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Subject: Apogee with Core audio - low latency breakthrough or marketing hype?

Posted by [Dedric Terry](#) on Mon, 25 Feb 2008 23:46:50 GMT

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This is a multi-part message in MIME format.

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Content-Transfer-Encoding: quoted-printable

[#6693909](http://discussions.apple.com/thread.jspa?messageID=3D6693909) =  
(should take you to the next to last post on that page)

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Fwiw,  
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Subject: Re: Apogee with Core audio - low latency breakthrough or marketing hype?

Posted by [Dedric Terry](#) on Tue, 26 Feb 2008 01:11:13 GMT

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Apparently some Logic users see it as misleading (as do quite a few other pros I know), and those numbers quote plugin counts. With most DAWs, that equates directly to VSTi's (which are also plugins...). It's isn't the whole story. The website never says - "you won't get this kind of latency with VSTis the way you do with other DAWs on ASIO". ;-)) And that's exactly what I said in my post: Apogee only posted \*part\* of the story.

Really, I only posted this for those that might be interested in actually knowing what systems will do vs. what marketing would lead you to believe. These are the kind of real world reports that make or break a buying decision for those of us looking for really powerful systems and wanting to know exactly what we are getting, not just assume because we love the company behind it....

If you track all day for living, it sounds like a great system (but so is an RME MADI rig). If you run VSTi's, investigate it more and try before you buy, or look elsewhere in known waters (ASIO 2 systems), at least for now until there's either more info and/or Apogee beefs up their system/drivers.

The point isn't to defend or attack anyone - it's just to get to the bottom of what products \*really\* do so we know before we buy. As long as customers defend manufacturers out of blind loyalty, getting an honest answer and better products from those developers will only get more and more difficult.

Dedric

"James McCloskey" <excelsm@hotmail.com> wrote in message news:47c35daf\$1@linux...

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> I not sure I see any false claim, Apogee's info is here to see. I don't  
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Posted by [excelav](#) on Tue, 26 Feb 2008 01:30:39 GMT  
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\*Hardware/Session Details:

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Subject: Re: Apogee with Core audio - low latency breakthrough or marketing hype?

Posted by [Dedric Terry](#) on Tue, 26 Feb 2008 02:34:07 GMT

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Um... okay. Sounds like you are just defending Apogee for no good reason, esp. considering I didn't attack them, so give me a break with the "not good to make assumptions" lecture. For the last time - I posted this so people who have a real world interest in working with this kind of gear would know what to look out for, and you jump in to defend Apogee's marketing.

If you have experience with real world use as a composer on an Apogee Symphony system and think the Logic user misguided in his evaluation, I'm sure the Logic forum would be most interested in your input.

It's getting way too difficult to post anything that even hints at the word "Apple" here, so I'll take future technical discussions to other forums with more objectivity and interest in the real world reports rather than marketing interpretation debates.

Dedric

"James McCloskey" <excelsm@hotmail.com> wrote in message news:47c37654\$1@linux...

>  
> Dedric, I see the truth as the truth. It's good to be educated as to what  
> a system is capable of. It's not good to assume things. It is explained  
> that they are running 26 fx plugins with 32 tracks at 96k with a buffer  
> setting of 32 and getting 1.6 millisecond of latency using Logic 7.2.2.  
> If what they are saying is not true somebody should sue them. On the  
> other  
> hand, if somebody assumes that they can run a different version of Logic  
> with a different set up and run virtual instruments, I don't think you can  
> expect to get the same results. Apogee is clear about the set up, however  
> I do think they should have more information and be more clear about the  
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Subject: Re: Apogee with Core audio - low latency breakthrough or marketing hype?

Posted by [excelav](#) on Tue, 26 Feb 2008 03:15:48 GMT

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Dedric, I see the truth as the truth. It's good to be educated as to what a system is capable of. It's not good to assume things. It is explained that they are running 26 fx plugins with 32 tracks at 96k with a buffer setting of 32 and getting 1.6 millisecond of latency using Logic 7.2.2. If what they are saying is not true somebody should sue them. On the other hand, if somebody assumes that they can run a different version of Logic with a different set up and run virtual instruments, I don't think you can expect to get the same results. Apogee is clear about the set up, however I do think they should have more information and be more clear about the plugins counts. They should separate the maximum plugin count and the latency test, it's a bit confusing.

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>The point isn't to defend or attack anyone - it's just to get to the bottom  
  
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>As long as customers defend manufacturers out of blind loyalty, getting  
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Subject: Re: Apogee with Core audio - low latency breakthrough or marketing hype?

Posted by [excelav](#) on Tue, 26 Feb 2008 04:14:06 GMT

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---

Dedric, I think your right, we need to know what users think and are able to do with a system. I'm not trying to blindly defend.

"Dedric Terry" <dterry@keyofd.net> wrote:

>Um... okay. Sounds like you are just defending Apogee for no good reason,

>esp. considering I didn't attack them, so give me a break with the "not

good

>to make assumptions" lecture. For the last time - I posted this so people

>who have a real world interest in working with this kind of gear would know

>what to look out for, and you jump in to defend Apogee's marketing.

>

>If you have experience with real world use as a composer on an Apogee

>Symphony system and think the Logic user misguided in his evaluation, I'm

>sure the Logic forum would be most interested in your input.

>

>It's getting way too difficult to post anything that even hints at the word

>"Apple" here, so I'll take future technical discussions to other forums  
with

>more objectivity and interest in the real world reports rather than

>marketing interpretation debates.

>

>Dedric

>

>

>"James McCloskey" <excelsm@hotmail.com> wrote in message

>news:47c37654\$1@linux...

>>

>> Dedric, I see the truth as the truth. It's good to be educated as to  
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Chris

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> <http://discussions.apple.com/thread.jspp?messageID=6693909#6693909> (should  
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>

> Fwiw,

> Dedric

>

>

--

Chris Ludwig

ADK

[chrisl@adkproaudio.com](mailto:chrisl@adkproaudio.com) <<mailto:chrisl@adkproaudio.com>>

[www.adkproaudio.com](http://www.adkproaudio.com/) <<http://www.adkproaudio.com/>>

(859) 635-5762

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Subject: Re: Apogee with Core audio - low latency breakthrough or marketing hype?

