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Subject: Re: How does one size a HN? Is RAM or CPU more important?

Posted by [rickb](#) on Thu, 22 Feb 2007 09:05:02 GMT

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Quote:Does a dual-core processor also have hyperthreading in each core, or does a dual-core processor always count as 2 processors?

It depends on the model. Some do and some don't- check your intel specs sheet. I know this xeon is dual core with ht:

"Dual Core Processor 2.8GHz, 800MHz FSB, 2 x 2MB L2 cache, 135W, 90nm, mPGA604"

Quote:processor : 7  
vendor\_id : GenuineIntel  
cpu family : 15  
model : 4  
model name : Genuine Intel(R) CPU 2.80GHz  
stepping : 8  
cpu MHz : 2794.252  
cache size : 2048 KB  
physical id : 1  
siblings : 4  
core id : 3  
cpu cores : 2  
fdiv\_bug : no  
hlt\_bug : no  
f00f\_bug : no  
coma\_bug : no  
fpu : yes  
fpu\_exception : yes  
cpuid level : 5  
wp : yes  
flags : fpu vme de pse tsc msr pae mce cx8 apic mtrr pge mca cmov pat pse36 clflush dts  
acpi mmx fxsr sse sse2 ss ht tm pbe lm pni monitor ds\_cpl est cid xtp  
bogomips : 5585.25

With this model, linux sees 8 CPUs. but there are two physical ones in there. Quad core, quad cpu, hyperthread. not sure about that one but sounds pretty crazy. 4\*4\*2

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