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Subject: Question: Quad core VS Single Core  
Posted by [Kim W.](#) on Mon, 08 Mar 2010 18:06:48 GMT  
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Hi all.

Probably a stupid question.

I'm still running a four EDS PARIS system on a Gigabyte K8NS Ultra 939, with a single core Athlon 64 3800+ processor.

It works well, albeit with a few hiccups occasionally, depending on native plugin configurations.

Given that, with my understanding, PARIS will only ever be a single core application, is there any benefit in building a quad core machine to run Paris exclusively?

Would the upside be that I could use more native plugin instances, or are they tied to the one core nabbed by PARIS?

Just curious, as I would love to have a reason to purchase Mike's new drivers, and build a new machine. (I'll probably purchase anyway, just for the fact that he has put in so much effort..., and I LOVE his Class A amp, and Drum Plate!!)

Cheers,

Kim.

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Subject: Re: Question: Quad core VS Single Core  
Posted by [kerryg](#) on Mon, 08 Mar 2010 20:00:35 GMT  
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I hope Mike will correct me if I'm wrong, but as far as I understand it, since the drivers - Scherzo and the PSCL - he's now threadsafed are where the actual audio "heavy lifting" goes on in your PARIS system, it's not as critical a matter if the app itself (which has relatively light duties) were to lock itself to one core. Many of the larger tasks that go into PARIS' audio processing can be distributed off that core and on to others anyway.

The PARIS app gets disproportionate attention since it's the part of the PARIS system we interact with, but it's only one part of an entire ecosystem. Under Mike's drivers the PARIS system in aggregate (including the places where the audio work really goes on) is effectively now multicore. Not fully, there are still things being worked on, but effectively.

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Subject: Re: Question: Quad core VS Single Core  
Posted by [Ted Gerber](#) on Tue, 09 Mar 2010 00:05:16 GMT  
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Kim W. wrote on Mon, 08 March 2010 13:06

Would the upside be that I could use more native plugin instances,

Yes I believe this is the upside...

Ted