Posted by [Deej \[5\]](#) on Tue, 26 Feb 2008 05:38:00 GMT

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Chris,

Not to get too OT here but my two DAWs are, as you know based on GA-K8Ns Ultra 939's with Opteron 185's. The slave DAW has 2 x HDSP 9652's and is only used for VSTi's and is systemlinked using the full 24 bit path between one of the slave ADAT ports and the Multiface ADAT port. The master DAW has 2 x 13 slot Magmas. One of the Magmas has a Multiface, a MAD1 and AES 32. the other has 4 x UAD-1's and 2 x POCO's. It so stable I'm in shock. I have had these DAWs online, systemlinked and and working without a single glitch for almost a month without powering down.

Not a crash, not even a hiccup. I've never once seen that happen with a Mac.

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Subject: Re: Apogee with Core audio - low latency breakthrough or markeing hype?

Posted by [Deej \[5\]](#) on Tue, 26 Feb 2008 05:39:04 GMT

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Subject: Re: Apogee with Core audio - low latency breakthrough or markeinghype?  
Posted by [Chris Ludwig](#) on Tue, 26 Feb 2008 18:10:34 GMT  
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Hi Deej,  
With your whacked setup I couldn't tell ya. With those old TC POCOs, Magma and UADs with the 4 and 8 cores machines. Personally I would wait for the UAD-2 card to come out. It will stream line you setup sense it projected to have processing power of 3 current UADs.

The only thing preventing you from working at that buffer now are the UAD and TC cards. The way they function and the impact on the PCI buss for them and the Magma prevents that low or lower of a buffer.

Chris

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Subject: Re: Apogee with Core audio - low latency breakthrough or markeing  
Posted by [Dedic Terry](#) on Wed, 27 Feb 2008 01:34:23 GMT

I'm sorry I ever posted this - wrong forum.

Dedric

"LaMont" <jjdpro@gmail.com> wrote in message news:47c4bb50\$1@linux...

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> Thank you Chris for stating what I have been saying for years now.  
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Posted by [LaMontt](#) on Wed, 27 Feb 2008 02:22:24 GMT  
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>www.adkproaudio.com <http://www.adkproaudio.com/>  
>(859) 635-5762

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Subject: Re: Apogee with Core audio - low latency breakthrough or markeing  
Posted by [Aaron Allen](#) on Wed, 27 Feb 2008 03:01:40 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Yo D,

I have to say as a lurker/reader/bystander that I appreciated your post. I find it interesting and appreciated the findings on the current state of native DAW in the real world. Makes me happy I'm not trying to push the envelope with Native, to be honest, and glad I still have Paris around for tracking and mixing, even sans 96k+. If I absolutely gotta have native, I pull up a tascam to dump synths or fire up the Creamware rig. I still feel native has a little ways to go, but seeing what's on the table helps ground me in the reality of the situation, rather than what's been sent to press. Thanks dude. Sorry you felt like an audio post in a (gulp) audio forum brought out the wrath.

AA

"Dedic Terry" <dterry@keyofd.net> wrote in message news:47c4c144\$1@linux...  
> I'm sorry I ever posted this - wrong forum.  
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> Dedic

---

---

Subject: Re: Apogee with Core audio - low latency breakthrough or markeing  
Posted by [excelav](#) on Wed, 27 Feb 2008 05:46:09 GMT  
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---

"Dedic Terry" <dterry@keyofd.net> wrote:  
>I'm sorry I ever posted this - wrong forum.  
>  
>Dedic

>

I know how you feel!

>

>"LaMont" <jjdpro@gmail.com> wrote in message news:47c4bb50\$1@linux...

>>

>> Thank you Chris for stating what I have been saying for years now.

>>

>> All this tech talk :(\$\$\$\$\$\$\$\$) about low latency on native solutions,  
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have

>> gained nothing!! due to that fact that we are all beholdng to MS Vista/XP

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>> Who cares? All, one should want is

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>> A stable running system, that performs the task thats needed.

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>

---

Subject: Re: Apogee with Core audio - low latency breakthrough or markeing  
Posted by [Neil](#) on Wed, 27 Feb 2008 08:58:41 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

FWIW, i found interesting too, Dedic.

And Lamont, the Native Upgrade stream is nowhere near as bad as you make it out to be... for what I have in terms of capabilities in Native-land, it would cost me at LEAST \$20k in Pro-Tools gear & ware to achieve... and that's not even counting plugins, which are unGAWDly expensive for PT due to the TDM licensing fees that developers have to pay to Digi. I've probably got less than 1,500 bucks invested in plugins, and i've got dozens upon dozens of them because there's so much freeware VST development going on - i'm sure i'd be looking at another ten grand, minimum, if I were to try & assemble a comparable TDM plugin arsenal. So there's \$30k for PTHD & plugs

right there. No way have I spent even a quarter of that on every Native rig, plugin, and upgrade chase since I've been doing this stuff!

Neil

"Aaron Allen" <know-spam@not\_here.dude> wrote:

>Yo D,

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>I have to say as a lurker/reader/bystander that I appreciated your post.

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>

---

Subject: Re: Apogee with Core audio - low latency breakthrough or markeing

Posted by [TCB](#) on Wed, 27 Feb 2008 15:57:30 GMT

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---

Glad I still get name checked every now and then ;-)

I still think native is the way to go unless someone is running a big for hire room, and let's face it more of those are shutting down than starting up.



One thing about the RME mixer, it shouldn't be changed at all. It's the most flexible, powerful audio interface mixer I've ever seen. It's incredibly easy to use, just a little tricky to learn. I'll take that over a photorealistic mixer that's less powerful any day.

Then again, I'm a linux geek. Then again, so are the RME guys.

TCB

"LaMont" <jjdpro@gmail.com> wrote:

>  
>Thank you Chris for stating what I have been saying for years now.  
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Subject: Re: Apogee with Core audio - low latency breakthrough or markeing  
Posted by [Deej \[5\]](#) on Wed, 27 Feb 2008 17:25:55 GMT  
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---

So LaMont. A VST wrapper would allow me to use my 4 x UAD-1 cards and 2 x POCO's and I could get 24 AD/DA's along with an additional 50 digital I/O for interfacing my outboard gear and VSTi's .....all for under under \$10K?

Thanks,

Deej

"LaMont" <jjdpro@gmail.com> wrote in message news:47c59281\$1@linux...

