

---

Subject: Big Ben and DAC1

Posted by [Wayne Carson](#) on Wed, 11 Jul 2007 18:50:56 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

ing you from spending too much money. Just

>compare the cost of a TDM plugin to a native version - same plugin - Waves,  
>UAD, etc. Then add not only the cost of an Accel card, I/O, but also the  
>computer, peripherals, conversion add ons that aren't included in PT, etc.

>

>When doing price comparisons I've never spec'd a PT rig under about \$12k  
>that equaled what I do with my \$1700 Core 2, RME interfaces and Nuendo.

>

>If you are tracking 40+ live tracks, then yes, native's latency may become  
a

>disadvantage depending on what you need to monitor. A PT rig will give  
you

>near zero latency monitoring, but much the same can be done with RME  
>totalmix, Cuemix etc, though not as elegantly for sure.

>

>However, for production, scoring, editing, sound design, and many mixing  
>scenarios, etc - it's hard to justify the extra cost for PT HD per plugin,  
>or per track. It is significantly higher than native, easily.

>

>Btw - you should check out the track count mix Brian posted on the Nuendo  
>forum recently

>( [http://forum.nuendo.com/phpbb2/viewtopic.php?t=13740&pos tdays=0&postorder=a](http://forum.nuendo.com/phpbb2/viewtopic.php?t=13740&pos tdays=0&postorder=a sc&start=300)  
>sc&start=300).

>

>I really doubt you could come close to matching it with PTHD for the cost.

>

>Regards,

>Dedric

>

>On 9/7/07 4:59 PM, in article 46e1d7ca\$1@linux, "LaMont"

><jjdpro@ameritech.net> wrote:

>

>>

>> Good points Thad,

>>

>> I guess the point of view(s)from the so called "High-End" is that we've  
been

>> sold some hardware updates with the promise of vastly superior performance  
>> results.

>>

>> We've been told we just wait until we get an 64 bit OS to go along with  
yur

>> new 64 bit cpu and those new video cards. Then , you guys will have vastly  
>> superior performance greater than TDM.

>>  
>> Well, again, we've been dupped, hood winked.. Bamboozeled :)  
>>  
>> Truth is : The average Native Power DAW user has spent the equivalent to  
an  
>> Pro Tools HD setup. AND, the funny thing is, this kind of user will keep  
>> on c

---

---

Subject: Re: Big Ben and DAC1  
Posted by [Gantt Kushner](#) on Wed, 11 Jul 2007 19:09:47 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

00.00 bucks or less..instant  
>> DAW..  
>>  
>> Another source of frustration from the so called high-end, is again the  
hype  
>> around so called hardware devices that's supposed to free up cpu resources.ie.  
>> UAD.. To this day I have purchased a single UAD Card due to the fact that  
it  
>> does not free up any resources , but rather adds overhead. Read: Big  
Dongle.  
>> As well as the Tc-powercore..  
>>  
>> God Bless Steigberg Cakewalk ,& Samplitude for re-writing their code  
from  
>> scratch to take advantage of the Win 2000/XP platform. With their work,  
>> native DAW work would still be in the slow, third world midi-based land  
of  
>> Emagic and MOTU..  
>>  
>> So, what do we do..Do we continue to invest in Native rigs like BrianT(4-dual  
>> core ) Opteron(Do the Math).. Scary.. Now, do you realize that a Pro  
Tools  
>> HD 1accel cost under 5k..Another 16 hundred for i/o..Boom your into no  
excuse  
>> land. HD2 accel..street with 192 I/O around \$9600.00.. 128 tracks..with  
>> ridiculous amount of plugin power..End of story..  
>>  
>> Oh yeah. You can run the above protool rigs on an G4-500-700,800.?????  
>>  
>>  
>> "TCB" <nobody@ishere.com> wrote:  
>>>  
>>> Well, LaMont, I'll go back to my tried and true response. Native users  
really  
>>> want the power of [Pro Tools HD/SSL 9k/fill in blank] natively. Well,

I  
>> really  
>>> want to bang Scarlett Johansson but all the wanting it in the world won't  
>>> make it so.  
>>>  
>>> Don't take this too personally but I get a little sick of the 'power  
users'  
>>> simultaneously turning their noses up at the 'bedroom studio' market  
segment  
>>> while at the same time wanting everything in native land to be cheap,  
super  
>>> powerful, and easy to use. If the crap that us 'bedroom' guys use can't  
>> get  
>>> it done, well since you're so power user go off and spend a few million  
>> on  
>>> a Neve desk and a boatload of fancy hardware. Good on ya. It also hacks  
>> me  
>>> off that the 'bedroom studio' computer geeks like me spent nearly a decade  
>>> getting our noses bloody and doing the ditch digging to help get nativelyland  
>>> working only to be told that we don't know what the hell we're talking  
about.  
>>>  
>>>  
>>> Just sayin'  
>>>  
>>> TCB  
>>>  
>>> "LaMont" <jjdpro@gmail.com> wrote:  
>>>>  
>>>> Thad, you are talkign about 2 different market segments. The 'Bedroom'  
>> type  
>>>> who 48 tracks i

---

---

Subject: Re: Big Ben and DAC1  
Posted by [BradLyons](#) on Wed, 11 Jul 2007 20:43:26 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

>>> I really doubt you could come close to matching it with PTHD for the  
cost.  
>>>  
>>> Regards,  
>>> Dedric  
>>>  
>>> On 9/7/07 4:59 PM, in article 46e1d7ca\$1@linux, "LaMont"  
>>> <jjdpro@ameritech.net> wrote:  
>>>

>>>>  
 >>>> Good points Thad,  
 >>>>  
 >>>> I guess the point of view(s) from the so called "High-End" is that we've  
 >> been  
 >>>> sold some hardware updates with the promise of vastly superior performance  
 >>>> results.  
 >>>>  
 >>>> We've been told we just wait until we get an 64 bit OS to go along with  
 >> yur  
 >>>> new 64 bit cpu and those new video cards. Then , you guys will have  
 vastly  
 >>>> superior performance greater than TDM.  
 >>>>  
 >>>> Well, again, we've been dupped, hood winked.. Bamboozeled :)  
 >>>>  
 >>>> Truth is : The average Native Power DAW user has spent the equivalent  
 to  
 >> an  
 >>>> Pro Tools HD setup. AND, the funny thing is, this kind of user will  
 keep  
 >>>> on chasing that elusive "Native" faster Than Pro Tools Rig" not realizing  
 >>>> that he or she has spent "WAY" more say over 15k in a native solution.  
 >>>>  
 >>>> That's the frustration: And as James M has stated on many occasions,  
 >>>> they(DAW  
 >>>> manufacturing companies) only really care about is the Bed Room user.  
 >> with  
 >>>> products 8 & 2 channels channels at a time with chessy at best on board  
 >>>> pre-amps.  
 >>>>  
 >>>> Suprisingly: The Computer makers (DELL, Apple, HP, Gateway, etc) have  
 >> been  
 >>>> great to our community. Today we can purchase a very fast dual-core  
 >>>> intel/AMD  
 >>>> for \$500.00 bucks...then add a nother drive \$100.00 bucks or less..instant  
 >>>> DAW..  
 >>>>  
 >>>> Another source of frustration from the so called high-end, is again the  
 >> hype  
 >>>> around so called hardware devices that's supposed to free up cpu  
 >>>> resources. ie.  
 >>>> UAD.. To this day I have purchased a single UAD Card due to the fact that  
 >> it  
 >>>> does not free up any resources , but rather adds overhead. Read: Big  
 >> Dongle.  
 >>>> As well as the Tc-powercore..  
 >>>>

>>>> God Bless Steigberg Cakewalk ,& Samplitude for re-writting their code  
>> from  
>>>> scratch to take advantage of the Win 2000/XP platform. With their wrok,  
>>>> native DAW work would still be in the slow, third world midi-based land  
>> of  
>>>> Emagic and MOTu..  
>>>>  
>>>> So, whatdo we do..Do we continue to invest in Native rigs like Briant(4-dual  
>>>> core ) Opterons(Do the Math).. Scary.. Now, do you realize that a Pro  
>> Tools  
>>>> HD 1accel cost under 5k..Another 16 hundred for i/o..Boom your into  
no  
>> excuse  
>>>> land. HD2 accel..street with 192 I/O around \$9600.00.. 128 tracks..with  
>>>> rediculous amount of plugin power..End of story..  
>>>>  
>>>> Oh yeah. You can run the above protool rigs on an G4-500-700,800.?????  
>>>>  
>>>>  
>>>> "TCB" <nobody@ishere.

---

---

Subject: Re: Big Ben and DAC1  
Posted by [Bill L](#) on Thu, 12 Jul 2007 02:41:54 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

ore)  
--

Martin Harrington  
Lend An Ear Sound  
Sydney, Australia  
0414 913 247That;s what I'm running LaMont.  
Nuendo 3 and PT M-Powered 7.3.1 with a 400 GB System drive and 2 400 Gb  
USB/Fire wire drives for data, 1 for audio & 1 for Video--

Martin Harrington  
Lend An Ear Sound  
Sydney, Australia  
0414 913 247If I bought one of these, I would need it to do the following:

Provide me 24 AD/DA converters for tracking and interfacing outboard gear at  
mixdown while allowing the summing of ADAT inputs from my 3 x RME HDSP  
9652's plus an additional 8 x stereo AES I/O for interfacing my digital  
outboard gear and Mytek stereo AD/DA's  
.....so I would need simultaneous access at mixdown to:

24 analog I/O

48 ADAT I/O (I really would only need the ADAT inputs for input streaming to sum in the DM2000.

8 x AES I/O

80 total I/O

Is it possible to configure a DM 2000 like this? Do I even need the RME cards...IOW....can the DM2000 function as an audio interface like the Tascam DM4800 does?

I'm seriously entertaining the idea of getting a large digital mixer. If I had something like the DM2000, I could lose all sorts of stuff, like my Furman HDS-16 system, a digital patchbay, a Houston controller, a Multiface PCI system, two RME ADI8-DS units and I could also sacrifice a few outboard preamps if the DM2000's pres are as good as I hear and the AD/DA converters are good as well.

How would I spec something like this out?

Dave????.....anyone???

Thanks,

DeejHi DJ,

DJ wrote:

> OK.....so Vista sucks right now.

>

Yes

> My question is, I guess, is there a platform right now that will allow me to

> run my 4 x UAD-1 cards and 3 x RME cards on a dual socket quad core system

> with more than 2G of RAM?

>

No. You can sort of on a MAC but will be way more expensive. Nothing to do with it being a Mac either. Your talking about buying all new PCI-e versions of all your hardware and then buying a new PCI-e to PCI-e expansion chassis to put the stuff in. I have yet to see any of the SBS or Magma PCI to PCI-e chassis work reliably. The best PCI-e to PCI expansion chassis I've used is by Cyclone.

[http://www.cyclone.com/products/pci\\_express\\_expansion\\_systems.php](http://www.cyclone.com/products/pci_express_expansion_systems.php)

> Steinberg doesn't really have their apps optimized for 64 bit or dual socket

> quad core CPU's on windows or OSX, right?

>

They work fine on up to 4 CPU. past that they tend to scale weird. The only program I've seen scale well to 8 cores is Reaper. On a MAC programs scale no better or worse than on PC. As long as all the plugins

---

---

Subject: Re: Big Ben and DAC1  
Posted by [DJ](#) on Thu, 12 Jul 2007 03:59:22 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

audio.com>

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

(859) 635-5762Hi Lamont,

The vast majority of people that make a living using Nuendo, Cubase or another app for that matter do not upgrade their systems that often.

The vast majority of people who waste bandwidth on Steinies, Cakewalk's and even DUC are at best enthusiasts on par with DIY gamer kids.

But thats mainly the companies fault for not managing their forums better.

Chris

LaMont wrote:

> Hey Man,

> look, ask those guys on Nuendo.com how they spent on their Native PC rigs,

> you'd be shocked.. Plus, and I'm speaking of myself as well..As soon as AMD

> or Intel introduces another new whiz bang chip, say 8 core or 16 core processors,

> we jump and rebuild our etire systems.. Yes, at first it SEEMS not that expensive...But,

> If really honest and do the math from the time you Native...You'd be shocked

> at you , Me and others have spent with trying to reach that Native Nirvana..

>

> In the time I started using Nuendo (2002), I have upgraded 4 times.

> The PC DAW builders including myself, was happy as well the music store outlets,

> and Like James M states the Manufacturers who know they have the elusive

> bait with the Native user market..

>

> Let's not even talk about lost productivity with reiventing your Pc every

> 2 years..Chasing and waiting on DAW maufactuers to Catch up with the new

> hardware offerings.. This is the very scenario that prompted me to start

> this thread..

>

> we just spec'ed out a new PT HD 3 for another room at the studio..Sweetwater

> rep go t back with us with a price of 25K with a slew of top of the line

> plugs. But, just for discussion sake, I personally don;t need a PT 3HD, a

> HD2accel wol dmore than do..128 tracks, really flexible mixer and routing..nero

> zero latency for say with I/O 14-15k...And this can run on a 500 pc an or

> old mac ..

