

Re: Large Amount of Memory Message

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2008-01/msg01999.html>

- *From:* thomas <thomas@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Tue, 15 Jan 2008 13:31:01 -0800
-

It should be our main application (Time Matters/Billing Matters Enterprise 7.0).

But wasn't really sure how to match each instance of SQL with a specific application.

I have 4 Instances of SQL running. With PID # 1956, 1968, 1984, and 2004.

Thomas

"Dave Nickason [SBS MVP]" wrote:

If you have 3 GB of RAM, according to the support blog, that figure should be set to 3221225472.

It's alerting you if the server is using more memory than the amount of physical RAM – in other words, if it's using the page file. It's not that any one process is using an abnormal amount of RAM, but rather that the total RAM in use by the server is high. If you have a single SQL instance using 1.8 out of 3 GB, I'd say that's a big part of the cause. What's running in that instance?

"thomas" <thomas@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:650FF589-3FC7-4D8E-8FD1-36C36CFBF761@xxxxxxxxxxxxxxxxxxxxx

Mr. Nickason,

I guess my problem is I don't understand what this expression (for Allocated Memory Properties) means so I don't want to necessarily change the alert:

If the average value of Committed Bytes [Real Number] Is greater than 3500000000 (3.5GB).

Before I learned how to interact with this property I assumed it was

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related
to the SQL instance that was using 1.8 GB of memory. But now I don't
think
that is the case.

Besides I only have 3 GB of RAM memory so how would it every go over 3
GB?

If you would please explain this Expression for me because I'm obviously
not
understanding.

I only care about this because it was set up as default not because of any
symptoms.

Again, thanks for you patience.

Thomas
"Dave Nickason [SBS MVP]" wrote:

You don't really need to throttle that memory IMO. What I
initially did
when I was getting these alerts daily was to ignore them for a
month.
Then
I went in and set the alert threshold to 110 or 120% of the
30-day
average
value. If you're not having specific symptoms that lead you
to want to
make
adjustments, I'd just up the alert threshold rather than mess
with SQL.

For anything you change from its default, I recommend
keeping a written
record of the default setting in case you get an unintended
result.

"thomas" <thomas@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote
in message
news:05BDF6AC-3DF9-4014-96D5-82B45E6C3140@xxxxxxxxxxxxxxxxxxxx

Thanks Mr. Nickason for the quick reply.

The first site was very helpful except now I
don't know what is causing
the
problem.

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Once I've gone to the Health Monitor >
Right click on Allocated Memory

Properties:

The Expression I have is "If the average value of Committed Bytes [Real Number] Is greater than 3500000000 (3.5 GB).

So I'm not sure what that is pertaining to or what is causing this value?

Also, I have seen Susan's blog about changing the throttling for RAM for SQL instances, should I do this? I didn't think it need to be done.

Thomas

"Dave Nickason [SBS MVP]" wrote:

I recommend going to this article and verifying that the alert settings are correct. This is the blog of top-level SBS support at MS, so please add to your feeds or bookmark for future reference. These guys watch the community for common issues, so there's always a lot of good stuff here.

Allocated Memory Errors
After Adding RAM

<http://blogs.technet.com/sbs/archive/2006/06/07/433707.aspx>

Failing that, I'd search Susan

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Bradley's blog for information on throttling the RAM allocation for SQL instances. Susan's blog is a primary source of relevant and current info about SBS, and other small business computing issues, and also lots of good security stuff.

<http://msmvps.com/blogs/bradley/default.aspx>

"thomas"

<thomas@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in message

news:A68D2660-34A7-43E4-9EF1-F96CEA20E52B@xxxxxxxxxxxxxxxxxxxx

Hello All!
Please give me some guidance.

We currently have SBS 2003 SP1 and 3GB of Memory.

I've been receiving this alert:

"A large amount of memory is committed to applications and processes. Consistently high memory usage can cause

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performance
problems.

To
determine
which
processes
and
applications
are using
the most
memory,

use
Task
Manager.
Monitor the
activity of
these
resources
over a few
days.

If
they
continue to
use a high
level of
memory
and are less
critical
processes
or services,
try stopping
and then
restarting
them.

You can
disable this
alert or
change its
threshold by
using the
Change
Alert
Notifications
task in the
Server
Management
Monitoring
and
Reporting

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taskpad."

The SQL
process is
using
(Under
Task
Manager >
Processes >
Mem
Usage)
1.8
GB of
memory.

I'm
assuming
the alert
above is
pertaining
to this
process.
This is our
primary use
for SBS
other than
for file
sharing. It
the
alert
it
says "you
can disable
this alert",
but I haven't
been able to
figure
out
how
to do that.

Am I
correct in
my
assessment,
that SQL is
causing this
alert?
Should I
allow SQL
to reserve
1.8 GB of

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memory? IF
so how to I
disable the
alert.
I've gone to
the Monitor
and
Reporting
under
Server
Management,
but
have
been
unable to
find this
specific
alert.

Thanks for
you
assitance,

Thomas