>  
> Hey Neil, I'll get you current PT HD2/With Hardware and plugins quote.  
>  
> Also, you do know that with FX xpansion VST to RTAS converter, all your  
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Subject: Re: Apogee with Core audio - low latency breakthrough or markeing  
Posted by [LaMontt](#) on Wed, 27 Feb 2008 17:40:33 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

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Subject: Re: Apogee with Core audio - low latency breakthrough or markeing  
Posted by [Neil](#) on Wed, 27 Feb 2008 18:33:38 GMT  
[View Forum Message](#) <> [Reply to Message](#)

"LaMont" <jjdpro@gmail.com> wrote:

>  
>Hey Neil, I'll get you current PT HD2/With Hardware and plugins quote.

What? Are you repping Pro-Tools on the side now? lol

>Also, you do know that with FX xpansion VST to RTAS converter,  
>all your and my VST plugins show up in ProTools?? So, thatends  
that argument..

Really? And it works properly & everything? Everything's fully-  
featured & all plugin parameters are automatable?

>Lastly, use what You like, but I still say that the Pro Native  
>route is very costly and just as expensive as a DSP based DW  
>rig...

Look, I'm no PT hater anymore - not since HD anyway - I think those HD192 convertors sound pretty damn good, and I've heard a couple of ITB mixes done in HD that I thought sounded just fine. I just don't think \$20k as a starting point for an equivalently-capable system to what I have now is a cost-justifiable expense for me. As I've said before, if I was trying to make my living off this stuff that'd be a different story - i'd definitely be on PTHD... not that you CAN'T make money without it, it's just easier to make money WITH it, methinks... especially when you've got clients asking for it specifically, and when it's easier to take projects started at one studio & complete them at yours if you've got a great mixing environment (or conversely, if you've got a great tracking room, but another place has the "hot" mix room in town, start 'em at your place & the client can mix elsewhere), without format worries, OMF issues, etc. But me with my little facility that generates just a little bit of part-time cash... I can't see that kind of expense being justifiable. That's probably close to what I have invested in EVERYTHING recording-wise, except for instruments.

Neil

---

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Subject: Re: Apogee with Core audio - low latency breakthrough or markeing  
Posted by [LaMontt](#) on Wed, 27 Feb 2008 18:48:13 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

I understand.. :)

"Neil" <OIUOIU@OIU.com> wrote:

>

>"LaMontt" <jjdpro@gmail.com> wrote:

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>>Also, you do know that with FX xpansion VST to RTAS converter,

>>all your and my VST plugins show up in ProTools?? So, thatends

>that argument..

>

>Really? And it works properly & everything? Everything's fully-

>featured & all plugin parameters are automatable?



>  
>>Lastly, use what You like, but I still say that the Pro Native  
>>route is very costly and just as expensive as a DSP based DW  
>>rig...  
>  
>Look, I'm no PT hater anymore - not since HD anyway - I think  
>those HD192 convertors sound pretty damn good, and I've heard a  
>couple of ITB mixes done in HD that I thought sounded just fine.  
>I just don't think \$20k as a starting point for an equivalently-  
>capable system to what I have now is a cost-justifiable expense  
>for me. As I've said before, if I was trying to make my living  
>off this stuff that'd be a different story - i'd definitely be  
>on PTHD... not that you CAN'T make money without it, it's just  
>easier to make money WITH it, methinks... especially when  
>you've got clients asking for it specifically, and when it's  
>easier to take projects started at one studio & complete them  
>at yours if you've got a great mixing environment (or  
>conversely, if you've got a great tracking room, but another  
>place has the "hot" mix room in town, start 'em at your place  
>& the client can mix elsewhere), without format worries, OMF  
>issues, etc. But me with my little facility that generates just  
>a little bit of part-time cash... I can't see that kind of  
>expense being justifiable. That's probably close to what I have  
>invested in EVERYTHING recording-wise, except for instruments.  
>  
>Neil

---

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Subject: Re: Apogee with Core audio - low latency breakthrough or markeing  
Posted by [LaMontt](#) on Wed, 27 Feb 2008 18:56:52 GMT  
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---

Hey DJ,

I don;t know about about 10k for all that I/o, BUT! :)All that under ProTools  
HD or Even Motu's Hardware..But, let stick to PT HD..

I would gurantee you that you 'mad-scientist' daw i.o config under PT HD  
would be simplified to point of pure pleasure. Being that you could:

-Name and save various hardware setups(nothing new) but just more elegant.

-Way better I/O routing than RME's Mixer and Steinbergs i/o routing.

-Even with PT HD9 with 4 apogee adda16, Lynx Aurora 16's..It would be ONE  
(ono) 1 unified ssystem.. And not a hosh-posh ..Now you tell me, How much  
is that worth to you? Then, add up all of that 'Man-Hours' to get your Dream  
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"Mr. Simplicity" <noway@jose.net> wrote:

>So LaMont. A VST wrapper would allow me to use my 4 x UAD-1 cards and 2  
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>POCO's and I could get 24 AD/DA's along with an additional 50 digital I/O

>for interfacing my outboard gear and VSTi's .....all for under under \$10K?

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>Thanks,

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>Deej

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>>>FWIW, i found interesting too, Detric.

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>>>you make it out to be... for what I have in terms of

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>>>Pro-Tools gear & ware to achieve... and that's not even counting

>>>plugins, which are unGAWDly expensive for PT due to the TDM

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>>>probably got less than 1,500 bucks invested in plugins, and

>>>i've got dozens upon dozens of them because there's so much

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Subject: Re: Apogee with Core audio - low latency breakthrough or markeing  
Posted by [Bill L](#) on Wed, 27 Feb 2008 19:50:47 GMT  
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---

Lamont, your point is somewhat prickly, but probably true. My guess is DJ wouldn't give up the hot-rodding for anything. He lives for it.

LaMont wrote:

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Subject: Re: Apogee with Core audio - low latency breakthrough or markeing  
Posted by [LaMontt](#) on Wed, 27 Feb 2008 21:58:39 GMT  
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Ok, my mad scientist friend. Take a look at this and see if this could work for you. :)

<http://www.digidesign.com/index.cfm?navid=83&langid=100& amp;itemid=5100>

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Subject: Re: Apogee with Core audio - low latency breakthrough or markeing  
Posted by [Detric Terry](#) on Thu, 28 Feb 2008 16:33:01 GMT  
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Lamont - fwiw, when I posted this I *\*was\** talking about comparing different *\*native\** systems, and comparing marketing hype to reality so people actually buying and using these systems will know what to expect and what not to expect. PT and hybrid systems had nothing to do with it, other than the fact that Digi is the king of turning marketing hype into sales.