>

> I'm not saying that PT is the bell end all, but rather just making point

> as to how much is the real TCO -Total Cost Of Ownership of staying with  
> high-end Native.  
>  
>  
> It's big bucks for them..So, like the commercial states: You can pay me now,  
> Or you can Pay me later..  
>  
>  
>  
> "Neil" <OIUOIU@OIU.com> wrote:  
>  
>> "LaMont" <jjdpro@gmail.com> wrote:  
>>  
>>> I guarantee you the Native is way more expensive in the long run, than  
>>>  
> a  
>  
>>> Pro Tools HD 3Acell rig..  
>>>  
>> Well, that's just bullshit Lamont, because I can guarantee you  
>> - whether you choose to believe it or not - that I've not spent  
>> \$20k-\$25k on Native-related upgrades, hardware reconfigs, etc  
>> since HD3 came out. And my shit is competitive, if not better  
>> than what can be cranked out on an HD system - you've heard it  
>> yourself and said as much.  
>> Frankly, I don't even see how you could get CLOSE to t

---

---

Subject: Re: Big Ben and DAC1  
Posted by [Wayne Carson](#) on Thu, 12 Jul 2007 07:21:47 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

. If you can't tell, I want one of these guys for the TV  
> station very badly.  
>  
>  
> Larry Upton  
> KPBS TV/FM  
> San Diego

Thanks Larry. Just in case you're in the market right now.....

<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=140154099899&indexURL=6&photoDisplayType=2#ebayphotohosting>

;o)Should read "Chris Ludwig"....sorry Chris.--

Martin Harrington



Lend An Ear Sound

Sydney, Australia

0414 913 247"DJ" <animix \_ at \_ animas \_ dot \_ net> wrote in message  
news:46e2f0f8@linux...

>I just tried Voxengo Elephant on one of my stereo bounces. It didn't do  
>anything to it but make it louder.....no skewing of the EQ where the VOX  
>bites your head off, the LF pops your drivers against the far wall of the CR  
>and the HF didn't remind me of a room full of shieking eels.

>

> Credit card has been implemented.

>

> ;o)

>

Holy\*\*\*\*!!!..this thing is quite amazing when chained in series after the  
UAD-1 Precision Limiter.

WOW!! Even acoustic based material sounds very dynamic. this is sick. I  
swore I'd never give in to the loudness wars because it always scooter\*\*\*\*ed  
the sound, but Elephant doesn't do that.This is a multi-part message in MIME format.

-----=\_NextPart\_000\_00A1\_01C7F288.52C3B4A0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

A MADI system doesn't have enough I/O for my needs but it's a real PITA =  
tracking using6 separate RME cards on two different computers because =  
the drivers do not allow the cards to sum to one card. I've been racking =  
my brain trying to figure out a way to get the I/O I need here to sum =  
into a single pair of outputs by physically routing them.

Computer #1 (slave system)

RME HDSP 9632:

ADAT I/O > Frontier Apache I/O 1 (Sending VSTi audio to master DAW)

HDSP 9632 Spdif out > RME Multiface Spdif in

RME Multiface=20

ADAT I/O > Frontier Apache I/O 2 (Sending VSTi audio to master DAW )

Multiface Spdif out > RME HDSP 9652 Spdif in on master DAW

Computer #2 (Master system)

RME HDSP 9652 #1

ADAT I/O 1 > #1 RME ADI8-DS Main

ADAT I/O 2 > #1 RME ADI8-DS Aux

ADAT I/O 3> ADI4-DD (connected to AES I/O of Quantec Yardstick, Lexicon =

PCM-91, Roland R-880 and Sony V-77)  
RME HDSP 9652 #1 Spdif out > RME HDSP 9652 #2 Spdif in

RME HDSP 9652 #2  
ADAT I/O 1 > #2 RME ADI8-DS Main  
ADAT I/O 2 > #2 RME ADI8-DS-Aux  
ADAT I/O 3 > Frontier Apache I/O 3 (receiving VSTi audio from slave DAW)  
RME HDSP 9652 #2 Spdif out > RME HDSP 9652 #3 Spdif in

RME HDSP 9652 #3  
ADAT I/O 1 > RME ADI8-DD Main (connected to AES of Mytek Stereo AD/DA, =  
POD Pro XT, TC D-2, DAT machine=20  
ADAT I/O 2 > RME ADI8-DD Aux       "               "               "  
"               "               "  
ADAT I/O 3 > Frontier Apache I/O 4 (receiving VSTi audio from slave DAW)  
RME HDSP 9652 #3 Spdif out > Benchmark DAC-1

This way I would have 16 channels of ADAT streaming from the slave =  
(sampler) to the Master DAW patched through the Apache and other digital =  
devices I have here would be patched into the Apache points 5-12 and =  
could then be interfaced with either DAW as needed for utility purposes.

This would hopefully be a workaround of the "separate card" limitation =  
in Totalmix and allow me to route the various channels of each card to =  
it's Spdif out and then cascade the spdif outputs to the spdif inputs of =  
each successive card with them all cumulating in card #3 of the Master =  
DAW.

I "think" this should work as long as the all cards are properly clocked =  
and the master and slave DAWs are set to the same buffers and synced up

---

Subject: Re: Big Ben and DAC1  
Posted by [Wayne Carson](#) on Thu, 12 Jul 2007 07:30:56 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

=  
using Systemlink.

Anyone have any thoughts on this before I start tearing my current =  
routing matrix apart?

Thanks,

Deej

-----=\_NextPart\_000\_00A1\_01C7F288.52C3B4A0

Content-Type: text/html;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<HTML><HEAD>
<META http-equiv=3DContent-Type content=3D"text/html; =
charset=3Diso-8859-1">
<META content=3D"MSHTML 6.00.6000.16525" name=3DGENERATOR>
<STYLE></STYLE>
</HEAD>
<BODY>
<DIV><FONT face=3DArial size=3D2>A MADI system doesn't have enough I/O =
for my needs=20
but it's a real PITA tracking using6 separate RME cards on two different =

computers because the drivers do not allow the cards to sum to one card. =
I've=20
been racking my brain trying to figure out a way to get the I/O I need =
here to=20
sum into a single pair of outputs by physically routing =
them.</FONT></DIV>
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>
<DIV><FONT face=3DArial size=3D2>Computer #1 (slave system)</FONT></DIV>
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>
<DIV><FONT face=3DArial size=3D2>RME HDSP 9632:</FONT></DIV>
<DIV><FONT face=3DArial size=3D2>ADAT I/O &gt; Frontier Apache I/O 1 =
(Sending VSTi=20
audio to&nbsp;&nbsp;&nbsp;master&nbsp;&nbsp;&nbsp;DAW)</FONT></DIV>
<DIV><FONT face=3DArial size=3D2><STRONG>HDSP 9632 Spdif out &gt; RME =
Multiface=20
Spdif in</STRONG></FONT></DIV>
<DIV><FONT face=3DArial size=3D2><STRONG></STRONG></FONT>&nbsp;</DIV>
<DIV><FONT face=3DArial size=3D2>RME Multiface </FONT></DIV>
<DIV><FONT face=3DArial size=3D2>ADAT I/O &gt; Frontier Apache I/O 2 =
(Sending VSTi=20
audio to master DAW&nbsp;&nbsp;&nbsp;)</FONT></DIV>
<DIV><FONT face=3DArial size=3D2><STRONG>Multiface Spdif out &gt; RME =
HDSP 9652=20
Spdif in on master DAW</STRONG></FONT></DIV>
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>
<DIV><FONT face=3DArial size=3D2>Computer #2 (Master =
system)</FONT></DIV>
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>
<DIV><FONT face=3DArial size=3D2>RME HDSP 9652 #1</FONT></DIV>
<DIV><FONT face=3DArial size=3D2>ADAT I/O 1 &gt; #1 RME ADI8-DS =
Main</FONT></DIV>
<DIV><FONT face=3DArial size=3D2>ADAT I/O 2 &gt;&nbsp;&nbsp;&nbsp;#1 RME ADI8-DS=20
```



DAC-1</STRONG></FONT></DIV>  
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT face=3DArial size=3D2>This way I would have 16 channels of =  
ADAT streaming=20  
from the slave (sampler) to the Master DAW patched through the Apache =  
and other=20  
digital devices I have here would be patched into the Apache points 5-12 =  
and=20  
could then be interfaced with either DAW as needed for utility=20  
purposes.</FONT></DIV>  
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT face=3DArial size=3D2>This would hopefully be a workaround of =  
the=20  
"separate card" limitation in Totalmix and allow me to route the various =  
channels of each card to it's Spdif out and then cascade the spdif =  
outputs to=20  
the spdif inputs of each successive card with&nbsp;</DIV></DIV>them all cumulating =  
in card=20  
#3 of the Master DAW.</FONT></DIV>  
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT face=3DArial size=3D2>I "think" this should work as long as =  
the all cards=20  
are properly clocked and the master and slave DAWs are set to the same =  
buffers=20  
and synced up using Systemlink.</FONT></DIV>  
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT face=3DArial size=3D2>Anyone have any thoughts on this before =  
I start=20  
tearing my current routing matrix apart?</FONT></DIV>  
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT face=3DArial size=3D2>Thanks,</FONT></DIV>  
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT face=3DArial size=3D2>Deej</FONT></DIV>  
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV></BODY></HTML>

-----=\_NextPart\_000\_00A1\_01C7F288.52C3B4A0--This is a multi-part message in MIME format.

-----=\_NextPart\_000\_00AC\_01C7F288.774A71B0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

sorry.....I meant 5 RME cards

"DJ" <animix \_ at \_ animas \_ dot \_ net> wrote in message =  
news:46e3aebd@linux...

A MADI system doesn't have enough I/O for my needs but it's a real =

PITA tracking using 6 separate RME cards on two different computers =  
because the drivers do not allow the cards to sum to one card. I've been =  
racking my brain trying to figure out a way to get the I/O I need here =  
to sum into a single pair of outputs by physically routing them.

Computer #1 (slave system)

RME HDSP 9632:

ADAT I/O > Frontier Apache I/O 1 (Sending VSTi audio to master DAW)

HDSP 9632 Spdif out > RME Multiface Spdif in

RME Multiface=20

ADAT I/O > Frontier Apache I/O 2 (Sending VSTi audio to master DAW )

Multiface Spdif out > RME HDSP 9652 Spdif in on master DAW

Computer #2 (Master system)

RME HDSP 9652 #1

ADAT I/O 1 > #1 RME ADI8-DS Main

ADAT I/O 2 > #1 RME ADI8-DS Aux

ADAT I/O 3 > ADI4-DD (connected to AES I/O of Quantec Yardstick, =  
Lexicon PCM-91, Roland R-880 and Sony V-77)

RME HDSP 9652 #1 Spdif out > RME HDSP 9652 #2 Spdif in

RME HDSP 9652 #2

ADAT I/O 1 > #2 RME ADI8-DS Main

ADAT I/O 2 > #2 RME ADI8-DS-Aux

---

Subject: Re: Big Ben and DAC1

Posted by [BradLyons](#) on Thu, 12 Jul 2007 12:49:08 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

9652 #2

ADAT I/O 1 > #2 RME ADI8-DS Main

ADAT I/O 2 > #2 RME ADI8-DS-Aux

ADAT I/O 3 > Frontier Apache I/O 3 (receiving VSTi audio from slave =  
DAW)

RME HDSP 9652 #2 Spdif out > RME HDSP 9652 #3 Spdif in

RME HDSP 9652 #3

ADAT I/O 1 > RME ADI8-DD Main (connected to AES of Mytek Stereo =  
AD/DA, POD Pro XT, TC D-2, DAT machine=20

ADAT I/O 2 > RME ADI8-DD Aux       "               "               "  
"               "               "

ADAT I/O 3 > Frontier Apache I/O 4 (receiving VSTi audio from slave =  
DAW)

RME HDSP 9652 #3 Spdif out > Benchmark DAC-1

This way I would have 16 channels of ADAT streaming from the slave = (sampler) to the Master DAW patched through the Apache and other digital = devices I have here would be patched into the Apache points 5-12 and = could then be interfaced with either DAW as needed for utility purposes.

This would hopefully be a workaround of the "separate card" = limitation in Totalmix and allow me to route the various channels of = each card to it's Spdif out and then cascade the spdif outputs to the = spdif inputs of each successive card with them all cumulating in card #3 = of the Master DAW.

I "think" this should work as long as the all cards are properly = clocked and the master and slave DAWs are set to the same buffers and = synced up using Systemlink.

Anyone have any thoughts on this before I start tearing my current = routing matrix apart?

Thanks,

Deej

-----=\_NextPart\_000\_00BF\_01C7F28B.55D0C630  
Content-Type: text/html;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<HTML><HEAD>
<META http-equiv=3DContent-Type content=3D"text/html; =
charset=3Diso-8859-1">
<META content=3D"MSHTML 6.00.6000.16525" name=3DGENERATOR>
<STYLE></STYLE>
</HEAD>
<BODY bgColor=3D#ffffff>
<DIV><FONT face=3DArial size=3D2>Oy!!!...I'm braindead here. If this =
works, I won't=20
need to patch ADAT outs from the slave to ADAT ins on the master since =
I'm=20
running cubase on both systems and so everything will be cumulatively =
summed=20
through the spdif I/O of the various cards to the spdif output on the =
master=20
DAW. I can sell my Apache, get another ADI4 DD and have enough =
additional AES=20
and ADAT I/O to just route everything through the DAW and Totalmix=20
```



