

Re: freebsd-performance Digest, Vol 3, Issue 11

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/performance/2003-05/0021.html>

From: David O'Brien (*obrien_at_freebsd.org*)

Date: 05/22/03

Date: Thu, 22 May 2003 10:56:15 -0700
To: Pavel Kraynyukhov <pavelkraynyukhov@mail.ru>

On Thu, May 22, 2003 at 09:14:45AM +0200, Pavel Kraynyukhov wrote:
> *As far as i know HyperThreading is an Intel trademark and technologie as*
> *well.*
> *AMD has something similar for them processors, but i have no idea is such*
> *feature supported by FreeBSD for AMD processors.*

I can tell you with upmost authority that AMD does not have something like HyperThreading in its CPU's --- not even in K8.

>> *I gotta question. I am contemplating buying the new AMD Opteron for a*
>> *newer FreeBSD server. I am certain because of it's x86 compatibility*
>> *running FBSD won't be a problem,*

Nope, no problems:

FreeBSD 5.1-BETA #9: Thu May 22 09:20:08 GMT 2003
root@k8.amd.com:/hammer/sys/amd64/compile/GENERIC

CPU: AuthenticAMD AMD64 Class Processor
Origin = "AuthenticAMD" Id = 0xf40 Stepping = 0
Features=0x78bfbff<FPU,VME,DE,PSE,TSC,MSR,PAE,MCE,CX8,APIC,SEP,MTRR,PGE,MCA,CM
OV,PAT,PSE36,CLFLUSH,MMX,FXSR,SSE,SSE2>
AMD Features=0xe0500000<<b20>,AMIE,<b29>,DSP,3DNow!>

file /boot/kernel/kernel
/boot/kernel/kernel: ELF 64-bit LSB executable, AMD x86-64, version 1 (FreeBSD),
dynamically linked (uses shared libs), not stripped

>> *and I know that there is a 64Bit Apache*
>> *underways, but is there any 64 bit MySQL Server on the way? Or does MySQL*
>> *compile with that option? I am certain it can be built with Hyper*
>> *Threading, but can that help performance on a single 64 bit CPU? Please*
>> *help! (before I invest :-))*

It will perform very well --- HyperThreading does is not the same as having two real processors. Some apps do perform better on a HyperThreaded CPU, others don't.

freebsd-performance@freebsd.org mailing list

<http://lists.freebsd.org/mailman/listinfo/freebsd-performance>

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