I don't know of anyone scoring and doing sound design for film in ProTools, and that's the market this thread was derived from, not recording and mixing bands.

It really doesn't matter if you think ProTools is the end-all be-all or not, no one knows what the best tool for a job is better than the person doing that work, and using that tool. I wouldn't begin to suggest that Thad use PT for what he can and wants to do in Live. No one told Picasso he needed to buy a paint factory in order to paint a masterpiece.

Detric

"LaMont " <jjdpro@gmail.ocm> wrote in message news:47c6d62c\$1@linux...  
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> Thad, whatever floats your boat. But, that's not what we're talking about  
> hear. Live is a different animal than PTHD.  
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> Yes, pro work can and IS done on Live , Acid,Sonar,Fruity Loops..But, at  
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> Nothing..Only  
> that you chose not to.. Simple.  
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> I'm a Pro who has both DSP (Paris & PTHD2) as well as Native(Nuendo, DP,  
> ProTools M Powered-via Laptop) AND it's all good.  
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> My point was and is: That Native is not necessarily cheap and keeps the  
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> My Neundo Rig is very powerful..down right sweet!! :) But, being bogged  
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>

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Subject: Re: Apogee with Core audio - low latency breakthrough or markeing  
Posted by [LaMontt](#) on Thu, 28 Feb 2008 18:46:27 GMT  
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Hey Dedric, I really thought your info was very informative and added weight to my points about the cost of native. Great info indeed. YOu are right,



people need to no these things instead of going by the marketing hype.

I do know of folks who use of "Hybrid" DP-soft/HD hardware to score . As well as, Logic Soft/HD hardware. Then, too ProTools for Dubbing..

You are right, I stated use what you like. But, stand by my words in saying that most if not all major labels and films projects want the final delivery on Pro Tools. AND, if you r going to work as studio engineer for a : Private, personal, Semi, full-blown facility, you gonna need to know protools , and know it well..

Do I think PT is the be all end all, no. But, It's really good at what does and Provides.

"Dedric Terry" <dterry@keyofd.net> wrote:

>Lamont - fwiw, when I posted this I \*was\* talking about comparing different

>\*native\* systems,

>and comparing marketing hype to reality so people actually buying and using

>these systems

>will know what to expect and what not to expect. PT and hybrid systems had

>nothing to do with it,

>other than the fact that Digi is the king of turning marketing hype into

>sales.

>

>I don't know of anyone scoring and doing sound design for film in ProTools,

>and that's

>the market this thread was derived from, not recording and mixing bands.

>

>It really doesn't matter if you think ProTools is the end-all be-all or not,

>no one knows what the best tool for a job is better than the person doing

>that work, and using that tool. I wouldn't begin to suggest that Thad use

>PT for what he can and wants to do in Live.

>No one told Picasso he needed to buy a paint factory in order to paint a

>masterpiece.

>

>Dedric

>

>"LaMont " <jjdpro@gmail.ocm> wrote in message news:47c6d62c\$1@linux...  
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>> Thad, whatever floats your boat. But, that's not what we're talking about  
>> hear. Live is a different animal than PTHD.  
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>> By you stating that you could purchase HD1 and choose not, Says  
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>>>>another ten grand, minimum, if I were to try & assemble a  
>>>>comparable TDM plugin arsenal. So there's \$30k for PTHD & plugs  
>>>>right there. No way have I spent even a quarter of that on every  
>>>>Native rig, plugin, and upgrade chase since I've been doing this  
>>>>stuff!  
>>>>  
>>>>Neil  
>>>>  
>>>>  
>>>>  
>>>>"Aaron Allen" <know-spam@not\_here.dude> wrote:  
>>>>>Yo D,  
>>>>>  
>>>>>I have to say as a lurker/reader/bystander that I appreciated your  
  
>>>>>post.  
>>>>>I  
>>>>>find it interesting and appreciated the findings on the current state  
>> of  
>>>>>  
>>>>>native DAW in the real world. Makes me happy I'm not trying to push  
the  
>>>>>  
>>>>>envelope with Native, to be honest, and glad I still have Paris around  
>>>>for  
>>>>>  
>>>>>tracking and mixing, even sans 96k+. If I absolutely gotta have native,  
>>>>>I  
>>>>>pull up a tascam to dump synths or fire up the Creamware rig. I still  
>>>feel  
>>>>>  
>>>>>native has a little ways to go, but seeing what's on the table helps  
>> ground  
>>>>>

>>>>>me in the reality of the situation, rather than what's been sent to  
>> press.  
>>>>>Thanks dude. Sorry you felt like an audio post in a (gulp) audio forum  
>>>>  
>>>>>brought out the wrath.  
>>>>>  
>>>>>AA  
>>>>>  
>>>>>"Dedric Terry" <dterry@keyofd.net> wrote in message  
>>>>>news:47c4c144\$1@linux...  
>>>>>> I'm sorry I ever posted this - wrong forum.  
>>>>>>  
>>>>>> Dedric  
>>>>>>  
>>>>>>  
>>>>>  
>>>>  
>>>>  
>>>  
>>  
>  
>

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Posted by [AlexPlasko](#) on Thu, 28 Feb 2008 19:00:18 GMT  
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> easy to use, just a little tricky to learn. I'll take that over a  
> photorealistic  
> mixer that's less powerful any day.  
>  
> Then again, I'm a linux geek. Then again, so are the RME guys.  
>  
> TCB

>  
> "LaMont" <jjdpro@gmail.com> wrote:  
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>>Thank you Chris for stating what I have been saying for years now.  
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>>All this tech talk :(\$\$\$\$\$\$\$\$) about low latency on native solutions,  
> is  
>>very costly AND, I might add, as Thad has said on numerous occasions, have  
>>gained nothing!! due to that fact that we are all beholdng to MS Vista/XP  
>>and OSX..  
>>  
>>On the Nuendo.com website 10 mile post on system performance specs is  
>>sickening!.  
>>Who cares? All, one should want is  
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>>A stable running system, that performs the task thats needed.  
>>  
>>I'm with the get Protools HD(X) and be done with it. There are those on  
> this  
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>>Spent \$\$\$ major money chasing the zero latency Native dream..Only to run  
>>into the win XP/Vista brick wall of doom..  
>>The lie of the 64 bit dream.. Dual core this and that..SHAM!!!  
>>  
>>My Win ME Paris (4 card) rig still is as stable as it ever was.  
>>