software.</FONT></DIV>  
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT face=3DArial size=3D2>time to =  
sleep.....sleeeeeeepppp</FONT></DIV>  
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT face=3DArial size=3D2>;o}</FONT></DIV>  
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<BLOCKQUOTE dir=3Dltr=20  
style=3D"PADDING-RIGHT: 0px; PADDING-LEFT: 5px; MARGIN-LEFT: 5px; =  
BORDER-LEFT: #000000 2px solid; MARGIN-RIGHT: 0px">  
<DIV>"DJ" &lt;animix \_ at \_ animas \_ dot \_ net> wrote in message <A =  
  
href=3D"news:46e3aefa@linux">news:46e3aefa@linux</A>...</DIV>  
<DIV><FONT face=3DArial size=3D2>sorry.....I meant 5 RME =  
cards</FONT></DIV>  
<BLOCKQUOTE dir=3Dltr=20  
style=3D"PADDING-RIGHT: 0px; PADDING-LEFT: 5px; MARGIN-LEFT: 5px; =  
BORDER-LEFT: #000000 2px solid; MARGIN-RIGHT: 0px">  
<DIV>"DJ" &lt;animix \_ at \_ animas \_ dot \_ net> wrote in message =  
<A=20  
href=3D"news:46e3aebd@linux">news:46e3aebd@linux</A>...</DIV>  
<DIV><FONT face=3DArial size=3D2>A MADI system doesn't have enough =  
I/O for my=20  
needs but it's a real PITA tracking using 6 separate RME cards on two =  
  
different computers because the drivers do not allow the cards to =  
sum to one=20  
card. I've been racking my brain trying to figure out a way to get =  
the I/O I=20  
need here to sum into a single pair of outputs by physically routing =  
  
them.</FONT></DIV>  
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT face=3DArial size=3D2>Computer #1 (slave =  
system)</FONT></DIV>  
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT face=3DArial size=3D2>RME HDSP 9632:</FONT></DIV>  
<DIV><FONT face=3DArial size=3D2>ADAT I/O &gt; Frontier Apache I/O 1 =  
(Sending=20  
VSTi audio to&nbsp;&nbsp;master&nbsp;&nbsp;DAW)</FONT></DIV>  
<DIV><FONT face=3DArial size=3D2><STRONG>HDSP 9632 Spdif out &gt; =  
RME Multiface=20  
Spdif in</STRONG></FONT></DIV>  
<DIV><FONT face=3DArial =  
size=3D2><STRONG></STRONG></FONT>&nbsp;</DIV>  
<DIV><FONT face=3DArial size=3D2>RME Multiface </FONT></DIV>  
<DIV><FONT face=3DArial size=3D2>ADAT I/O &gt; Frontier Apache I/O 2 =  
(Sending=20



VSTi audio to master DAW&nbsp;)</FONT></DIV>  
<DIV><FONT face=3DArial size=3D2><STRONG>Multiface Spdif out &gt; =  
RME HDSP 9652=20  
Spdif in on master DAW</STRONG></FONT></DIV>  
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT face=3DArial size=3D2>Computer #2 (Master =  
system)</FONT></DIV>  
<DIV><FONT face=3DArial size=3D2></FONT>&nbsp;</DIV>  
<DIV><FONT face=3DArial size=3D2>RME HDSP 9652 #1</FONT></DIV>  
<DIV><FONT face=3DArial size=3D2>ADAT I/O 1 &gt; #1 RME ADI8-DS=20  
Main</FONT></DIV>  
<DIV><FONT face=3DArial size=3D2>ADAT I/O 2 &gt;&nbsp;&#1 RME ADI8-DS =  
  
Aux</FONT></DIV>  
<DIV><FONT face=3DArial size=3D2>ADAT I/O 3&gt; ADI4-DD (connected =  
to AES I/O of=20  
Quantec Yardstick, Lexicon PCM-91, Roland R-880 and Sony =  
V-77)</FONT></DIV>  
<DIV><FONT face=3DArial size=3D2><STRONG>RME HDSP 9652 #1 Spdif out =  
&gt; RME=20  
HDSP 9652 #2 Spdif in</STRONG></FONT></DIV>  
<DIV><FONT face=3DArial =  
size=3D2><STRONG></STRONG>&

---

---

Subject: Re: Big Ben and DAC1  
Posted by [Gary Flanigan](#) on Thu, 12 Jul 2007 17:33:10 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

DAW companies have not figured it out or liek Steinberg,  
have  
>> balked on a complete re-write of the ASIO /VST code. Now, today they Steinberg  
>> realizes it's behind..Way behind.  
>>  
>Lamont - you might want to scroll back through the forum a bit and read  
>where Chris Ludwig said that ASIO still runs a bit lower latency and more  
>efficiently than other drivers (Core audio comparable to WDM with Sonar,  
but  
>ASIO having lower cpu overhead for the same latency). Apogee uses Core  
>audio, and the last comment I read from a DAW builder wasn't overly  
>impressed with the Symphony solution. ASIO and VST aren't way behind  
>anything. Research a little better please.

That's a bit of a blanket statement, most are not impressed because of the  
price of Synphony, not the performance.

>  
>> Apple: Apple wh

---

Subject: Re: Big Ben and DAC1  
Posted by [Wayne Carson](#) on Thu, 12 Jul 2007 18:08:38 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

o owns Logic Audio decide 4 years ago , to forgo the current  
>> 24bit,32 bit float coding techniques of today, and start fresh with a  
fresh  
>> 64 bit OS, along with a fresh 64 bit Pro Audio/Video app with 64 bit plugins.  
>> Yes,they've(Apple) taken some PR hits in the last couple of years, but  
I  
>> think their decision to take a step back..look at the BIG picture, will  
pay  
>> dividends and put them in a new NATIVE standard,with near zero 1.6 ms  
DAW  
>> level, on their 8 & 16 core Personal computers(Macs)using the Apogee Symphony  
>> setup.  
>  
>I am almost positive Logic is still a 32-bit float audio engine, which is  
>completely independant of a 64-bit OS (memory/data handling, application  
>coding). In SOS Joe Bryan of Univ. Audio stated that there are  
>disadvantages to 64-bit audio esp. for plugins, not just a blanket more  
bits  
>are better.

The disadvantage is, processing power, space, bandwidth, and the fact that  
they and their hardware are not ready for 64bit yet, just wait.

>  
>Also, regarding the 1.6ms round trip, Steinberg's VSL2020 interface has/had  
>0.7ms latency years ago, and if you can find one, it still does - that's  
>ASIO. Lynx cards are also running slightly lower latency than RME on some  
>systems (Nuendo, Cubase, etc) and can achieve 1.5ms roundtrip (probably  
less  
>than another 0.1ms for converters). With Samplitude/Sequoia, RME runs lower  
>than Lynx.

The Steinberg VSL 2020 was a 32 ch. Adat card, The Symphony system is 1.7  
ms. analog to analog. With Symphony it's 192 simultaneous audio ch. at 1.7  
MS. To minimize what Symphony can do is not right.

>>  
>> My heart is telling me that as far as the Native race, Apple is going  
to  
>> win out. Even with some issues with core-audio., when they go 64 bit OS  
and  
>> following their APPS (Final Cut Pro, Logic Pro 8). Their strategic partnership  
>> with Apogee makes for an force to be reckoned with.  
>  
>I wouldn't jump so fast. Certainly Apple has the advantage of the whole

>package in house, but read the above paragraphs before proclaiming  
>Apogee/Apple as the current king of low latency. The Apogee system was  
one  
>I have watched in considering a Mac at some point mainly to see if it had  
>any better performance than an RME or Lynx system, being a Core audio  
>system, but so far that doesn't seem to be bearing out in reality, just  
in  
>marketing.  
>  
>Dedric

Well Dedric, since Apogee's claims are false and nothing more than marketing  
hype, maybe a lawsuit is in order.

>  
>>  
>> Then again, there's always Digidesign. Who has the lion share of the Pro  
>> Audio market.  
>>  
>>  
>> Ensuring that they not only have great work flow, but great sound I/O..  
>>  
>> Sorry for the long response.  
>>  
>> "Mike R." <emarenot@yahoo.com> wrote:  
>>>  
>>>  
>>> Man, I'm so used to Paris that I've not really had to wrap my head around  
>>> this direct monitoring thing. I've been trying all morning to find some  
>>> sort of explanation that made sense. The RME site has some info, but  
how  
>>> the heck does a piece of software, on top of a piece of software LOWER  
the  
>>> latency (Total Mix "on top of" Cubase for example)?? Is the best way  
to  
>>> think about it to conceptualize Total Mix as functioning like an external  
>>> mix board: a pre-recorded track from Cubase is routed to an input on  
the  
>> mix  
>>> board and the signal to be recorded is bussed to a monitor out? I don't  
>>> know why this is so difficult for me to grasp -probably over thinking  
it....  
>>> (or maybe not enough Scotch?)  
>>> Thanks.  
>>> MR  
>>>  
>>>  
>>> <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">

```

>>> <HTML><HEAD>
>>> <META http-equiv=3DContent-Type content=3D"text/html; =
>>> charset=3Diso-8859-1">
>>> <META content=3D"MSHTML 6.00.2800.1555" name=3DGENERATOR>
>>> <STYLE></STYLE>
>>> </HEAD>
>>> <BODY bgColor=3D#ffffff>
>>> <DIV><FONT face=3DArial size=3D2>Man, I'm so used to Paris that I've
not
>> =
>>> really had=20

>>> trying all=20

>>> site has=20
>>> some info, but how the heck does a piece of software, on top of a piece
>> =
>>> of=20
>>> software LOWER the latency (Total Mix "on top of" Cubase for =

>>> the best way to think about it to conceptualize Total Mix as functioning
>> =
>>> like an=20
>>> external mix board: a pre-recorded track from Cubase is routed to an
=
>>> input on=20
>>> the mix board and the signal to be recorded is bussed to a monitor =

>>> don't know why this is so difficult for me to grasp -probably over =
>>> thinking=20
>>> it.... (or maybe not enough Scotch?)</FONT></DIV>
>>> <DIV><FONT face=3DArial size=3D2>Thanks.</FONT></DIV>
>>> <DIV><FONT face=3DArial size=3D2>MR</FONT></DIV></BODY></HTML>
>>>
>>>
>>
>> Its so weird, as I guess the Steinway group is noting,
> that these DAWs can't get the latency down to Paris/Pro Tools levels. Paris
> was doing it with what has to be, by now, a pretty low tech card.
> MR

```

Mike - The reason Paris, Protools, and Soundscape/Mixtreme achieve lower latency than software DAWs (Nuendo, Logic, Sonar, DP, etc) is that these are direct hardware systems, not unlike a digital mixer a la DM2000 etc. The downside, is that you can't run native applications or plugins directly on the hardware itself, and you are limited to what the hardware manufacturer and any 3rd parties develop specifically for it - the technology is also frozen in time and keeping pace with technological advancements (better

processors, faster memory, and even better quality I/O is nearly impossible and still maintain backwards compatibility - just ask PT Mix to HD upgraders). Paris only ran it's own mixer and EDS plugins on the EDS cards, but VST plugins are still native, and subject to internal latency and cpu overhead. Hence we only had 16 tracks per EDS card. 100 tracks on a native rig is nothing now.

My general DAW pros and cons response:

Though pretty much everyone here knows most of there, here is my take on all of this since it's been discussed in part in different threads recently, just because I'm bored, and hate to see misinformation distributed in pieces here and there.....

HYBRID-HARDWARE (PT, Paris, Sydec/Soundscape):

The advantage to a hardware system is of course, lower latency and running plugins on the hardware at lower latency (e.g. tracking with plugins).

The disadvantage is the systems are always proprietary (e.g. more costly, including plugins), fixed processing capability (you have to add more DSP cards to run more plugins, add more I/O, etc), and usually older technology. ProTools is still using Motorola DSP chips, which are fine, but they are ganging a dozen or so together to create processing, and you must divide that dsp between the mixer, I/O and plugins. The plugin counts are about half that for Universal Audio plugins vs. the exact same plugins on a UAD-1 card (e.g. the cost is twice, or more, per plugin to run on a TDM system vs. a native system).

Despite what others say, the cost is in fact significantly higher with a proprietary system unless you are happy with the fixed plugin load you can achieve, I/O count, etc. If you want to expand, you have to upgrade, and that is quite expensive. Digi's trade in program seems to be a decent deal, but it's still quite expensive to get 64 tracks and a decent sized mix, not counting the computer, which if you want to run anything nati

---

Subject: Re: Big Ben and DAC1  
Posted by [rich](#) on Thu, 12 Jul 2007 18:30:04 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

ve, needs to be  
somewhat decent.

