

RE: only 50% CPU usage for some processes

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From: nkjg (anonymous_at_discussions.microsoft.com)

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Hi there,

You're seeing two CPU meters under the task manager because WinXP "sees" your Hyper-Threading processor as two separate processors (that's the whole idea behind the system).

As for only being able to use 50% of the CPU, it may be for the same reason. Think of your CPU as being split in half, and each half can work on its own just as well as a whole processor. Some processes are only able to finish one calculation at a time.

Say you've written a program that loops through an index from 1 to 1000. It then does a lot of calculations on that index a lot of times (just to use up time). The computer isn't able to take advantage of the hyper-threading capabilities because the program must wait for the index to finish before it can move on. If there were two things to do at once, then you might see a total of 50% usage.

Just to be sure, in task manager, do you see both bars moving up and down while the CPU is at 50%? Then you are using the Hyper-Threading capabilities. If one of the bars is maxed out and the other is empty, then you've got a situation like I described above.

Hope this helps,

Nick

>-----Original Message-----

>Sounds like you have no problem. You have an Intel p4 processor with Hyper-Threading Technology requires a computer system with an Intel® Pentium® 4 processor supporting HT Technology and a Hyper-Threading Technology

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enabled chipset, BIOS and operating system. Performance will vary depending on the specific hardware and software you use. See <http://www.intel.com/info/hyperthreading/> for more information including details on which processors support HT Technology.

>Review above info for better understanding.

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>The best to you Joes...

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