>>All in all, it's your money, spend it how you may, but one thing is for  
> sure,  
>>If are working on a major lable recording, it better be delivered in  
>>ProTools..  
>>You want a job working a sudio or media house, you better know Pro Tools..  
>>  
>>So, we can sit hear discussing Native torture test wasting time(IMHO) when  
>>a vialble solution is already on the market that can be had these days for  
>>under 10k..belive it or not.hat yields a very polished sound, very very  
> flexible  
>>i/o routing for hardware owners..super low-latency that allows you to  
>>track  
>>and mixrealtime live sessions..and oh yeah.. Super stable..  
>>  
>>So, just look at the reciepts from the last 5 years on or Native Dream  
>>journey  
>>and add em up. Then, add up all those clients who utter that all familiar  
>>phrase" Do you have Pro Tools"?..  
>>  
>>I guess it comes down to is his this: Are you in the game or are you not?  
>>Simple..  
>>  
>>Chris Ludwig <chrisl@adkproaudio.com> wrote:  
>>>Hi Dedric,  
>>>Apogee is doing nothing that hasn't been done by RME and Lynx for going  
>>  
>>>on 3 years now on PC and now on Intel Macs.  
>>>If I want a proprietary hardware system I'd just buy Pro Tools and be  
>>>done with it.  
>>>Now that RME and Lynx are starting to release PCI-e cards the Symphony  
>  
>>>looks less and less attractive.  
>>>Not really sure what is good about it. Only thing I could see is it  
>>>being the first PCI-e card for the MAC.  
>>>About the only fair comparison would be between and RME Madi card at 96k  
>>  
>>>and see how it compares against the Symphony numbers.  
>>>They both at this point would need to be running Logic 8 on Leopard to  
>  
>>>be accurate.  
>>>  
>>>I like that Apogee doesn't post the test session on the web site for  
>>>users to down load.  
>>>It would be the fair way for people to see what the card can do compared  
>>  
>>>to the card they are using now.  
>>>  
>>>Sorta reminds me of the vague claims Rain Recording made about Vista

>>>with nothing to back it up other than Microsoft and Cakewalk press  
>>>releases.  
>>>  
>>>  
>>>Chris  
>>>  
>>>  
>>>  
>>>  
>>>Dedric Terry wrote:  
>>>> <http://discussions.apple.com/thread.jspa?messageID=6693909#6> 693909  
>>>> (should  
>>  
>>>> take you to the next to last post on that page)  
>>>>  
>>>> Apparently Apogee's numbers are only while tracking. Sounds like they  
>>  
>>>> only posted part of the story with their great low latency figures.  
>>>> It is hard to say if this is the case for everyone though, except for  
>>  
>>>> Apogee's response when the user called, but since I brought it up in  
>  
>>>> the Vista thread, I thought I would pass it along to try and sort  
>>>> through marketing myth and real world facts. I was actually kind of  
>  
>>>> hoping the Apogee Symphony would smoke at low latency with Core audio  
>>  
>>>> and any app, just because it would be cool to have such a  
>>>> breakthrough, but this really just shows that ASIO is pushing the  
>>>> limits of current OSs already, and we haven't really exceeded it yet.  
>>>>  
>>>> The reports on Nuendo performance is quite a bit faster on XP and  
>>>> ASIO2, but it's running fine at low latency on  
>>>> OSX/core audio - just about 20-30% higher (my adjusted  
>>>> estimate) plugin load on the same hardware, same latency: it's really  
>>  
>>>> 76 Nuendo multiband comps at 64 samples on XP/ASIO, vs 45 on OSX/core  
>>  
>>>> audio at 64, which is almost 50% more, but I'm assuming there are  
>>>> other plugins in that benchmark test to compensate for, and vary part  
>>  
>>>> of that loading (I'll have to find out for sure when I have more time)  
>>  
>>>> - same dual quad hardware configs in both cases. I don't know for  
>>>> sure if some of this is Nuendo not being optimized for the lower level  
>>  
>>>> OSX code base (maybe already), or still on Cocoa or whatever - or if  
>



>>>> it is truly a limitation of OSX and core audio. Based on the Logic  
>>>> thread, the latter seems to have a bit more weight than it being a  
>>>> Nuendo-only performance issue.

>>>>

>>>> Fwiw,  
>>>> Detric

>>>>

>>>>

>>>

>>>--

>>>Chris Ludwig

>>>ADK

>>>chrisl@adkproaudio.com <mailto:chrisl@adkproaudio.com>

>>>www.adkproaudio.com <http://www.adkproaudio.com/>

>>>(859) 635-5762

>>

>

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Subject: Re: Apogee with Core audio - low latency breakthrough or markeing  
Posted by [TCB](#) on Thu, 28 Feb 2008 19:34:25 GMT

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And we've been over this LaMont. Yes, marketers exaggerate. Not just in the MI business but in any business. A smart consumer realizes this and has an independent mind. And if you believed the hype about 64 bit integer processors after I explained a dozen times why it was fairly small news, well, you can lead a horse to water but if you can get a bug do dance the achy breaky heart then you're getting somewhere.

As far as tech problems, we've been over that as well. I don't understand why musicians and audio engineers feel exempt from learning the technology they choose. Photographers don't complain they have to learn about optics. Architects realize that if they want to use AutoCAD instead of a protractor, t-sqaure, balsa wood, and glue then they'll have to deal with some computer issues. It always blows my mind that musicians and producers who can explain the minutest issues involving amplifier tubes, microphone capsules, and preamp transistors consider their computers to be such unimportant tools that they are not willing to become as familiar with how they work just like they know the rest of the gear in their studio.

TCB

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Posted by [AlexPlasko](#) on Thu, 28 Feb 2008 19:43:38 GMT

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---

my math was following every upgrade as they were available.including the overpriced macs needed to run it.

someone jumping in today wouldn't see those incremental costs. what kind of "math" are you using?

"LaMont" <jjdpro@gmail.com> wrote in message news:47c70cf7\$1@linux...

>

> Hey ..the RME /Steinberg route is very nice and very Powerful. I think

> that

> you need to redo your math on the 100k digi upgrade.

>

> I went from a audiomedia (still have) to Pro Tools 001(cost 400.00) From

> there, to a Mix Plus..Cost (great deal \$3,800 with 1622 interface)...From

> there..HD2acel..cost \$6,500.00 with -1-192.

>

> I don't see where 100k comes in. Nor do I know of any of my buddies who

> spent

> 100k in upgrading their PT DAWs..

