

8Gb of memory assigned to VM but not ...



Oli L 91 posts since

Aug 1, 2006 I have assigned 8GB of memory to a virtual machine.

The VM OS is Windows 2003 Ent SP2

ESX 3.0.1 latest patches 44686

The OS is only showing 3.75GB of RAM

I have checked the config maximums for both Windows and ESX

Windows 2003 ent: maximum: 32 GB for x86-based PCs with the 32-bit version

Virtual Machine maximum for ESX 3 Infrastructure: Size of RAM per virtual machine 16384MB

Is there any configuration I need to do or am I missing something, ie "a bug" 😊

Many thanks



peetz 273 posts since

Sep 25, 2004 1. **Re: 8Gb of memory assigned to VM but not showing up in OS** May 25, 2007 3:57 AM

Check if Windows uses the PAE extension inside the VM.

If you look at "System Properties / General" you should be able to read "Physical Address Extension" as last line in the Computer-section.

Without PAE Windows 2003 (32-bit) will only address 4 GB of memory.

You can force the usage of PAE by adding /PAE to C:\BOOT.INI like here:

[code]

[boot loader]

timeout=5

default=multi(0)disk(0)rdisk(0)partition(1)\WINDOWS

[operating systems]

multi(0)disk(0)rdisk(0)partition(1)\WINDOWS="Windows Server 2003, Enterprise" /fastdetect /pae

[/code]

And - next time - please mark your post as a question (if it is a question like this one) so that you can reward points for helpful or correct answers.

Regards


Andreas



Oli L 91 posts since

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Aug 1, 2006 **2. Re: 8Gb of memory assigned to VM but not showing up in OS** May 25, 2007 6:07 AM

 in response to: [peetz](#) thanks - that did the trick

Will change my question next time!