Subject: PARIS multicore discovery!
Posted by mike audet[1] on Mon, 27 Oct 2008 11:48:28 GMT
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Hi All,

I found out something important about running PARIS on a multicore machine this morning.

All devices that share an IRQ with PARIS also need to be locked to the highest CPU using the intfilter driver.

I guess my new motherboard has more "stuff" on it, and one of my UAD cards now shares an IRQ with PARIS. Paris was not detecting an interface on the master card after I finished installing all my drivers. Locking the UAD cards to the highest CPU fixed it right up.

Cheers!

Mike

Subject: Re: PARIS multicore discovery!
Posted by Rod Lincoln on Mon, 27 Oct 2008 18:20:53 GMT
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Crap! I was hoping to be able to lock the UAD cards to a different core than Paris.
Rod
"Mike Audet" <mike@....> wrote:
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>Cheers!
>
>Mike

Subject: Re: PARIS multicore discovery!
Posted by Mike Audet on Mon, 27 Oct 2008 21:10:13 GMT
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Hi Rod,

You can, but they can't be sharing an IRQ with your EDS cards for that to work.

Cheers!

Mike

"Rod Lincoln" <rlincoln@nospam.kc.rr.com> wrote:
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>Paris.
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>>Mike
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Subject: Re: PARIS multicore discovery!
Posted by Rod Lincoln on Tue, 28 Oct 2008 05:16:11 GMT
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OK, thanks
rod

"Mike Audet" <mike@...> wrote:
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>Hi Rod,
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Subject: Re: PARIS multicore discovery!
Posted by Gantt Kushner on Tue, 28 Oct 2008 20:02:47 GMT
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So, does that mean that the native power the UAD-1 cards need won't load down
the Paris processor?

Gantt

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Subject: Re: PARIS multicore discovery!
Posted by Mike Audet on Tue, 28 Oct 2008 20:27:38 GMT
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Hi Gantt,

Yes and no. If you manually assign the two drivers to different CPUs, the interrupts wil be handled by the two different CPUs.

What I hadn't considered before staring on the Scherzo is that the driver is often called by an application, and when an application calls a driver, the driver will run on the CPU that the application is running on, regardless of interupt affinity settings. That's why the PARIS app needs to be locked to one CPU, too.

So, if the UAD driver is set to a different CPU than PARIS, calls that PARIS makes to the UAD driver will run on the PARIS CPU, and replies made by the UAD cards will run on the UAD CPU.

I hope this helps.

Mike

"Gantt Kushner" <ganttmann@comcast.net> wrote:
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Subject: Re: PARIS multicore discovery!
Posted by Aaron Allen on Tue, 28 Oct 2008 23:27:34 GMT
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Then you're ready for SQL Server 2008 utilizing HyperV.
AA

"Rod Lincoln" <rlincoln@nospam.kc.rr.com> wrote in message
news:49079c91$1@linux...
>
> AAAAHHHHHHH! MY BRAIN JUST EXPLODED!!!!!!
> "Mike Audet" <mike@...> wrote:
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Subject: Re: PARIS multicore discovery!
Posted by Rod Lincoln on Wed, 29 Oct 2008 00:13:21 GMT
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Subject: Re: PARIS multicore discovery!
Posted by Gantt Kushner on Wed, 29 Oct 2008 00:40:22 GMT
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What he said.

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Subject: Re: PARIS multicore discovery!
Posted by kerryg on Wed, 29 Oct 2008 00:50:51 GMT
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Zee more oui know, zee more oui can feeeeex.

:D

- K