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> "alex plasko" <alex.plasko@snet.net> wrote:

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Everyone I know that kept up with the upgrades and went with full blown PT rigs to support higher track and plugin counts (as many as we get with native) spent way more than the \$10k you listed below, for a commercial studio (not an upgrade from an Audiomedia, or PT001).

e.g. A friend of mine went to Mix Plus way back a few years after it first came out, with ProControl (I believe): total was \$40k, and that was considered a modest PT rig at the time - that followed his O2R, ADATs, multiple consoles, etc.

I don't know if/when he went HD, but that's even more on top. I'm also not sure if the \$40k included any plugins at the time - probably some basic plugins but I'm sure he expanded/added to it down the road.

"LaMont" <jjdpro@gmail.com> wrote in message news:47c70cf7\$1@linux...

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Posted by [LaMontt](#) on Thu, 28 Feb 2008 20:35:19 GMT  
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Posted by [LaMontt](#) on Fri, 29 Feb 2008 01:22:23 GMT  
[View Forum Message](#) <> [Reply to Message](#)

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Subject: Re: Apogee with Core audio - low latency breakthrough or markeing  
Posted by [LaMontt](#) on Fri, 29 Feb 2008 01:24:00 GMT  
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Hey Dedic, I got some sweetheart deals from personal friends who were upgrading, and I got a great deal from our Sweetwater Rep.. Man, they thrown in a slew of plugins on these PT HD upgrades..

"Dedic Terry" <dterry@keyofd.net> wrote:

>Everyone I know that kept up with the upgrades and went with full blown PT

>rigs to support

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Subject: Re: Apogee with Core audio - low latency breakthrough or markeing  
Posted by [LaMontt](#) on Fri, 29 Feb 2008 01:34:20 GMT

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Sorry I didn't see the last part.. Well, yes when add a Pro Control in the mx, that can add up ..I'm just talking about the incremental updates, in-which you don;t have to do....

There are many more studios/ owners who are still on the Mix system than HD..

"Dedric Terry" <dterry@keyofd.net> wrote:

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>rigs to support

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Subject: Re: Apogee with Core audio - low latency breakthrough or markeing  
Posted by [AlexPlasko](#) on Fri, 29 Feb 2008 15:54:08 GMT

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well , DUH! thanks for the info Lamont. Im going out today and getting a pro tools rig! Im convinced ,OK?

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>>>>>> Apogee's response when the user called, but since I brought it up  
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>>>>>> the Vista thread, I thought I would pass it along to try and sort  
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>>>>>> hoping the Apogee Symphony would smoke at low latency with Core  
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Subject: Re: Apogee with Core audio - low latency breakthrough or markeing  
Posted by [LaMontt](#) on Fri, 29 Feb 2008 17:14:25 GMT

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Subject: Re: Apogee with Core audio - low latency breakthrough or markeing  
Posted by [AlexPlasko](#) on Fri, 29 Feb 2008 21:43:23 GMT  
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>>>>>>>>  
>>>>>>>> Apogee's response when the user called, but since I brought it  
> up  
>>> in  
>>>>>>>>  
>>>>>>>> the Vista thread, I thought I would pass it along to try and sort  
>>>>>>>> through marketing myth and real world facts. I was actually kind  
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>>>>>>>>  
>>>>>>>> hoping the Apogee Symphony would smoke at low latency with Core  
>  
>>>>>>>> audio  
>>>>>>>>

>>>>>>>> and any app, just because it would be cool to have such a  
>>>>>>>> breakthrough, but this really just shows that ASIO is pushing the  
>>>>>>>> limits of current OSs already, and we haven't really exceeded it  
>>> yet.  
>>>>>>>>  
>>>>>>>> The reports on Nuendo performance is quite a bit faster on XP and  
>>>>>>>> ASIO2, but it's running fine at low latency on  
>>>>>>>> OSX/core audio - just about 20-30% higher (my adjusted  
>>>>>>>> estimate) plugin load on the same hardware, same latency: it's  
>  
>>>>>>>> really  
>>>>>>>>  
>>>>>>>> 76 Nuendo multiband comps at 64 samples on XP/ASIO, vs 45 on  
>>>>>>>> OSX/core  
>>>>>>>>  
>>>>>>>> audio at 64, which is almost 50% more, but I'm assuming there are  
>>>>>>>> other plugins in that benchmark test to compensate for, and vary  
>>> part  
>>>>>>>>  
>>>>>>>> of that loading (I'll have to find out for sure when I have more  
>>>  
>>>>>>>> time)  
>>>>>>>>  
>>>>>>>> - same dual quad hardware configs in both cases. I don't know  
> for  
>>>>>>>> sure if some of this is Nuendo not being optimized for the lower  
>>>  
>>>>>>>> level  
>>>>>>>>  
>>>>>>>> OSX code base (maybe already), or still on Cocoa or whatever -  
> or  
>>> if  
>>>>>>>>  
>>>>>>>> it is truly a limitation of OSX and core audio. Based on the  
>>>>>>>> Logic  
>>>>>>>> thread, the latter seems to have a bit more weight than it being  
>>> a  
>>>>>>>> Nuendo-only performance issue.  
>>>>>>>>  
>>>>>>>> Fwiw,  
>>>>>>>> Detric  
>>>>>>>>  
>>>>>>>>  
>>>>>>>>  
>>>>>>>>--  
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>>>>>>>>> the Vista thread, I thought I would pass it along to try and  
sort  
>>>>>>>>> through marketing myth and real world facts. I was actually  
kind  
>>>>>>>>> of  
>>>>>>>>>  
>>>>>>>>> hoping the Apogee Symphony would smoke at low latency with Core  
>>  
>>>>>>>>> audio  
>>>>>>>>>  
>>>>>>>>> and any app, just because it would be cool to have such a  
>>>>>>>>> breakthrough, but this really just shows that ASIO is pushing  
the  
>>>>>>>>> limits of current OSs already, and we haven't really exceeded  
it  
>>>>>>>>> yet.  
>>>>>>>>>  
>>>>>>>>> The reports on Nuendo performance is quite a bit faster on XP  
and  
>>>>>>>>> ASIO2, but it's running fine at low latency on  
>>>>>>>>> OSX/core audio - just about 20-30% higher (my adjusted  
>>>>>>>>> estimate) plugin load on the same hardware, same latency: it's  
>>  
>>>>>>>>> really  
>>>>>>>>>  
>>>>>>>>> 76 Nuendo multiband comps at 64 samples on XP/ASIO, vs 45 on  
>>>>>>>>> OSX/core  
>>>>>>>>>



>>  
>  
>

---

Subject: Re: Apogee with Core audio - low latency breakthrough or markeing  
Posted by [LaMontt](#) on Sat, 01 Mar 2008 04:23:33 GMT

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Fisrt off, I apologize for my last post.. second..If you subscribe to Sweerwaters gear 2007 catalogs..you will see on page 126 thru 130 the different PT packages.

