

Re: AMD64 NUMA-awareness?

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/arch/2005-05/0078.html>

From: Jung-uk Kim (jkim_at_niksun.com)

Date: 05/23/05

To: obrien@freebsd.org

Date: Mon, 23 May 2005 10:49:55 -0400

On Monday 23 May 2005 01:22 am, David O'Brien wrote:

> *On Thu, May 19, 2005 at 02:31:08PM -0400, Jung-uk Kim wrote:*
> > *I am not sure about the meaning of 'true NUMA capable machines'*
> > *but AMD64 is ccNUMA unless I am completely mistaken, and*
> > *FreeBSD/amd64 is well-supported. Even multicore processors are*
> > *available now*
>
> *..snip..*
>
> *I am working on extracting the CPU & memory topology on AMD Opteron*
> *machines. For Athlon64 X2 (dual-core) there is nothing for FreeBSD*
> *to do differently than today.*

Great. I am assuming you're working on ACPI SRAT/SLIT parsing, correct?

> *Once I have the ability to nicely express the topology on an*
> *Opteron system, there are two heavy hitters that have said they*
> *will consume the bits and work on optimizing FreeBSD for Opteron*
> *systems.*

If you need any help, let me know.

> *For Intel dual-core HTT systems, there aren't any NUMA*
> *characteristics I'm aware of.*

I believe you are correct.

Jung-uk Kim

> --

> -- David (obrien@FreeBSD.org)

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