NATIVE:

One advantage to native is it is quite inexpensive to expand and upgrade, and you choose your software, I/O card, I/O hardware, etc. Plugins are usually 1/2 that of their TDM counterparts, or less. For the cost of an HD card, you can build/buy two dual quad PCs or Macs and one of either will run a higher plugin and track count than a single HD card (I've done the math on this several times, so don't listen to the marketing hype: a single HD card supports up to 96 simultaneous tracks at 44.1/48k - I can run that with plugins on every track on my Nuendo rig - low latency, though I don't recall how low I dropped it).

Hardware interface cards don't run the main DAW mixer or plugins locally - they just pass I/O streams between the DAW software and outside world, so there is a layer of drivers (ASIO, WDM, Coreaudio) between the hardware and DAW.

The downside to native is latency in monitoring during tracking (whether live monitoring for recording bands, or tracking VSTis, etc). During mixing this isn't a big deal. Of course with faster cpus, you can run a more complicated project (more I/O, more plugins), while maintaining low latency, but as noted in a previous response there are multicore scaling issues with Nuendo and Cubase at the moment preventing making use of the full potential of dual quad cores, or to a lesser degree, dual dual cores.

There are tradeoffs both ways that extend far beyond the latency issue: ProTools for composing/production just isn't happening for anyone I know.

It's a cool system, so I'm not knocking it in the least, just stating that like anything, thinking it's the end-all be-all, or worse, proclaiming that publicly is shortsighted, and a disservice to users considering the two options (native or hardware). The reason higher end users are going native, and the reason I'm running native, is that it affords me a significantly more flexible and cost effective upgrade and compatibility path, and the software I can use is significantly more powerful than any hybrid-hardware solution, bar none. Anyone that says one (hardware or native) is ultimately better than the other for any use either hasn't done their homework, or is selling something. :-)

Use what works best for you of course, be it Paris, ProTools, Soundscape, Nuendo, DP, Cubase, Logic, Sonar, Live, Reaper; Mac or PC; or a console and tape. In the end, what we can accomplish now with very little investment is incredible, no matter how you look at it.

Regards,  
Dedric

On 9/9/07 5:07 PM, in article 46e452e6@linux, "Mike R." <emarenot@yahoo.com> wrote:

> Hey LaMont

> Thanks for the reply. Very helpful. I appreciate the overview on the state

> of the DAW world. Its so weird, as I guess the Steinway group is noting,

> that these DAWs can't get the latency down to Paris/Pro Tools levels. Paris

> was doing it with what has to be, by now, a pretty low tech card.

> MR

>

> "LaMont" <jjdpro@gmail.com> wrote in message news:46e4422b\$1@linux...

>>

>> Mike..Direct Monitoring is very important if your running a Native based

> DAW..

>> Right now on Nunendo.com there's a Big discusion with high-end users Like

>> Brian T and others along with Steinberg as why they can't can't achive

> near

>> zero talking .5ms-1.5(rountrip)(latency with the current technology-high

>> speed dual-dual core processors.

>>

>> Yes, in Paris we have been spoiled with the best DAW latency in the

> business.

>> But, you know the Paris story. And, most folk are hell bent on a Native

> based

>> solution that can topple Pro Tools and Paris mixing and routing power..

>>

>> Having said all of that, the best way (Like BrianT) states to achieve near

>> -zero latency in a native DAW is to add a mixer(analog or Digital) . This

>> would ensure absolutly no latency when tracking. Inthe case of BrianT ,

> his

>> facily uses a Euphonix System 5 mixers(2)..Which Btw does(System 5) most

>> of EQing and Compression chores. So the strain to have the DAW do

> everthing

>> is minimal.

>>

>> Products like Total Mix (RME) Cue mix (Motu) address the Native DAW

> latency

>> issue by incorporating so clever Mixer routing "outside " of the DAW. In

>> other words, acting as an Digital Mixer with in a PC/MAC , yet able to

> route

>> audio to and fro to the Native App..

>>

>> Today Apoggee is claming 1.6 ms latency(round trip) when using it's

> Symphony

>> PCI-E cards. Daisy chaining them up to 96 channels each way (192) total.

>> This a hugh leap in native Land. This put the user back into the Paris ,

>> Pro Tools realm of flexibly ..

>>

>> [http://www.apogeedigital.com/products/symphony\\_performance.p hp](http://www.apogeedigital.com/products/symphony_performance.p hp)

>>

>> The Apogee solution is not cheap by know means..



>>  
>> We thought that by now we'd be using 64 bit everything(OS,DAW,  
> Plugins..etc)  
>> but, most of DAW companies have not figured it out or liek Steinberg, have  
>> balked on a complete re-write of the ASIO /VST code. Now, today they  
> Steinberg  
>> realizes it's behind..Way behind.  
>>  
>> Apple: Apple who owns Logic Audio decide 4 years ago , to forgo the  
> current  
>> 24bit,32 bit float coding techniques of today, and start fresh with a  
> fresh  
>> 64 bit OS, along with a fresh 64 bit Pro Audio/Video app with 64 bit  
> plugins.  
>> Yes,they've(Apple) taken some PR hits in the last couple of years, but I  
>> think their decision to take a step back..look at the BIG picture, will  
> pay  
>> dividends and put them in a new NATIVE standard,with near zero 1.6 ms DAW  
>> level, on their 8 & 16 core Personal computers(Macs)using the Apogee  
> Symphony  
>> setup.  
>>  
>> I'm aproud Paris owner and user(even Today) along with Nuendo, Pro Tools  
>> and even Logic (PC!@#)\$)..  
>>  
>> My heart is telling me that as far as the Native race, Apple is going to  
>> win out. Even with some issues with core-audio., when they go 64 bit OS and  
>> follwoing their APPS (Final Cut Pro, Logic Pro 8). Their strategic  
> partnership  
>> with Apogee makes for an force to be reckoned with.  
>>  
>> Then again, there's always Digidesign. Who has the lion share of the Pro  
>> Auio market.  
>>  
>>  
>> Ensuring that they not only have great work flow, but great sound I/O..  
>>  
>> Sorry for the long response.  
>>  
>> "Mike R." <emarenot@yahoo.com> wrote:  
>>>  
>>>  
>>> Man, I'm so used to Paris that I've not really had to wrap my head around  
>>> this direct monitoring thing. I've been trying all morning to find some  
>>> sort of explanation that made sense. The RME site has some info, but how  
>>> the heck does a piece of software, on top of a piece of software LOWER  
> the  
>>> latency (Total Mix "on top of" Cubase for example)?? Is the best way to



```

>>> think about it to conceptualize Total Mix as functioning like an external
>>> mix board: a pre-recorded track from Cubase is routed to an input on the
>> mix
>>> board and the signal to be recorded is bussed to a monitor out? I don't
>>> know why this is so difficult for me to grasp -probably over thinking
> it....
>>> (or maybe not enough Scotch?)
>>> Thanks.
>>> MR
>>>
>>>
>>> <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
>>> <HTML><HEAD>
>>> <META http-equiv=3DContent-Type content=3D"text/html; =
>>> charset=3Diso-8859-1">
>>> <META content=3D"MSHTML 6.00.2800.1555" name=3DGENERATOR>
>>> <STYLE></STYLE>
>>> </HEAD>
>>> <BODY bgColor=3D#ffffff>
>>> <DIV><FONT face=3DArial size=3D2>Man, I'm so used to Paris that I've not
>> =
>>> really had=20
>>> to wrap my head around this direct monitoring thing. I've been =
>>> trying all=20
>>> morning to find some sort of explanation that made sense. The RME =
>>> site has=20
>>> some info, but how the heck does a piece of software, on top of a piece
>> =
>>> of=20
>>> software LOWER the latency (Total Mix "on top of" Cubase for =
>>> example)?? Is=20
>>> the best way to think about it to conceptualize Total Mix as functioning
>> =
>>> like an=20
>>> external mix board: a pre-recorded track from Cubase is routed to an =
>>> input on=20
>>> the mix board and the signal to be recorded is bussed to a monitor =
>>> out? I=20
>>> don't know why this is so difficult for me to grasp -probably over =
>>> thinking=20
>>> it.... (or maybe not enough Scotch?)</FONT></DIV>
>>> <DIV><FONT face=3DArial size=3D2>Thanks.</FONT></DIV>
>>>

```

---

Subject: Re: Big Ben and DAC1  
Posted by [BradLyons](#) on Thu, 12 Jul 2007 19:03:51 GMT

I  
> did spend money. Heh.  
>  
> S  
>  
>  
> "DJ" <animix \_ at \_ animas \_ dot \_ net> wrote in message  
> news:46e2f1b8@linux...  
>> You need an SPL Transient Designer.  
>>  
>> <http://mercenary.com/spltrde2.html>  
>>  
>> You need it now.....immediately.....pronto!!!  
>>  
>> It's your birthday. Spend money.  
>>  
>> ;o)  
>>  
>>  
>> "John" <no@no.com> wrote in message news:46e29614\$1@linux...  
>>>  
>>> I'm trying to get my dynamics under control and my kick is causing me  
>>> the  
>>> largest problem. My goal is a crest factor of 14 for my overall mix and  
>>> right now it's more like 20. When I use various compressors / limiters  
>>> /  
>>> eqs etc to control the dynamics it is killing the low freq thump. Does  
>>> anyone  
>>> have tips on how to control this wild kick drum without hosing up the  
>>> tone?  
>>>  
>>> Thanks  
>>  
>>  
>  
> James - my comments on Symphony are simply that the reviews I've read simply  
counter Lamont's claims that it is leading the audio interface market with  
lower latency than anything else. 1.6ms roundtrip is great, but only if it  
is reality under realistic loading - I'm all for it, and the more interfaces  
running sub 2ms, or better, sub 1ms the better. No one said it's a bad  
interface, or subpar than anything else, just that it isn't necessarily some  
remarkable breakthrough technology.

Let's keep the facts straight and refrain from blindly defending anything  
that relates to Apple (though this was specifically in response to a  
poster's comments, not Apogee, Symphony, or Apple). The VSL2020 comparison  
was purely to point out that low latency interfaces aren't breakthrough

technology - even RME and Lynx haven't completely reached the level of low latency the 2020 did, regardless of I/O config.

I'm all for a great interface from Apogee, for the Mac, and for Logic. As Jamie often states, competition is good for all. I don't want to be locked into anything, whether it's ProTools or Nuendo, PC or Mac, RME or Apogee.

Please, yet again, don't jump to conclusions and assume that everyone is out to trash anything remotely related to Apple, 3rd party providers, etc. James, there is often more to my comments than you might like to believe - it seems far too easy for you to jump on me assuming I'm somehow slandering Apple, and it's getting really old. Give it a rest.

I have to be honest, my tolerance level for the defensiveness and lack of technical backing for the many tech debates here is wearing quite thin. I like you guys and generally enjoy conversing here, but I'm sure we all have better things to do than wade through constantly flip-flopping hyperbole, misinformation, and replies made with no intent of reading the involved post, much less understanding the poster's point of view.

Dedric

On 9/9/07 3:14 PM, in article 46e4624b\$1@linux, "James McCloskey" <excelsm@hotmail.com> wrote:

>  
> Dedric Terry <dterry@keyofd.net> wrote:  
>> Lamont -  
>>  
>> On 9/9/07 12:57 PM, in article 46e4422b\$1@linux, "LaMont" <jjdpro@gmail.com>  
>> wrote:  
>>  
>>>  
>>> Mike..Direct Monitoring is very important if your running a Native based  
> DAW..  
>>> Right now on Nunendo.com there's a Big discusion with high-end users Like  
>>> Brian T and others along with Steinberg as why they can't can't achive  
> near  
>>> zero talking .5ms-1.5(rountrip)(latency with the current technology-high  
>>> speed dual-dual core processors.  
>>>  
>> That has to do with scaling on multiple processors, not the driver, or the  
>> direct monitoring concept or implementation. I'll address the reasons why  
>> ProTools and Paris have lower latency, but where you pay the price for it  
> in  
>> another reply to Mike's post.  
>>  
>>> We thought that by now we'd be using 64 bit everything(OS,DAW, Plugins..etc)