For 100k, aka dream package..you get hd3 acel..With(4) io units..a slew of high end mic ppres..high end mics..pair os adam s3as..a pair of jbl lrs..tack mounts storage..a mac pro quad ..montor..and a slw of the best tdm plugins on the market...ahhh for a fall 75k..you get a hd3 acel.base 4 control mixer some base plug..no mac..

"alex plasko" <[alex.plasko@snet.net](mailto:alex.plasko@snet.net)> wrote:

>I actually sent an email to digi requesting price lists since 1994.ill keep

>you posted.I consider it my duty.

>I couldn't find the older lists on their support site.

>unless someone else here has kept copies of that shit , I see no other way

>to know the cost.

>ill keep you posted.

>"Neil" <[OIUOIU@OIU.com](mailto:OIUOIU@OIU.com)> wrote in message news:47c8a083\$1@linux...

>>

>> He's typing in Pro-Tools... that doesn't have spell-check

>> (but you CAN get it in a free VST plugin for Native apps!)

>>

>> :)

>>

>>

>> "alex plasko" <[alex.plasko@snet.net](mailto:alex.plasko@snet.net)> wrote:

>>>whatever. by the way, can you please turn on your spell checking.Its

>>>really

>>

>>>hard reading your posts.

>>>"LaMont" <[jjdpro@gmail.com](mailto:jjdpro@gmail.com)> wrote in message news:47c82f61\$1@linux...

>>>>

>>>> Look, I'm not trying to sell you on Pro Tools, just stating that you

>>>> 100K

>>>> math was off..

>>>>

>>>> "alex plasko" <alex.plasko@snet.net> wrote:  
>>>>>well , DUH! thanks for the info Lamont. Im going out today and getting  
>> a  
>>>> pro  
>>>>>tools rig! Im convinced ,OK?  
>>>>>"LaMont" <jjdpro@gmail.com> wrote in message news:47c7503f\$1@linux...  
>>>>>>  
>>>>>> Hey Alex, thats the beauty of DSP based rigs, you don't have to  
>>>>>> necessarily  
>>>>>> have upgrade to the lastest and greatest Mac..or Pc..  
>>>>>>  
>>>>>> "alex plasko" <alex.plasko@snet.net> wrote:  
>>>>>>>my math was following every upgrade as they were available.including  
>> the  
>>>>>>>  
>>>>>>>>overpriced macs needed to run it.  
>>>>>>>>someone jumping in today wouldn't see those incremental costs. what  
>> kind  
>>>>>>> of  
>>>>>>>>"math" are you using?  
>>>>>>>>"LaMont" <jjdpro@gmail.com> wrote in message news:47c70cf7\$1@linux...  
>>>>>>>>>  
>>>>>>>>> Hey ..the RME /Steinberg route is very nice and very Powerful. I  
  
>>>>>>>> think  
>>>>>>>>>  
>>>>>>>>> that  
>>>>>>>>>> you need to redo your math on the 100k digi upgrade.  
>>>>>>>>>>  
>>>>>>>>>>> I went from a audiomedia (still have) to Pro Tools 001(cost 400.00)  
>>>> From  
>>>>>>>>>>> there, toa Mix Plus..Cost (great deal \$3,800 with 1622  
>>>>>>>>>>> interface)...From  
>>>>>>>>>>> there..HD2acel..cost \$6,500.00 with -1-192.  
>>>>>>>>>>>  
>>>>>>>>>>>> I don't see where 100k comes in. Nor do I know of any of my buddies  
>>>> who  
>>>>>>>>>>>  
>>>>>>>>>>>> spent  
>>>>>>>>>>>>> 100k in upgrading their PT DAWS..  
>>>>>>>>>>>>>  
>>>>>>>>>>>>> "alex plasko" <alex.plasko@snet.net> wrote:  
>>>>>>>>>>>>>>I have a digi nubus soundesigner II card.\$1100)If I followed the  
  
>>>>>>>>>>>>>digi  
>>>>>>>>>>>>>>upgrade train from that point (1994),I would have lost about \$100K  
>> in  
>>>>>>>>>>>>> yet



>>>>>>>  
>>>>>>>more useless obsolete basement clogging shit.I have no regrets in  
>>>>>>>following  
>>>>>>>  
>>>>>>>RME/Steinberg.It works for me.  
>>>>>>>"TCB" <nobody@ishere.com> wrote in message news:47c57a5a\$1@linux...  
>>>>>>>  
>>>>>>> Glad I still get name checked every now and then ;-)  
>>>>>>>  
>>>>>>> I still think native is the way to go unless someone is running  
>> a  
>>> big  
>>>>>>> for  
>>>>>>> hire room, and let's face it more of those are shutting down than  
>>>>>>> starting  
>>>>>>> up.  
>>>>>>>  
>>>>>>> One thing about the RME mixer, it shouldn't be changed at all.

>>>>>>> It's  
>>>>> the  
>>>>>>>  
>>>>>>> most  
>>>>>>> flexible, powerful audio interface mixer I've ever seen. It's  
>>>>>>> incredibly  
>>>>>>> easy to use, just a little tricky to learn. I'll take that over  
>> a  
>>>>>>> photorealistic  
>>>>>>> mixer that's less powerful any day.  
>>>>>>>  
>>>>>>> Then again, I'm a linux geek. Then again, so are the RME guys.  
>>>>>>>  
>>>>>>> TCB  
>>>>>>>  
>>>>>>> "LaMont" <jjdpro@gmail.com> wrote:  
>>>>>>>>  
>>>>>>>>Thank you Chris for stating what I have been saying for years  
now.  
>>>>>>>>  
>>>>>>>>All this tech talk :(\$\$\$\$\$\$\$\$) about low latency on native  
>>>>>>>>solutions,  
>>>>>>>> is  
>>>>>>>>very costly AND, I might add, as Thad has said on numerous  
>>>>>>>>ocassions,  
>>>>>>>> have  
>>>>>>>>gained nothing!! due to that fact that we are all beholding to  
MS  
>>>>>>>>Vista/XP

