

microsoft.public.mac.virtualpc: Re: Despite promises, VPC 7 is impossibly slow... (TESTS Needed)

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From: Scottie (scottie_at_nowhere.com)

Date: 01/29/05

Date: Fri, 28 Jan 2005 23:58:16 -0800

I downloaded and tested this software on my PB 867.

If I'm reading your chart right then, yes, your performance based on these numbers is less than I'd expect.

I dont have a G5 though so I dont know if the impact of some conversions necessary for the G5 are this significant.

However, if you are running other OS X apps at the same time then your results are going to vary wildly.

Even on my quiet PB, two sets of runs would vary a bit.

I'm not sure how familiar you are with Windows and Windows services. But you might find significant improvements to be found if you selectively disabled unneeded services.

Do so with caution of course or you could lose functionality or destabilize your system.

I tested in configurations comparing 256MB with virtual memory of 512MB, 512MB with no virtual memory, and again after uninstalling VMWare and taking out its services.

Top performer did not surprise me was 512MB with no Windows virtual memory. 256MB with virtual memory was up to 20% lower.

After losing the VMWare services performance went up about 10%.

Nothing special about VMWare here, its just an example of what impact a background service can have – even when it wasnt meant to be doing anything.

In VPC I aggressively cut back the services I have started unless I explicitly need them.

To spare your G5 embarassment here, I wont say how many factors greater the little 867MHz PB reports in MFLOPs.

I've got to hope your system is capable of significantly better performance

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here.

"jac" <jcoronat@paulbunyan.net> wrote in message
news:1106637173.254367.260100@f14g2000cwb.googlegroups.com...
> I downloaded PassMark 3.5 and tested my machine--a 1.8 GHz PowerMac G5
> (single processor). The results are below. My machine, running VPC7.0,
> is so agonizingly slow that it's difficult to get anything done
> sometimes. The only thing I have running on the virtual machine is
> Internet Explorer, and that's to test web pages.
>
> I've got Windows set to optimize speed: control panel>system>advanced
> (tab)>performance, (all of them), paging file size = 384 MB, expandable
> to 768 MB, and so on. It may take a good minute to load a page that's
> on my own MacOS drive using IE. Networking is set to Virtual Switch.
> The allocation it gives itself in my memory continues to grow: it
> started at about 290 MB and now it's up around 370 MB. What's with
> that? If anybody has any suggestions, please let me know!
>
> I ran the test twice, and listed the results using PassMark's archived
> benchmark data.
>
> System information - This Computer (from PassMark)
> CPU Manufacturer: Virtual CPU
> Number of CPU: 1
> CPU Type: 686 Gen
> CPU Speed: 532.7 MHz
> Cache size: Unknown
> O/S: Windows XP Professional
> Total RAM: 267964416 Bytes
> Available RAM: 159121408 Bytes
> Video settings: 1152x864x32
> Video driver:
> DESCRIPTION:
> VM Additions S3 Trio32/64
> MANUFACTURER:
> S3 Compatible
> BIOS:
>
> DATE:
>
> Drive Letter: C
> Total Disk Space: 16.1 GBytes
> Cluster Size: 8 KBytes
> File system: FAT32
>
> Results Produced by PassMark PerformanceTest (<http://www.passmark.com>)
> Version: V3.5
>
> System Information (Apple)
> Machine Model: Power Mac G5
> CPU Type: PowerPC G5 (3.0)

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- > *Number Of CPUs: 1*
- > *CPU Speed: 1.8 GHz*
- > *L2 Cache (per CPU): 512 KB*
- > *Memory: 1.5 GB*
- > *Bus Speed: 600 MHz*
- > *Boot ROM Version: 5.2.2f1*
- >
- >
- > *Test Name Proteus Gateway*
- > *VPC7 on G5 VPC7 on G5*
- > *Pentium 4*
- > *Pentium II Trial 2 Trial 1*
- > *1700*
- > *400*
- > *Maths – Addition 371.16 74.59*
- > *109.17 48.21*
- > *Maths – Subtraction 371.53 74.63*
- > *108.23 48.11*
- > *Maths – Multiplication 291.79 71.42*
- > *95.11 40.24*
- > *Maths – Division 29.39*
- > *10.23 26.05 12.22*
- > *Maths – Floating Point Addition 327.16 79.10*
- > *14.61 6.84*
- > *Maths – Floating Point Subtraction 314.43 79.28*
- > *15.84 6.84*
- > *Maths – Floating Point Multiply 320.40 75.36*
- > *15.54 6.84*
- > *Maths – Floating Point Division 42.88 11.69*
- > *14.77 7.04*
- > *Maths – Maximum MegaFLOPS 434.98 120.39*
- > *24.73 10.79*
- > *Graphics 2D – Lines 76.09*
- > *8.63 3.71 1.38*
- > *Graphics 2D – Bitmaps 75.42 45.84*
- > *18.30 8.44*
- > *Graphics 2D – Shapes 16.55 3.44*
- > *1.67 0.70*
- > *Graphics 3D – Many Worlds 346.50 226.36*
- > *2.40 1.77*
- > *Memory – Allocate small block 156.69 70.75*
- > *93.73 43.30*
- > *Memory – Read cached 246.73 53.12*
- > *66.98 27.39*
- > *Memory – Read uncached 241.78 42.04*
- > *42.38 18.95*
- > *Memory – Write 179.52 32.00*
- > *38.82 16.88*
- > *Disk – Sequential Read 13.79 8.48*
- > *10.91 9.89*
- > *Disk – Sequential Write 69.88 12.51*

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> 18.56 11.42
> *Disk – Random Seek + RW* 5.41 5.44
> 2.20 2.53
> *MMX – Addition* 357.44 137.31
> 154.59 72.08
> *MMX – Subtraction* 356.20 136.95
> 160.48 68.85
> *MMX – Multiply* 347.72 135.87
> 115.76 54.35
> *MMX – SSE/3DNow!* 749.49 0.00
> – –
> *Maths mark* 248.42 59.20
> 42.07 18.57
> *2D Graphics mark* 224.09 77.22
> 31.58 14.02
> *Memory Mark* 198.55 47.64
> 58.24 25.65
> *Disk mark* 235.18 69.78
> 83.59 62.93
> *3D Graphics mark* 235.62 153.93
> 1.64 1.20
> *MMX Mark* 230.43 69.59
> 73.10 33.13
> *PassMark Rating* 229.32 51.96
> 49.98 28.15
>