>>> but, most of DAW companies have not figured it out or liek Steinberg,  
> have  
>>> balked on a complete re-write of the ASIO /VST code. Now, today they  
>>> Steinberg  
>>> realizes it's behind..Way behind.  
>>>  
>> Lamont - you might want to scroll back through the forum a bit and read  
>> where Chris Ludwig said that ASIO still runs a bit lower latency and more  
>> efficiently than other drivers (Core audio comparable to WDM with Sonar,  
> but  
>> ASIO having lower cpu overhead for the same latency). Apogee uses Core  
>> audio, and the last comment I read from a DAW builder wasn't overly  
>> impressed with the Symphony solution. ASIO and VST aren't way behind  
>> anything. Research a little better please.  
>  
> That's a bit of a blanket statement, most are not impressed because of the  
> price of Synphony, not the performance.  
>  
>>  
>>> Apple: Apple who owns Logic Audio decide 4 years ago , to forgo the current  
>>> 24bit,32 bit float coding techniques of today, and start fresh with a  
> fresh  
>>> 64 bit OS, along with a fresh 64 bit Pro Audio/Video app with 64 bit  
>>> plugins.  
>>> Yes,they've(Apple) taken some PR hits in the last couple of years, but  
> I  
>>> think their decision to take a step back..look at the BIG picture, will  
> pay  
>>> dividends and put them in a new NATIVE standard,with near zero 1.6 ms  
> DAW  
>>> level, on their 8 & 16 core Personal computers(Macs)using the Apogee  
>>> Symphony  
>>> setup.  
>>  
>> I am almost positive Logic is still a 32-bit float audio engine, which is  
>> completely independant of a 64-bit OS (memory/data handling, application  
>> coding). In SOS Joe Bryan of Univ. Audio stated that there are  
>> disadvantages to 64-bit audio esp. for plugins, not just a blanket more  
> bits  
>> are better.  
>  
> The disadvantage is, processing power, space, bandwidth, and the fact that  
> they and their hardware are not ready for 64bit yet, just wait.  
>  
>>  
>> Also, regarding the 1.6ms round trip, Steinberg's VSL2020 interface has/had  
>> 0.7ms latency years ago, and if you can find one, it still does - that's  
>> ASIO. Lynx cards are also running slightly lower latency than RME on some

>> systems (Nuendo, Cubase, etc) and can achieve 1.5ms roundtrip (probably  
> less  
>> than another 0.1ms for converters). With Samplitude/Sequoia, RME runs lower  
>> than Lynx.  
>  
> The Steinberg VSL 2020 was a 32 ch. Adat card, The Symphony system is 1.7  
> ms. analog to analog. With Symphony it's 192 simultaneous audio ch. at 1.7  
> MS. To minimize what Symphony can do is not right.  
>  
>>>  
>>> My heart is telling me that as far as the Native race, Apple is going  
> to  
>>> win out. Even with some issues with core-audio, when they go 64 bit OS  
> and  
>>> following their APPS (Final Cut Pro, Logic Pro 8). Their strategic  
>>> partnership  
>>> with Apogee makes for a force to be reckoned with.  
>>  
>> I wouldn't jump so fast. Certainly Apple has the advantage of the whole  
>> package in house, but read the above paragraphs before proclaiming  
>> Apogee/Apple as the current king of low latency. The Apogee system was  
> one  
>> I have watched in considering a Mac at some point mainly to see if it had  
>> any better performance than an RME or Lynx system, being a Core audio  
>> system, but so far that doesn't seem to be bearing out in reality, just  
> in  
>> marketing.  
>>  
>> Dedric  
>  
> Well Dedric, since Apogee's claims are false and nothing more than marketing  
> hype, maybe a lawsuit is in order.  
>  
>>  
>>>  
>>> Then again, there's always Digidesign. Who has the lion share of the Pro  
>>> Audio market.  
>>>  
>>>  
>>> Ensuring that they not only have great work flow, but great sound I/O..  
>>>  
>>> Sorry for the long response.  
>>>  
>>> "Mike R." <emarenot@yahoo.com> wrote:  
>>>>  
>>>>  
>>>> Man, I'm so used to Paris that I've not really had to wrap my head around  
>>>> this direct monitoring thing. I've been trying all morning to find some

>>>> sort of explanation that made sense. The RME site has some info, but  
> how  
>>>> the heck does a piece of software, on top of a piece of software LOWER  
> the  
>>>> latency (Total Mix "on top of" Cubase for example)?? Is the best way  
> to  
>>>> think about it to conceptualize Total Mix as functioning like an external  
>>>> mix board: a pre-recorded track from Cubase is routed to an input on  
> the  
>>> m

---

---

Subject: Re: Big Ben and DAC1  
Posted by [BradLyons](#) on Thu, 12 Jul 2007 19:07:06 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

ix  
>>>> board and the signal to be recorded is bussed to a monitor out? I don't  
>>>> know why this is so difficult for me to grasp -probably over thinking  
> it....  
>>>> (or maybe not enough Scotch?)  
>>>> Thanks.  
>>>> MR  
>>>>  
>>>>  
>>>> <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">  
>>>> <HTML><HEAD>  
>>>> <META http-equiv=3DContent-Type content=3D"text/html; =  
>>>> charset=3Diso-8859-1">  
>>>> <META content=3D"MSHTML 6.00.2800.1555" name=3DGENERATOR>  
>>>> <STYLE></STYLE>  
>>>> </HEAD>  
>>>> <BODY bgColor=3D#ffffff>  
>>>> <DIV><FONT face=3DArial size=3D2>Man, I'm so used to Paris that I've  
> not  
>>> =  
>>>> really had=20  
>>>> to wrap my head around this direct monitoring thing. I've been =  
>>>> trying all=20  
>>>> morning to find some sort of explanation that made sense. The RME =  
>>>> site has=20  
>>>> some info, but how the heck does a piece of software, on top of a piece  
>>> =  
>>>> of=20  
>>>> software LOWER the latency (Total Mix "on top of" Cubase for =  
>>>> example)?? Is=20  
>>>> the best way to think about it to conceptualize Total Mix as functioning  
>>> =

>>>> like an=20  
>>>> external mix board: a pre-recorded track from Cubase is routed to an  
> =  
>>>> input on=20  
>>>> the mix board and the signal to be recorded is bussed to a monitor =  
>>>> out? I=20  
>>>> don't know why this is so difficult for me to grasp -probably over =  
>>>> thinking=20  
>>>> it.... (or maybe not enough Scotch?)</FONT></DIV>  
>>>> <DIV><FONT face=3DArial size=3D2>Thanks.</FONT></DIV>  
>>>> <DIV><FONT face=3DArial size=3D2>MR</FONT></DIV></BODY></HTML>  
>>>>  
>>>>  
>>>  
>>  
>Dedric what are you talking about ??

Asio may be the best for Native PC da users, but certainly not for mac users.

All in all , with ASIO getting long winded, Asio has gotten old, and they Steinberg has not figured out how to fix the routing(Mixer) issues that will put it on par with Pro Tool's software controlled hardware.

Your argument about HD plugins is valid, but Digi is throwing the kitchen sink these days with new purchases, not just trade-ins. Suffice it to say, when you purchase a new HD rig, you won't need to make many Plugin Purchases anytime soon.

I totally disagree with you about Native being a Cheaper upgrade path. Since 1999, most semi and high end users have upgraded their systems at least 4 -5 times.. With the intent of gaining more power. Even today, We sterinberg users are still on the upgrade war path with the wholo core2 dual, 8 core..yada yada..How much do you think it cost ?? what's the real TCO??

If I'm honest, I'll tell I have spent over 6K over the last 5 years, not counting software..And thats being kind.

With evey mention of a new Processor, comes the dream of Zero lantency for the Native. Now, we know our pre-64 bit cpu investments over that last couple of years has been a sham..  
Sure we can run a few more plugins, but that's about it..

To me and my circle of producers and engineers, all have or will be going Pro Tool HD.. Depending on the needs, HD 2 acell seems to be the popular choice. Maybe your circle of music friend are going Native, not mine..and these guys are heavey hitters in he game.

I'm not the biggest fan of Pro Tools(AKA Slo-tools), but it has the buzz all the way down to M-powered, LE..to mix(plus).

I truly believe Native can compete with a DSP based system (for Commerical based studios) withthe inclusion of a mixer.

It's funny, a lot of Pro Tools based studios haveimplemented a Mixer. Why??

Like the Nuendo forum discusion pointed out: It seems(like always) that we have different needs. The ITB guys need near or closest to zero latency as possible. Where as the guys who just edits and mix , run their daw at 1024 and care about zero latency.

I think in the future, it would best(for all) to say what application you work in before making statements or suggestions to anyone. Because everyone has differnt studio, workflow needs.

Dedric, you mainly work in Post, where as I work in a more commercial studio. Our needs and opinions will be vastly different.

That's he problem with these kinds of dscusions in forums. You have a ITB, one room dude, running abelton live( nothing wrong with that), telling dude who works at a facility that abelton live would be good for them ..

Dedric Terry <dterry@keyofd.net> wrote:

>Lamont -

>

>On 9/9/07 12:57 PM, in article 46e4422b\$1@linux, "LaMont" <jjdpro@gmail.com>

>wrote:

>

>>

>> Mike..Direct Monitoring is very important if your running a Native based DAW..

>> Right now on Nunendo.com there's a Big discusion with high-end users Like

>> Brian T and others along with Steinberg as why they can't can't achive near

>> zero talking .5ms-1.5(rountrip)(latency with the current technology-high

>> speed dual-dual core processors.

>>

>That has to do with scaling on multiple processors, not the driver, or the

>direct monitoring concept or implementation. I'll addre

---

---



at is best for the original poster.

>>>

>>> Dedric

>>>>

>>>>

>>>>

>>>

>>

>Neil,I use PT M-Powered at home. HD 3 at the studio(s) where I work in. I do own HD software. Just have not settled on the converters.

HD is a more flexible routing solution for studios that need to integrate hardware, easily with minimal latency. I'm sorry, but HD is one Hell of a Digital Mixer.Even BrianT will say so.

Paris's patch bay was on it's way..Nuendo/SX okay.. To be honest, I think that teh guys who invented VST never imagined that engineers,, not msuicians, but engineers would get so invloved with Wanting to integrated their Hardware into Cubase.

This ahs thrown them for a complet loop(Steinberg).VST by it's very definition, Virtual STudio Technology,was meant to be jsut that..Virtual. Software only.. Not, adding Hardware devices.

It will remains to be scene if they pull it off without dedicated Hardware.

Personally llove DSP based systems. If Paris were to make a comaback , even under another name company, I'd jump in a heart beat..

Now that Lynx's have the digi mod , that migh be the way I'll go.

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

>

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

>>

>>Okay..But, but my point was to answer the statement about

>>crappy music being made in so called pro facilities. crappy

>>clients coming in with crappy music can happen at level of

>>studio.

>>Big buck facility,does not ensure top quality product.

>

>Everybody here knows this much: you can make great music with

>crap gear & crap music with great gear. Ideally, if you can

>make great music with great gear, then every now & then you get

>the right blend of luck & skill on both sides of the glass, and

>everything gels just right. As far as crappy clients go, you  
>CAN do some degree of turd-polishing. Look, this is life,  
>sometimes shit just is a waste of time - bad music, bad  
>players, bad gear, bad engineers... this is probably the  
>majority of what gets recorded! lol  
>  
>We're talking about practical applications & I think that's  
>what Dedric is trying to say, as well. PTHD is NOT the solution  
>for everybody. I've said here before that if I had a fully-  
>commercial facility, I'd absolutely have an HD rig, but really  
>for the following reasons:  
>1.) Ease of Compatibility with other facilities.  
>2.) Plain & simple marketing - people want PT? OK, fine, I've  
>got PT! No need to convince someone otherwise until they get in  
>there & you can show 'em the difference if you want.  
>  
>That's it! No other reason! I do think the HD convertors sound  
>very good (while the 888's sounded like ass), but there are  
>other good-sounding convertors, as well. IOW, there is no sonic-  
>specific reason to go with HD, in my view. None.  
>  
>BTW, I find it ironic that you espouse PT so much as  
>being the "pro" solution, and talk down to those who do not  
>agree with you, when you yourself DO NOT OWN IT!!! You have an  
>LE system, do you not? Big fucking difference between the HD-  
>196 convertors & whateverthefuck you're using in your LE rig!  
>  
>You DO tend to make some empirical statements without really  
>thinking about it, ya know.  
>  
>Neil"DJ" <animix \_ at \_ animas \_ dot \_ net> wrote:  
>Thanks for the heads up on this one.....see???...you can do something  
  
>right after all, but I'm gonna be skeptical until I compare this to  
>something I've done on an SSL

With an original FC-670 strapped across the 2-buss, I presume?

:)Hey everyone!

I haven't been to the group in a while and was just checking back in to make sure everything was still cool. It's good to see the familiar names are still hanging around.

I changed day jobs last March and between that, the family, and the band gigging all the time, I just haven't had a lot of time to keep up with things here. My new day gig is building and helping to design Atomic Force Microscopes. The head guy is an old music buddy of mine and he knew I was

good with gadgets and had a background in tinkering, and decided to make me an offer I couldn't refuse. Here's a link to the company if anyone is interested in just what the hell an Atomic Force Microscope is:

[www.novascan.com](http://www.novascan.com)

In other news, my band, Standing Hampton, just finished our first CD. Several of the songs started out in PARIS, but were then re-recorded and mixed in DP when I switched over. I miss the sound of PARIS, but the need for "modern" plug-in handling, virtual instruments, etc. was just too great for me. The bulk of the tracks were recorded in DP 5 on my dual 2Ghz G5. Our keyboard player recorded his tracks on his Nuendo rig and they were then flown into DP for mixing. The mastering was done by Discmakers where we had the CD manufactured. Our band plays high energy classic rock covers and we were always being asked if we had a CD, so we decided to put something out to sell at gigs, etc. It's definitely "old school" rock. The description we use is "Power pop rock at it's seveties-eightiesest". ;>) Anyway, if anyone wants to check it out, you can listen to snippets at iTunes, CD Baby and Digstation.com. Just do a search for "Standing Hampton" / "Brace Yourself" or you can get there from our web site at [www.standinghampton.com](http://www.standinghampton.com).

