/jc_system_storage_configuration.asp)

"Tom" wrote:

SQL2000 Standard si limited to 2GB. You  
need to upgrade to SQL 2000  
Enterprise or SQL2005 Standard to use  
above 2GB of RAM .

Tom.

"Travis"  
<Travis@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>  
wrote in message  
[news:5C22333E-60F0-481D-9632-69B4CA16B059@xxxxxxxxxxxxxxxxxxxx](mailto:news:5C22333E-60F0-481D-9632-69B4CA16B059@xxxxxxxxxxxxxxxxxxxx)

I already moved the max  
memory setting to 3072.

"Arnie Rowland" wrote:

Re: /3GB switch in 64-bit environment

You have to  
also change  
the max  
memory  
setting in  
SQL Server  
properties.

--  
Arnie  
Rowland,  
Ph.D.  
Westwood  
Consulting,  
Inc

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Most  
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bad  
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-  
Anonymous

"Travis"  
<Travis@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in  
message

[news:B6EB6A58-99DD-47F9-95A3-61777697C52F@xxxxxxxxxxx](mailto:news:B6EB6A58-99DD-47F9-95A3-61777697C52F@xxxxxxxxxxx)

I  
recently  
put  
in  
the  
/3GB  
switch  
on  
our  
Windows  
2003  
Server  
R2  
boot.ini

Re: /3GB switch in 64-bit environment

file.  
We  
are  
running  
SQL  
2000  
Standard.  
After  
the  
reboot  
our  
physical  
memory  
is  
not  
going  
over  
2GB.  
Is  
there  
something  
else  
I  
missed?  
Thanks.