

Re: Virtual Memory is too low

Source:

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.general/2007-08/msg03802.html>

- *From:* "Gerry" <gerry@xxxxxxxxxx>
 - *Date:* Fri, 17 Aug 2007 18:36:54 +0100
-

What trump would that be?

You've gone off on a tangent again. I repeat my questions!

Your statement "is too large and windows simply won't use all that additional space. In fact, it actually degrades the performance of the operating system and wasting valuable disk space as well." set me wondering how you might justify what you have said!

Free disk space is valuable if you have insufficient and less or not valuable if you have plenty! Explain how free disk space has to be valuable?

Why would an overlarge pagefile degrade performance?

Hope this helps.

Gerry

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FCA

Stourport, England

Enquire, plan and execute

~~~~~

actually, although it seems you
are providing a courtesy, it was simply
an attempt to create controversy.

as far as I am concerned you can set the
vm to any size that you think is best for your system.

you seem somewhat reasonable therefore you would also have

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reasoned that if I wanted your opinion i would have asked for it.

I stand by my suggestion because it will help the o.p., whether or not you like it. If you have strong reservations about setting the vm at a fixed size, then please forward them to the microsoft software engineers so that they can remove the feature / option.

until then, i will continue to take advantage of the option windows has provided and provide it to computer users who are encountering difficulties with their vm, similar to what is described by "MICROSOFT":

<http://support.microsoft.com/kb/308417>

sorry to trump you...

db .^..^..>)))>^..^..^..>)))>.
<)))>.^..^..>)))>^..^..^..>)))>

"Gerry" <gerry@xxxxxxxx> wrote in message
news:uWcbOwO4HHA.1484@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Sorry DB you've gone off on a tangent and ignored the questions I posted.

Thanks, however, for adjusting your line length.

To reduce the risk of accidentally sending Drafts uncheck Send Messages Immediately –Tools, Options, Send. Your message was innocuous but if you're fired up you can send a message saying something best left unsaid.

The aspect of virtual memory you refer to as a machine limitation is not! It is a default setting, which can be changed by the user.

When you refer to most users would not use 50 mb I think you will find it more than likely that most do but not all of the time. However, I am not aware of any published statistics. Usage is not a constant. All users use some pagefile memory, whether they run out of RAM memory or not. Adding RAM can reduce but not eliminate pagefile

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usage. Your comments about the suitability of 512 mb are a generalisation.

The amount of RAM required for satisfactory performance depends on intended use.

Before you reply to the questions I asked have a look at this Article: <http://aumha.org/win5/a/xpvm.htm>

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Hope this helps.

Gerry

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FCA

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hmm? my previous posting was a draft
not sure why it got posted. however, i hope
this posting is better understood.....

the vm is a machine limitation.

in this case, the limitation is based on the physical memory
size of
your
the ram chips. let's say you have a pc with 64 megabytes, of
course
this is only an example.

the virtual memory was designed to help move data in and
out of the
physical ram onto the disk in a special file called pagefile.sys

mathematically a 1 to 1 ratio could be used. so if you only
have a
64 megabyte ram chip, then all it can mechanically move to
and from
the pagefile.sys is 64 megabytes of data.

if one tries to set the size of a pagefile to a size 1000
megabytes,
the machine will still only use 64 megabytes because of the

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physical
ram.
the above is only an example is an extreme only to help
illustrate
and
explain.

lets say that the vm has been set to a max size of 1000
megabytes
but you only have a 64 megabyte ram chip, then
approximately 936
megabytes of disk space that can be used for regular data is
instead
locked up /
reserved for vm eventhough the o.s. can't use it. frankly,
most
regular computer users never use 50 percent of the virtual
memory
anyways. so in
this example, most users would not use 50 megabytes of v.m.

however, powerusers, and high end graphics programs run
out
of ram memory and virtual memory likewise, so one of the
easiest
options is to gain more power is to increase the machines
ram.

it would be wonderful that all computers could have a 64
megabyte
chip and by simply maxing out the virtual memory say to 4
gigabytes
would make any computer into a super computer with lots of
memory –
but we aint' there yet.

the best way to improve performance is simply have enough
ram
installed. unlike
my example of 64 megabytes, windows xp simply could not
function
with this
limitation. most computers are optimized for 512 megabytes
of ram.
they
might sell a pc with less ram, but it is done not only to
reduce the
cost of a pc,
but is sufficient to run windows, excluding all other third
party
softwares.

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actually, if the virtual
memory too
low message implies that
the space
reserved for it is
insufficient.

for example let say you have
512 megabytes of ram.
logically
the maximum size of the vm
should
be 1.5. So the max should
be set
at 768 megabytes.

however, if the max is set
like 100
megabytes instead of 768
megabytes
your machine will tell you
that the
vm is too low.

now let's say you want to set
the
max range beyond 768 like
2500
megabytes. your machine
will not
cry out about vm being too
low,
however, 2500 megs is too
large
and windows simply won't
use all
that additional space. In
fact, it
actually degrades the
performance
of the operating system and
wasting
valuable disk space as well.

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in regards to the minimum size this is simply a low side of the range.

as mentioned, go ahead and take the time to optimize your system. by trying different ranges or settings.

however, i always suggest as a default fix for low vm is to set it to custom size of min=2 and max=1152.

1152 may be too much for some systems, but it works fairly well and can be adjusted to be lower or just left as is.

after you find the optimum size for your vm. let me know and I can provide additional fyi to help you monitor your new settings....

but first work on the initial issue your o.s. is having....