I'll try to check in more often now that my life's slowed down a little again. I always enjoy the company here and I'm glad the place is still going strong!

Later,

TonyTony Benson <[tony@standinghampton.com](mailto:tony@standinghampton.com)> wrote:

>Hey everyone!Hey everyone!

I haven't been to the group in a while and was just checking back in to make sure everything was still cool. It's good to see the familiar names are still hanging around.

>I changed day jobs last March and between that, the family, and >the band >gigging all the time, I just haven't had a lot of time to keep >up with >things here. My new day gig is building and helping to design >Atomic Force >Microscopes.

Tony, that's one of the coolest thing I can imagine. Congratulations.

-stevegot em...thanks LaMont.

On 10 Sep 2007 04:21:20 +1000, "LaMont" <[jjdpro@ameritech.net](mailto:jjdpro@ameritech.net)> wrote:

>

>Do ou right mouse click on the link? Maybe too many people are downloading..

>

>rick <parnell68@hotmail.com> wrote:  
>>i would if i could get it to download properly. it keeps quitting at  
>>different points anywh

---

---

Subject: Re: Big Ben and DAC1  
Posted by [Aaron Allen](#) on Fri, 13 Jul 2007 05:24:18 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

ere from 1/2 mb to 13.5 mb.

>>  
>>On 9 Sep 2007 12:17:37 +1000, "LaMont" <jjdpro@ameriech.net> wrote:  
>>  
>>>  
>>>Hey.. Has anyone else tried ou these plugins? <http://antress.myweb.hinet.net/>  
>>>  
>>>See my post reply on my findings.. Would like your opinions..hey are free  
>>>, give them a try...Thanks  
>>>  
>>hey tony,

welcome back though i was hoping the AFM was a new retro all metal  
squirt gun...

rick

On Mon, 10 Sep 2007 02:47:45 -0500, Tony Benson  
<tony@standinghampton.com> wrote:

>Hey everyone!  
>  
>I haven't been to the group in a while and was just checking back in to make  
>sure everything was still cool. It's good to see the familiar names are  
>still hanging around.  
>  
>I changed day jobs last March and between that, the family, and the band  
>gigging all the time, I just haven't had a lot of time to keep up with  
>things here. My new day gig is building and helping to design Atomic Force  
>Microscopes. The head guy is an old music buddy of mine and he knew I was  
>good with gadgets and had a background in tinkering, and decided to make me  
>an offer I couldn't refuse. Here's a link to the company if anyone is  
>interested in just what the hell an Atomic Force Microscope is:  
>  
>[www.novascan.com](http://www.novascan.com)  
>  
>In other news, my band, Standing Hampton, just finished our first CD.  
>Several of the songs started out in PARIS, but were then re-recorded and  
>mixed in DP when I switched over. I miss the sound of PARIS, but the need

>for "modern" plug-in handling, virtual instruments, etc. was just too great  
>for me. The bulk of the tracks were recorded in DP 5 on my dual 2Ghz G5. Our  
>keyboard player recorded his tracks on his Nuendo rig and they were then  
>flown into DP for mixing. The mastering was done by Discmakers where we had  
>the CD manufactured. Our band plays high energy classic rock covers and we  
>were always being asked if we had a CD, so we decided to put something out  
>to sell at gigs, etc. It's definitely "old school" rock. The description we  
>use is "Power pop rock at it's seveties-eightiesest". ;>) Anyway, if anyone  
>wants to check it out, you can listen to snippets at iTunes, CD Baby and  
>Digstation.com. Just do a search for "Standing Hampton" / "Brace Yourself"  
>or you can get there from our web site at [www.standinghampton.com](http://www.standinghampton.com).  
>  
>I'll try to check in more often now that my life's slowed down a little  
>again. I always enjoy the company here and I'm glad the place is still going  
>strong!  
>  
>Later,  
>  
>Tony  
> [http://money.excite.com/jsp/nw/nwdt\\_rt\\_top.jsp?news\\_id=ap-d8\\_rikq680&Hmmm.....](http://money.excite.com/jsp/nw/nwdt_rt_top.jsp?news_id=ap-d8_rikq680&Hmmm.....) I was  
wondering why I was seeing Santa rosa 2220's on EBay for  
\$275.00 over the weekend. I'm still going to hold off on building the  
perfect beast until I see what Cubase comes up with as far as being able to  
scale with dual quads. I'm thinking a Tyan S2915 mobo with a pair of 3G quad  
core Barcelona's and 16G RAM running on Vista by sometime next summer. I  
sure hope this puts a dent in Intels ascendancy. I still remember the "rpre  
athlon" days when Intel had us all bent over and was screwing us for every  
penny. I paid around \$2k for my first Paris DAW with an Intel Pentium 200MHZ  
CPU.

Hooray for AMD.

;o)

"James McCloskey" <[excelsm@hotmail.com](mailto:excelsm@hotmail.com)> wrote in message  
news:46e55ce0\$1@linux...

>

> [http://money.excite.com/jsp/nw/nwdt\\_rt\\_top.jsp?news\\_id=ap-d8\\_rikq680&Two of them...in](http://money.excite.com/jsp/nw/nwdt_rt_top.jsp?news_id=ap-d8_rikq680&Two%20of%20them...in%20series)  
series. You gotta emulate an RNC with these if you're onna  
be cutting edge.

;o)

"Neil" <[OIUOIU@OIU.com](mailto:OIUOIU@OIU.com)> wrote in message news:46e4e3dc\$1@linux...

>

> "DJ" <[animix\\_at\\_animas\\_dot\\_net](mailto:animix_at_animas_dot_net)> wrote:

>>Thanks for the heads up on this one.....see???...you can do something

>

>>right after all, but I'm gonna be skeptical until I compare this to  
>>something I've done on an SSL  
>  
> With an original FC-670 strapped across the 2-buss, I presume?  
>  
> :)I guess this means you won't be buying a Mac, but what if it had AMDs in it?  
; )

"DJ" <animix \_ at \_ animas \_ dot \_ net> wrote:

>Hmmm.....I was wondering why I was seeing Santa rosa 2220's on EBay for

>\$275.00 over the weekend. I'm still going to hold off on building the  
>perfect beast until I see what Cubase comes up with as far as being able  
to  
>scale with dual quads. I'm thinking a Tyan S2915 mobo with a pair of 3G  
quad  
>core Barcelona's and 16G RAM running on Vista by sometime next summer. I

>sure hope this puts a dent in Intel's ascendancy. I still remember the "rpre

>athlon" days when Intel had us all bent over and was screwing us for every

>penny. I paid around \$2k for my first Paris DAW with an Intel Pentium 200MHZ

>CPU.

>

>Hooray for AMD.

>

>;o)

>

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

>news:46e55ce0\$1@linux...

>>

>> [http://money.excite.com/jsp/nw/nwdt\\_rt\\_top.jsp?news\\_id=ap-d8 rikq680&](http://money.excite.com/jsp/nw/nwdt_rt_top.jsp?news_id=ap-d8 rikq680&)

>

>Lamont - instead of just replying to your latest post, I've copied sections  
from a couple of posts to address at once, then leave the topic alone for  
now:

On 9/9/07 6:59 PM, in article 46e4970f\$1@linux, "LaMont"

<jjdpro@ameritech.net> wrote:

> I guess we are back to our usual disagreement about what's considered Pro.

> That's fine, you can call pro anything you like..I'll refrain from such

> terms..But,

> I will use terms as Commercial and Project..even pro project studios. To me,

> just because a person has his PC/Mac in an office building does not make him

> comercial. There are certain indusry tools you must have to be considered  
> commerical. Even you have high-end clients.

Usual disagreement? Okay.... My point has simply been that working in a large studio doesn't make you more knowledgeable than someone who owns their own music/audio business. We were talking about native vs. hardware hybrid, not commercial vs. project studio. Commercial is a broad description. Project has a part time/semi-pro connotation, but that's beside the point... just fyi.

Also, be careful - your comments at times come across as condescending. It puts you in a position of someday having to really back it up with a serious level of credibility. Maybe not what you intended.

> Your needs and my needs are vastly different> I really need at least 32  
> channels  
> of I/O for tracking..

Great - the more the merrier. :-)) 32+ is fine for tracking bands, etc.

.... wouldn't be enough for my work though, oddly enough. I run 48 now and will be doubling that in the very near future. :-)) No, it isn't a pissing match at all - just having a little fun with the notion that I/O count was a distinction between our needs. I'm also pointing out that technical requirements and knowledge aren't directly related to the size of a console, inputs, etc. I know the point you were making - you track bands, I don't - the differences in needs are obvious, but the technical differences and requirements aren't as diverse as you might think. I need studios like yours to track in from time to ti

---

Subject: Re: Big Ben and DAC1  
Posted by [Bill L](#) on Fri, 13 Jul 2007 12:08:45 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

make a directory called "neocon" and that didn't work out at all...

What happened when you tried to make a directory called: "iamaonetrickponyglobalwarmingliberalranter" ???

Anything?

Got any more political posts ready to go for me?

:)

NeilThat's a shame. Hope he went peacefully.

Neil

Bill L <bill@billlorentzen.com> wrote:

>Come back soon, Joe. We need ya.

>

>steve the artguy wrote:

>> Jazz Great Joe Zawinul Dies at 75

>>

>>

fame

>> as one of the creators of jazz-rock fusion with the band Weather Report,

>> has died, a hospital official said. He was 75.

>>

>> Zawinul died early Tuesday, a spokeswoman for Vienna's Wilhelmina Clinic

>> said, without giving details. He had been hospitalized since last month

and

>> suffered from a rare form of skin cancer, said Risa Zincke, his manager,

>> according to the Austria Press Agency.

>>

>> Zawinul won acclaim for his keyboard work on chart-topping Miles Davis

albums

>> such as "In A Silent Way" and "Bitches Brew," and was a leading force

behind

>> the so-called "Electric Jazz" movement.

>>

>> In 1970, Zawinul and saxophonist Wayne Shorter founded Weather Report

and

>> produced a series of albums including "Heavy Weather," "Black Market,"

"I

>> Sing the Body Electric," and the Grammy-winning live recording "8:30."

>>

>> He is credited with bringing the electric piano and synthesizer into the

>> jazz mainstream, but was frustrated by the lack of respect for electric

keyboards

>> and new technology among jazz purists.

>>

>> "There is no difference between a Stradivarius or a beautiful synthesizer

>> sound," Zawinul told Jazziz magazine earlier this year. "People make a

big

>> mistake in putting down electronic music. Yes, it's been misused and abused,

>> but that's true of every music.

>>

>> "There is nothing wrong with electronic music as long as you're putting

some

>> soul behind the technology."



>>  
>> Austrian Chancellor Alfred Gusenbauer praised Zawinul's "unpretentious way  
>> of dealing with listeners" and said he wasn't "blinded by superficialities."  
>>  
>> Born in 1932, Zawinul grew up in a working-class family during World War  
>> II in the Austrian capital. He played accordion on the streets to make  
money  
>> and received classical piano training as a child prodigy at the Vienna  
Conservatory.  
>> In the postwar years, he grew interested in American jazz, playing in  
a dance  
>> band that included the future Austrian President Thomas Klestil and making  
>> a name for himself on the local jazz scene in bands led by saxophonist  
Hans  
>> Koller and others.  
>>  
>> "One thing about Viennese musicians, they can really groove, more than  
even  
>> the German bands can," Zawinul said in a 2007 Downbeat magazine interview.  
>> "It's something in our nature, perhaps. We're cosmopolitan and interracial  
  
>>  
>> In 1959, Zawinul emigrated to the United States on a scholarship to study  
>> at the Berklee School of Music in Boston, but left to join Maynard Ferguson's  
>> big band. He next landed a gig with Dinah Washington; his funky piano  
can  
>> be heard on her 1959 hit "What a Diff'rence a Day Made."  
>>  
>> Zawinul rose to international fame after joining alto saxophonist Cannonball  
>> Adderley's band in 1961. During his nine-year stint with the band, he  
composed  
>> such tunes as "Walk Tall," "Country Preacher," and most notably the gospel-influenced,  
>> soul-jazz anthem "Mercy, Mercy, Mercy," his first important recording  
on  
>> electric piano, which climbed the pop charts and won a Grammy for Adderley.  
>>  
>> In the late '60s, Zawinul recorded with Davis' studio band, His tune "In  
&g

---

---

Subject: Re: Big Ben and DAC1  
Posted by [DJ](#) on Fri, 13 Jul 2007 12:52:48 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

t;> a Silent Way" served as the title track for the trumpeter's first foray  
into  
>> the electric arena. Zawinul's composition "Pharoah's Dance" was featured