>>>>>>>>>>and OSX..  
>>>>>>>>>>  
>>>>>>>>>>On the Nuendo.com website 10 mile post on system performance specs  
>>>> is  
>>>>>>>>>>  
>>>>>>>>>>sickening!.  
>>>>>>>>>>Who cares? All, one should want is  
>>>>>>>>>>  
>>>>>>>>>>A stable running system, that performs the task thats needed.  
>>>>>>>>>>  
>>>>>>>>>>I'm with the get Protools HD(X) and be done with it. There are  
  
>>>>>>>>>>those  
>>>>>>>>>> on  
>>>>>>>>>> this  
>>>>>>>>>>and other sites how have sunk major\$\$\$\$ trying to "perice-Mill\_  
>> a  
>>>>>>>>>>working  
>>>>>>>>>>DAW hat outperforms ProTools HD. That's cool, but I would these  
>>  
>>>>>>>>>>folks  
>>>>>>>>>> have  
>>>>>>>>>>spent "More" money than just buying a super hot-rod ProTools HD6..  
>>>>>>>>>>  
>>>>>>>>>>Note: Out 2 HD rigs on G5's also run Nuendo(Via Digis Asia  
>>>>>>>>>>drivers)..Runs  
>>>>>>>>>>great, and is as stable as ever. I can mix a 70 track project  
with  
>>>>  
>>>>>>>>>>alot  
>>>>>>>>>> of  
>>>>>>>>>>plugins on that baby. So, Getting a ProTools HD rig is not 'So  
>>>>>>>>>>Closed"  
>>>>>>>>>> as  
>>>>>>>>>>some here believes.  
>>>>>>>>>>  
>>>>>>>>>>Back to the subject:  
>>>>>>>>>>If you were to do a search on Gearsutz on the symphony, youu'd  
>> see  
>>>>>>>>>> that  
>>>>>>>>>>I slammed that card saying that "for a 1k or even 700 dollars,  
  
>>>>>>>>>>"What  
>>>>>>>>>> am  
>>>>>>>>>> I  
>>>>>>>>>>getting".. No DSP, nothing but a glorified half baked mixer that  
>>>>>>>>>>allows  
>>>>>>>>>> you

>>>>>>>>>to play itunes .. Not impressed.  
>>>>>>>>>  
>>>>>>>>>While we're onthe subject, I think RME's total mix should be  
>>>>>>>>>simplified  
>>>>>>>>> like  
>>>>>>>>>Motu's MkIII DSP cue mixer app. Simple, yet very powerful.  
>>>>>>>>>  
>>>>>>>>>Now look at all of us-you who have stayed on the PC/Mac upgrade  
>>>>>>>>>bandwagon.  
>>>>>>>>>Spent \$\$\$ major money chasing the zero latency Native dream..Only  
>>>> to  
>>>>> run  
>>>>>>>>>into the win XP/Vista brick wall of doom..  
>>>>>>>>>The lie of the 64 bit dream.. Dual core this and that..SHAM!!!  
>>>>>>>>>  
>>>>>>>>>My Win ME Paris (4 card) rig still is as stable as it ever was.  
>>>>>>>>>  
>>>>>>>>>All in all, it's your money, spend it how you may, but one thing  
>> is  
>>>>> for  
>>>>>>>>> sure,  
>>>>>>>>>If are working on a major lable recording, it better be delivered  
>>>> in  
>>>>>>>>>ProTools..  
>>>>>>>>>You want a job working a sudio or media house, you better know  
Pro  
>>>>>>>>>Tools..  
>>>>>>>>>  
>>>>>>>>>So, we can sit hear discussing Native torture test wasting  
>>>>>>>>>time(IMHO)  
>>>>>>>>> when  
>>>>>>>>>a vialble solution is already on the market that can be had these  
>>>> days  
>>>>>>>>> for  
>>>>>>>>>under 10k..belive it or not.hat yields a very polished sound,  
very  
>>>>  
>>>>>>>>>very  
>>>>>>>>> flexible  
>>>>>>>>>i/o routing for hardware owners..super low-latency that allows  
you  
>>>> to  
>>>>>>>>>  
>>>>>>>>>track  
>>>>>>>>>and mixrealtime live sessions..and oh yeah.. Super stable..  
>>>>>>>>>  
>>>>>>>>>So, just look at the reciepts from the last 5 years on or Native  
>>

>>>>>>>>>Dream  
>>>>>>>>>  
>>>>>>>>>journey  
>>>>>>>>>and add em up. Then, add up all those clients who utter that all  
>>>>>>>>>familiar  
>>>>>>>>>phrase" Do you have Pro Tools"?..  
>>>>>>>>>  
>>>>>>>>>I guess it comes down to is his this: Are you in the game or are  
>> you  
>>>>>>>>>  
>>>>>>>>>not?  
>>>>>>>>>Simple..  
>>>>>>>>>  
>>>>>>>>>Chris Ludwig <chrisl@adkproaudio.com> wrote:  
>>>>>>>>>Hi Dedic,  
>>>>>>>>>Apogee is doing nothing that hasn't been done by RME and Lynx  
for  
>>>>>>>>>  
>>>>>>>>>going  
>>>>>>>>>  
>>>>>>>>>on 3 years now on PC and now on Intel Macs.  
>>>>>>>>>If I want a proprietary hardware system I'd just buy Pro Tools  
>> and  
>>>>>>>>> be  
>>>>>>>>>done with it.  
>>>>>>>>>Now that RME and Lynx are starting to release PCI-e cards the  
>>>>>>>>>Symphony  
>>>>>>>>>  
>>>>>>>>>looks less and less attractive.  
>>>>>>>>>Not really sure what is good about it. Only thing I could see  
is  
>>>>>>>>> it  
>>>>>>>>>being the first PCI-e card for the MAC.  
>>>>>>>>>About the only fair comparison would be between and RME Madi  
card  
>>>>>>>>> at  
>>>>>>>>> 96k  
>>>>>>>>>  
>>>>>>>>>and see how it compares against the Symphony numbers.  
>>>>>>>>>They both at this point would need to be running Logic 8 on  
>>>>>>>>>Leopard  
>>>>>>>>> to  
>>>>>>>>>  
>>>>>>>>>be accurate.  
>>>>>>>>>  
>>>>>>>>>I like that Apogee doesn't post the test session on the web site  
>>>>>>>>> for  
>>>>>>>>>users to down load.





