

# Re: Virtual Memory is too low

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<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.general/2007-08/msg03782.html>

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- *From:* John John <[audetweld@xxxxxxxxxxxx](mailto:audetweld@xxxxxxxxxxxx)>
  - *Date:* Fri, 17 Aug 2007 12:50:21 -0300
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Same incorrect information as your other post. Readers would be well advised to completely disregard your posts on the subject.

John

db ^~.. ><)))°>` ... wrote:

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

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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 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 /

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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.

acquiring and purchasing more ram than a regular pc user needs will likely be a waste of money for the regular pc user. at the same time havng too much virtual memory will be costly to your computer and waste valuable resources.