>> on Davis' groundbreaking 1970 jazz-rock fusion album "Bitches Brew," which  
>> won Davis a 1970 Grammy for best jazz performance, large group or soloist  
>> with large group.  
>>  
>> Weather Report enjoyed its biggest commercial success with the 1977 album  
>> "Heavy Weather" which featured Zawinul's catchy tune "Birdland," which  
became  
>> one of the most recognizable jazz hits of the '70s after it was also recorded  
>> by Maynard Ferguson and the vocal group Manhattan Transfer.  
>>  
>> After Weather Report broke up in 1986, Zawinul went on to form The Zawinul  
>> Syndicate, which brought together a global village of musicians who recorded  
>> such albums as the Grammy-nominated "My People" (1996) and "World Tour"  
(1998).  
>>  
>> Associated Press Writer Charles J. Gans in New York contributed to this  
report.  
>>"Neil" <OIUOIU@OIU.com> wrote in message news:46e75617\$1@linux...  
>  
> "DJ" <animix \_ at \_ animas \_ dot \_ net> wrote:  
>>I really don't think you are supposed to be able to do this  
>>with Cubase. Isn't this some kind of exclusive  
> Nuendo "feature"?...Well,  
>>nonetheless, I'm doing it.  
>  
> No, it's a hardware thang, not Cubase-Nuendo thing... in fact,  
> it's in the Multiface manual - remember we were talking about  
> this once over the phone? And I also posted the info here once  
> for somebody else a few months back. I've tested it, but  
> personally I haven't had to do it yet on an actual session  
> because I run the stuff through my 2nd Multiface that I don't  
> need to show up in the headphone mix like a 2nd bass amp mic or  
> direct stream, a triggered kick or snare signal if I've also  
> got mics on 'em, ALL toms (since you get plenty of toms in the  
> OH's), etc. etc.  
>  
> Good for you for figuring it out though! If you need 576 inputs  
> to all be routed through the headphones, now you can do it!  
>  
> :D lol  
>  
> Actually, How many inputs are youse guys all using for full  
> band tracking? I've got 16 analog & 8 lightpipe (plus 2 stereo  
> SPDIF that are useless to me since I have no preamps with a  
> SPDIF output), and I've yet to use all of 'em at once, and I  
> always have at least two bass signal & at least two mics on  
> each guitar & sometimes a scratch vox. Now in the case of  
> someone like DeeJ who has 15 mics on each banjo, dobro, &

> washboard I can see where he'd need more :) but 16 analogs,  
> plus 4 lightpipe usually gits 'er done for me. Anyone?  
>  
> Neil

I'm using 26 AD/DA's here. That's enough for me.

;)Martin... my apologies if I've asked you this before, but I happened to stray across a radio spin of Kylie's "Love at First Sight" the other day, and I think I remember that you worked on that, right?

Did you work on the vocal sessions and/or do you know or recall what the signal chain was? Specifically I really like the treatment of the chorus parts that go "'Cause baby when I heard you, For the first time I knew, We were meant to be as one.....". The harmonies there sound absolutely HEAVENLY! :D and there's a certain something different about each of the voices in that section too, vs the lead part - it almost sounds like the old trick for some female voices of slowing down analog tape by a quarter or half-step to track the voice, giving it a certain kind of formant countour when played back at normal speed. Not saying that's what it is, just saying it has some of those same kind of characteristics.

Hadn't heard ths song in awhile & I know I always liked the vox on it, but it really just became more apparent, not having heard it in some time. So....

Dish it! lol Signal chain? Processing?

Neil"DJ" <animix \_ at \_ animas \_ dot \_ net> wrote:  
>I'm using 26 AD/DA's here. That's enough for me.

Why do you need so many cards, then? Is it for the external EFX routing & such?

Neil"TCB" <nobody@ishere.com> wrote:  
>

>SX 4 has a transient designer type plug-in but I haven't had a chance to check  
>it out yet. I will say this, for the money the voxengo stuff is usually spectacular.

I agree, and the only negative thing I can say about the Voxengo Transient thang (Transmodder)is that it really can't be used on cymbals, IMO - not if you're running all the drums including the OH's through a subgroup, anyway. Although if you

want to run all the drums through a submix group EXCEPT for cymbals, and THEN insert the Transmodder over that... Yummmm!  
lol

Can't really use it on the 2-buss, either, since obviously cymbals have to run through that as well. If anyone's found a Transmodder setting that DOES work on the 2-buss lemme know!

Thadster, let us know when you have a chance to check out the C4 TransDesigner! Is it also an application that can be obtained sparately from somewhere, do you know?

NeilNeil wrote:

> Jamie K

---

---

Subject: Re: Big Ben and DAC1  
Posted by [Rod Lincoln](#) on Fri, 13 Jul 2007 13:50:27 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

/www.genelennon.com/" target="\_blank">http://www.genelennon.com/

>

> Gene.

>Great read Gene, thanks.

Rob

"Gene Lennon" <glennon@NOSPmyrealbox.com> wrote in message  
news:46eb30b1\$1@linux...

>

> Some of you may remember the home page from my beloved website (screenshot  
> attached). A few months ago, under pressure, I rebuilt it as a standard

> self-promotion

> site.

>

---

---

Subject: Re: Big Ben and DAC1  
Posted by [Brad Lyons](#) on Fri, 13 Jul 2007 14:31:56 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

ed to start a Blog

> page. I though I would write down a few music industry stories that I

> remember

> from years past.

> The first one is about an early digital session I was evolved in. It was

> in 1978. If you have any interest in music industry history, you may find

> it interesting.  
>  
> A direct link to the blog is:  
> <http://tinyurl.com/2co5kv>  
>  
> The main website is:  
> <http://www.genelennon.com/>  
>  
> Gene.  
>Hi all

I was just wondering if this card is worth buying....got a line on one for \$100

thanks

DonI was out of town and missed the zip file No Limit Update..Can someone direct me to it.? ThanksGREAT site Gene. I always knew you was da man!!!!

Lou

"Gene Lennon" <[glennon@NOSPmyrealbox.com](mailto:glennon@NOSPmyrealbox.com)> wrote:

>  
>  
>  
>Some of you may remember the home page from my beloved website (screenshot  
>attached). A few months ago, under pressure, I rebuilt it as a standard  
self-promotion  
>site.  
>

>page. I though I would write down a few music industry stories that I reme

---

---

Subject: Re: Big Ben and DAC1  
Posted by [TCB](#) on Fri, 13 Jul 2007 14:45:37 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

mber  
>from years past.  
>The first one is about an early digital session I was evolved in. It was  
>in 1978. If you have any interest in music industry history, you may find  
>it interesting.  
>  
>A direct link to the blog is:  
><http://tinyurl.com/2co5kv>  
>  
>The main website is:

><http://www.genelennon.com/>  
>  
>Gene.  
>Never mind

"Don Nafe" <[dnafe@magma.ca](mailto:dnafe@magma.ca)> wrote in message [news:46ebd3d9\\$1@linux...](news:46ebd3d9$1@linux...)

> Hi all  
>  
> I was just wondering if this card is worth buying....got a line on one for  
> \$100  
>  
> thanks  
>  
> Don  
>"John" <[no@no.com](mailto:no@no.com)> wrote:  
>  
>You should hear the sheen at 1GHZ sample rate. WOW And when it's played  
>back through your FM radio where they smash the dynamics so much that it's  
>one huge smear of spectral shit, then you know all your hard work and money  
>was worth it.

Thing is, it doesn't cost you any more work OR money once you're in Native-land. Yeah, there is still SOME hardware that doesn't do 88.2k... like for example I wish my Presonus Central Station would (it does 96k, though, just not 88.2), so I could eliminate one more analog signal path between the convertors & the monitors; but, it's so clean that I can't even say that it would really matter much. As an aside, that little unit has probably been one of the best purchases I've made for my setup - I especially like the remote for it; having the talkback switch, mic & monitor level right there on the desktop is great - I used to have to set up a -57 on one of those little desktop stands & use a spare pre & turn the gain up & down when talking. In that scenario, sometimes it was simpler to just yell back & forth lol

>One of our FM stations has such a bad sound that it's totally unlistenable  
>for me. I don't know what they fuck they are doing but it is simply horrible.  
> And it's classic rock so I'm wanting to listen but they are just smearing  
>every part of the music that previously existed into one bit tunnel of goo.  
> Anyone else got radio stations that seriously destroy the sound ?

ABSOLUTELY! We have one here that does it. There's a wide variance in signal quality between any number of the radio stations here, a few sound OK and a couple sound like utter crap, but none of 'em really sound as good as what you hear in a

lot of major markets, either. Every time I travel somewhere else it becomes even more apparent - like I was in LA a few weeks ago, and even on the cheezy factory stereo in my Hyundai rental car, KLOS sounded great.

NeilKewl stuff, Geno! Enjoyable read.

Neil

"Gene Lennon" <glennon@NOSPmyrealbox.com> wrote:

 $\succ$  $\succ$ 

>

>Some of you may remember the home page from my beloved website (screenshot  
>attached). A few months ago, under pressure, I rebuilt it as a standard  
self-promotion  
>site.

 $\succ$ 

>page. I though I would write down a few music industry stories that I remember  
>from years past.

>The first one is about an early digital session I was evolved in. It was  
>in 1978. If you have any interest in music industry history, you may find  
>it interesting.

 $\succ$ 

>A direct link to the blog is:

><http://tinyurl.com/2co5kv>

 $\succ$ 

>The main website is:

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

 $\succ$ 

>Gene.

>"DJ" <animix at animas dot net> wrote:

>I'm not sure that it sounds that much better when it's downsampled, but I'm

>sure hearing a silkier top end at 88.2 than at 44.1 on my RME ADI8-DS units.

Thing is...

a.) NOW you know.

b.) Another thing to remember when considering your statement "not sure that it sounds that much better when it's downsampled" is this - your statement seems to indicate that it DOES sound SOMEWHAT better (even if not "MUCH" better). It's like I've said before... how much money have we all spent on incremental gains in one aspect or another?

IOW - you want to get this or that mic or preamp because it

will sound SOMEWHAT better than what I've got now. You want to drop a grand or two on a Mytek or Benchmark D/A convertors set because it will make my monitoring sound a little clearer/cleaner. You drop a few hundred on a Porkpie snare because it's just "that much" more articulate than the snare you've got. Or even something as inexpensive as hearing an Audix i5 and deciding that you like it much better than a -57 on a guitar cab, and so you go ahead & drop 89 bucks on one. These are examples of how we all go for, or have gone for, incremental gains - not even necessarily huge ones - and will spend anywhere from tens of dollars to thousands of dollars to do so. 88.2k represents an incremental gain you can have without costing you a dime.

c.) And finally... if it doesn't exist in your initial file (the raw, individual track files), then you absolutely know for certain that NOT ONE ASPECT of what doesn't exist there can exist in the final file... whether it be a higher-frequency content above 22k - the lower harmonics of which may be perceived, but ONLY if they exist in the first file - or a more accurate representation of a given sound to begin with, multiplied by ALL the sounds on there, which could translate to a more accurate representation of the entire amalgam of sounds, all the way down the conversion spectrum, to 44.1 wav, to mp3 at whatever bitstream rate the end user is listening to it on.

It's not about WOW THAT'S FUCKING WAY HUGE AMOUNTS BETTER when you listen to the end result at two-track-dithered-down-44.1, it's about being "incrementally better" - noticeably better. What if it's only (if you could put a number on it) five percent better? Ten percent better? Personally I think it's more than that, but every little sonic improvement you can get, makes a difference, yes?

NeilDear Mike ,  
congrats !!

I really believe that this effort is of great importance for all us Paris users and I do really appreciate that as all of us I guess !  
Please do not stop doing what's you doing and I am here to support and help if possible and buy of course if something will come out !  
Can you please try if possible update the eventer as maybe help sort out a kind of aliasing sound crackling in some high frequencies can occur especially with guitar sounds that are frequency limited ?!!  
Also could you change (maybe that is easier !!) the freak eq to be able TO CHOOSE the frequencies / ???  
Can you do a sample delay plugin for eds ??  
Just to compensate if needed when you don't use and DX or VST.  
That's for now and keep up the great work !!!



Thanks again.  
Dimitrios

"tonehouse" <zmcleod@comcast.net> wrote:

>I was out of town and missed the zip file No Limit Update..Can someone

>direct me to it.? Thanks

 $\vee$ 

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

>Heh.. you guys remember "drum drops" ?