```
db .^`... , .  
.^`..>(<)))^>`... ^`... ^`...>(<)))^>.  
  
<)))^>`...  
, . ^`...  
>(<)))^>`... ^`... ^`...>(<)))^>
```

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"Laughingstar~*"

<le_sentier_battunosпам368@xxxxxxxxxx>

wrote in

message

news:O2sCw4G4HHA.4672@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

db, you told

me to

reduce my

VM,

remember?

" db ^~..

><)))°>` .. ."

<databaseben.public.newsgroup.microsoft.com>

wrote in

message

news:Oqu6nfC4HHA.1188@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

the

initial

size

is

the

minimum

windows

permits.

if

you

look

at

the

configuration

dialog

for

the

virtual

memory,

it

indicates

the

minimum

allowed.

but

you

can

also

input

a

0

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or
a
1
and
you
will
get
a
simple
message
about
it.

you
don't
have
to
use
2
and
can
test
your
system
with
higher
sizes,
that
is
if
you
have
the
time
and
patience.
something
to
realize
however,
is
that
windows
will
not
use
more
virtual
memory
than

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is
necessary.
if
i'm
not
mistake
the
limit
is
1.5
times
the
size
of
your
physical
ram.

so
if
you
max
out
your
page
file
with
a
high
amount
say
like
5
times
the
ram
size,
you
will
only
be
wasting
that
additional
space
that
has
been
reserved
for
vm

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but
"will
not"
be
used
by
windows.

although
automatic
resizing
is
a
convenience
for
users,
it
is
not
always
the
best
option
for
some
systems,
especially
the
older
ones.
Thus
windows
nags
about
the
low
virtual.

my
systems
are
optimized
with
custom
sizes
and
i
never
get
that
nag.

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however,
other
systems
may
use
the
automatic
resizing
just
fine
and
never
get
the
nag
as
well.

here
is
a
link
with
more
fyi
on
vm:

<http://search.microsoft.com/results.aspx?mkt=en-US&form=>

--

db
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,
.
.
<)))>.
,
.
><)))>.
.
><)))>.

.

"Trevor"

Re: Virtual Memory is too low

<trevor@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote

in

message

news:eM9vtEC4HHA.3916@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

"

db

^~..

><)))°>`

..

."

<databaseben.public.newsgroup.microsoft.com>

wrote

in

message

news:u80SUCC4HHA.5984@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

<http://support.microsoft.com/kb/826513>

you
can
try
an
custom/initial
size
of
2
and
max
of
1.5
times
the
physical
size
of
your
ram.

Can
you
explain
an
initial
size
of

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2?