

Re:

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Source: <http://linux.derkeiler.com/Mailing-Lists/Debian/2007-03/msg01852.html>

- *From:* "David A. Parker" <dparker@xxxxxxxxx>
 - *Date:* Fri, 09 Mar 2007 15:49:04 -0500
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David A. Parker wrote:

Damien Ferrand wrote:

On 09/03/07 20:39 +0100, Ben Humpert wrote:

The Intel website shows wrong informations, on some sites you can see a 3,73GHz Extreme Edition in 0,90nm on some sites you only see a 3,4GHz EE in 0,90nm but there is ONLY a 3,73GHz EE in 0,90nm. I never use the Intel website, you cannot trust the informations about a CPU anymore :(
Check the flags /proc/cpu told ... there is a "ht" which means hyper-threading.

I agree there can be some mistakes on the intel site.

But I double-check in other places. The processor really looks like it is a Conroe (core microarchitecture), so it really can't have hyper-threading.

Obviously something is wrong on the /proc/cpuinfo but I think it is the ht flag.

There may be an easy way to tell. The "Intel Inside" sticker on the front of the server should indicate whether the processor is hyper-threaded. I have a PowerEdge 750 here with a hyper-threaded P4, and the sticker has a little "HT" in the upper right-hand corner.

The more I look into this, the more I believe that your processor does not have Hyper Threading. First, as mentioned before, is the proof presented in Intel's comparison chart of Xeon processors:

http://www.intel.com/products/processor_number/chart/xeon.htm

Also, my desktop PC has an INtel Pentium D dual-core process that is **not** hyper-threaded. However, the "ht" flag still appears:

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```
$ cat /proc/cpuinfo
```

```
processor : 0
vendor_id : GenuineIntel
cpu family : 15
model : 4
model name : Intel(R) Pentium(R) D CPU 2.80GHz
stepping : 7
cpu MHz : 2793.154
cache size : 1024 KB
physical id : 0
siblings : 2
core id : 0
cpu cores : 2
...
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts acpi mmx fxsr
sse sse2 ss ht tm pbe nx lm constant_tsc pni monitor ds_cpl cid cx16 xtpr lahf_lm
bogomips : 5591.48
```

```
processor : 1
vendor_id : GenuineIntel
cpu family : 15
model : 4
model name : Intel(R) Pentium(R) D CPU 2.80GHz
stepping : 7
cpu MHz : 2793.154
cache size : 1024 KB
physical id : 0
siblings : 2
core id : 1
cpu cores : 2
...
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush dts acpi mmx fxsr
sse sse2 ss ht tm pbe nx lm constant_tsc pni monitor ds_cpl cid cx16 xtpr lahf_lm
bogomips : 5586.24
```

This at least proves that you can't entirely trust the flags. For reference, my PC is running the 2.6.17-2 SMP kernel.

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