ROFL!!! YES!!! The very first recording of my own material that I ever did was using Drum Drops! I didn't have a turntable at the time, so I asked a friend of mine to record the DD record onto a cassette for me, and there was one cut that worked well for a couple of songs I wanted to do, but it wasn't long enough so I recorded THAT cassette onto another cassette, stopped, cued-up the 2nd cassette (by playing back near the end & just hitting "stop") to my best guess at where a new entry point could be, backed up the first one, played into a few bars & started the 2nd cassette again in record (all this manually,

Subject: Re: Big Ben and DAC1

Posted by [Wayne Carson](#) on Fri, 13 Jul 2007 17:19:31 GMT

[View Forum Message](#) [Reply to Message](#)

[illegible]

Page 50 of 64 ---- Generated from The PARIS Forums

Subject: Re: Big Ben and DAC1  
Posted by [Neil](#) on Sat, 14 Jul 2007 02:05:54 GMT  
[View Forum Message](#) <> [Reply to Message](#)

ZmYwMDVhNWE1YTVhNWE1YTVhNWE1YWZmZmYwMDVhNWE1YTVhNWE1YTVhNWE1  
YWZmZmYwMGZmZmYwMGZmZmYwMDVhNWE1YTVhNWE1YTVhNWE1YTVh  
NWE1YTVhNWE1YTVhNWE1YWZmZmYwMGZmZmYwMGZmDQpmZjAwZmZmZjAwNWE1  
YTVhNWE1YTVhZmZmZjAwZmZmZjAwZmZmZjAwZmZmZjAwZmZmZjAwNWE1YTVh  
NWE1YTVhNWE1YTVhNWE1YTVhNWE1YTVhNWE1YTVhNWE1YTVhNWE1  
YTVhNWE1YTVhNWE1Y

[illegible]

Subject: Re: Big Ben and DAC1  
Posted by [audioguy\\_editout\\_](#) on Sat, 14 Jul 2007 06:33:26 GMT  
[View Forum Message](#) <> [Reply to Message](#)

YTVhNWE2MzYzNjM1YTVhNWE2MzYzNjM1YTVhNWE2MzYzNjM1YTVhNWE2MzYz  
DQo2MzVhNWE1YTYzNjM2MzVhNWE1YTYzNjM2MzVhNWE1YTYzNjM2MzVhNWE1  
YTYzNjM2MzVhNWE1YTYzNjM2MzVhNWE1YWZmZmYwMDVhNWE1YTYzNjM2MzVh  
NWE1YWZmZmYwMDVhNWE1YTYzNjM2MzVhNWE1YTYzNjM2MzVhNWE1YQ0KZmZm  
ZjAwNWE1YTVhNjM2MzYzNWE1YTVhZmZmZjAwNWE1YTVhNjM2MzYzNWE1YTVh  
NjM2MzYzNWE1YTVhZmZmZjAwNWE1YTVhNjM2MzYzMZmZjAwZmZmZjAwNWE1  
YTVhNjM2MzYzMZmZjAwNjM2MzYzNWE1YTVhNjM2MzYzNWENCjVhNWfMzmZm  
MDA1YTVhNWE2MzYzNjM1YTVhNWE2MzYzNjM1YTVhNWE2MzYzNjM1YTVhNWE2  
MzYzNjM1YTVhNWE2MzYzNjM1YTVhNWE2MzYzNjM1YTVhNWE2MzYzNjM1YTVh  
NWE2YjcZODRjZWNIY2VIzmY3ZmZmZmZmZmZlZmY3DQpmZmNIZjdmZmJkZGVI  
Zml1ZGVIZmJkZGVIZjAwMDBmZmJkZGVIZml1ZGVIZmJkZGVIZmJkZGVIZmJk  
ZGVIZml1ZGVIZmJkZGVIZmJkZGVIZmJkZGVIZml1ZGVIZmJkZGVIZml1ZDZI  
N2I1ZDZIN2E1Y2VIN2FkY2VIN2FkY2VINw0KYWRjZWU3YWRkNmU3YjVkNmU3  
YjVkNmU3YmRkZWVmYjVkZWVmYmRkZWVmYmRkZWVmYjVkNmU3YjVkZWVmOGNi  
ZGQ2NWE5Y2M2MZE5NGJKNDI4NGFKODRiNWQ2YWRjZWU3MDAwMDAwZDZkNmQ2  
ZDZkNmQ2YzZjNmM2YjViNWI1OWMNCjljOWM5YzljOWM4YzhjOGM5NDk0OTQ4  
YzhjOGMwMDAwMDAwMDAwMDA5NDk0OTQ4YzhjOGM5NDk0OTQ4NDg0ODQ4Yzhj  
OGM3YjdiN2I4NDg0ODQ3YjdiN2lwMDAwMDBIZmY3ZmZmZmZmZmZmZmZmZmZmZj  
NmU3ZjdHVGQ2ZTc4NDIjDQPiNTUyNzM4YzVhNzM3YjMxMzEzMTYzNjM2MzVh  
NWE1YTYzNjM2MzVhNWE1YTYzNjM2MzVhNWE1YTYzNjM2MzVhNWE1YTYzNjM2

Page 53 of 64 ---- Generated from The PARIS Forums



YTVhNWE1YTVhNWE1YTVhNWE1YTVhNWE1YTVhNWE1YTVhNWE1YTYzNmI3YmNI  
Y2VjZWVmZjdmZmZmZmZmZmZmU3ZWZmN2M2ZTdmN2I1ZDZlZmJkZGVlZmI1ZDZl  
N2JkZGVlZmI1ZDZlZmJkDQpkZWVmYjVkJmU3YmRkZWVmOGNiZGNIOTRjNmQ2  
NmI4NDljY2VkJmRIY2VkJmQ2ODQ4NDg0NDI0MjQyMDBjZWQ2ZGVmZmZmZmZj  
ZWQ2ZGVjZWQ2ZDZiZGRlZWZiZGU3ZjdjZWY3ZmZjZWY3ZmZiZGRlZWZiNWRI  
ZWZiZGRlZWZiZA0KZGVlZmJkZGVlZmI1ZGVlZmJkZGVlZjAwMDBmZmJkZGVl  
ZmI1ZGVlZmJkZGVlZmJkZGVlZmJkZGVlZmI1ZGVlZmJkZGVlZmJkZGVlZmJk  
ZGVlZmI1ZGVlZmJkZGVlZmJkZGVlZmJkZGVlZmI1ZGVlZmJkZGVlZmJkZGVl  
ZmJkZGUNCmVmYjVkJmZWVmYmRkZWVmYmRkZWVmOGNiZGQ2NDI4NGFkMjk3YmFk  
MzE4Y2JkNzNhZGM2OTRiZGRlNWE1YTVhOWM5YzljZTdlN2U3ZDZkNmQ2YzZj  
NmM2OWM5YzljYTVhNWE1OTQ5NDk0OTQ5NDk0OGM4YzhjOTQ5NDk0OGM4Yzhj  
DQo5NDk0OTQ4YzhjOGM5NDk0OTQ4YzhjOGM5NDk0OTQ4YzhjOGM4YzhjOGM2  
YjZiNmI2YjczODRjZWY3ZmZlZmY3ZmZmZmZmZmZmZjNmU3ZjdiNWQ2ZTc4NDlj  
YjU1MjcZOGM1YTczN2lzMtMxMzE2MzYzNjM1YTVhNWE2MzYzNjM1YQ0KNWE1  
YTYzNjM2MzVhNWE1YTYzNjM2MzVhNWE1YTYzNjM2MzVhNWE1YTYzNjM2MzVh  
NWE1YTYzNjM2MzVhNWE1YTYzNjM2MzVhNWE1YTYzNjM2MzVhNWE1YTYzNjM2  
MzVhNWE1YWZmZmYwMDVhNWE1YTYzNjM2MzVhNWE1YWZmZmYnNCjAwNWE1YTVh  
NjM2MzYzNWE1YTVhNjM2MzYzNWE1YTVhZmZmZjAwNWE1YTVhNjM2MzYzNWE1  
YTVhZmZmZjAwNWE1YTVhNjM2MzYzNWE1YTVhNjM2MzYzNWE1YTVhNjM2MzYz  
NWE1YTVhNjM2MzYzNWE1YTVhZmZmZjAwNWE1YTVhDQo2MzYzNjNmZmZmMDA2  
MzYzNjM1YTVhNWE2MzYzNjM1YTVhNWFmZmZmMDA1YTVhNWE2MzYzNjM1YTVh  
NWE2MzYzNjM1YTVhNWE2MzYzNjM1YTVhNWE2MzYzNjM1YTVhNWE2MzYzNjM1  
YTVhNWE2MzYzNjM1YTVhNWE2MzYzNjM1YQ0KNWE1YThjOWNhNWNiY2VjZWY3  
ZWZlN2VmZjdmZmVmZjdmZmJkZTdmN2JkZGVlZmJkZGVlZmJkZGVlZjAwMDBm  
ZmJkZGVlZmJkZGVlZmJkZGVlZmI1ZGVlZmJkZGVlZmJkZGVlZmJkZGVlZmI1  
ZGVlZmJkZGVlZmJkZGVlZmJkZGUNCmVmYjVkJmZWVmYmRkZWVmYmRkZWVmYmRk  
ZWVmYjVkJmZWVmYmRkZWVmYmRkZWVmYmRkZWVmYjVkJmZWVmYmRkZWVmYmRkZWVm  
YmRkZWVmYjVkJmZWVmYmRkZWVmYmRkZWVmOGNiZGQ2NDI4NGFkMjk3YmFkMzE4  
Y2JkNzNhZGM2OTRiZGRlDQo1YTVhNWE5YzljOWNIN2U3ZTdkNmQ2ZDZjNmM2  
YzY5YzljOWNhNWE1YTU5NDk0OTQ5NDk0OTQ4YzhjOGM5NDk0OTQ4YzhjOGM5  
NDk0OTQ4YzhjOGMwMDAwMDAwMDAwMDAwMDAwMDA4YzhjOGM4YzhjOGM2YjZi  
NmI2YjczODRjZQ0KZjdmZmVmZjdmZmZmZmZmZmM2ZTdmN2I1ZDZlNzg0OWNi  
NTUyNzM4YzVhNzM3YjMxMzEzMTYzNjM2MzVhNWE1YTYzNjM2MzVhNWE1YTYz  
NjM2MzVhNWE1YTYzNjM2MzVhNWE1YTYzNjM2MzVhNWE1YTYzNjM2MzVhNWE1  
YTYzNjMNCjYzNWE1YTVhZmZmZjAwNWE1YTVhNjM2MzYzNWE1YTVhZmZmZjAw  
NWE1YTVhNjM2MzYzNWE1YTVhNjM2MzYzNWE1YTVhNjM2MzYzZmZmZjAwNjM2  
MzYzNWE1YTVhNjM2MzYzNWE1YTVhNjM2MzYzZmZmZjAwNjM2MzYzNWE1YTVh  
DQo2MzYzNjNmZmZmMDA2MzYzNjM1YTVhNWE2MzYzNjM1YTVhNWE2MzYzNjNm  
ZmZmMDA2MzYzNjM1YTVhNWE2MzYzNjM1YTVhNWFmZmZmMDA1YTVhNWE2MzYz  
NjM1YTVhNWE2MzYzNjM1YTVhNWE2MzYzNjM1YTVhNWE2MzYzNjM1YQ0KNWE1  
YTYzNjM2MzVhNWE1YTYzNjM2MzVhNWE1YTYzNjM2MzVhNWE1YTYzNjM2MzVh  
NWE1YTYzNjM2MzVhNWE1YTYzNjM2MzVhNWE1YThjOWNhNWNiY2VjZWY3ZWZl  
N2VmZjdmZmVmZjdmZmJkZTdmN2JkZGVlZmJkZGVlZmJkZGUNCmVmYjVkJmZWVm  
YmRkZWVmYmRkZWVmYmRkZWVmYjVkJmZWVmOTRjNmQ2OGNjNmQ2NzM4Y2E1Y2Vk  
NmQ2Y2VkJmRIODQ4NDg0NDI0MjQyMDBjZWQ2ZDZmZmZmZmZjZWQ2ZDZjZWQ2  
ZGVlNWQ2ZWZjNmU3ZjdjNmVmZjdmZWY3ZmZiNWQ2DQplZmJkZGVlZmI1ZDZl  
N2JkZGVlZmI1ZDZlZmJkZGVlZmI1ZDZlNzAwMDBmZmI1ZDZlZmJkZGVlZmI1  
ZDZlN2JkZGVlZmI1ZDZlZmJkZGVlZmJkZGVlZmNlZjdmZmM2ZjdmZmVmZjdm

Subject: Re: Big Ben and DAC1  
Posted by [Nil](#) on Sat, 14 Jul 2007 22:38:43 GMT  
[View Forum Message](#) <> [Reply to Message](#)

Page 55 of 64 ---- Generated from The PARIS Forums

ZWVmYjVkJZWVmYmRkZWVmYmRkZWVmOTRjNmQ2OGNiZGQ2NmM4Y2E1Y2VkNmQ2  
Y2VkNmRIODQ4NDg0NDI0MjQyMDBjZWQ2ZDZmZmZmZmZjZWQ2ZDZjZQ0KZDZk  
ZWI1ZDZIN2M2ZTdmN2M2ZjdmZmNlZjdmZml1ZDZIN2JkZGVIZml1ZDZIZmJk  
ZGVIZml1ZDZIN2JkZGVIZml1ZDZIZmJkZGVIZml1ZDZIN2JkZGVIZml1ZDZl  
ZmJkZGVIZml1ZDZIN2JkZGVIZml1ZDZIZmJkZGVIZml1ZDYNCmU3YmRkZWVm  
YjVkJmVmYmRkZWVmYjVkJmU3YmRkZWVmYjVkJmVmYmRkZWVmYjVkJmU3YmRk  
ZWVmYjVkJmVmYmRkZWVmYjVkJmU3YmRkZWVmYjVkJmVmYmRkZWVmYjVkJmU3  
YmRkZWVmYjVkJmVmYmRkZWVmYjVkJmU3YmRkZWVmDQpiNWQ2ZWZiZGRIZWZi  
NWQ2ZTdiZGRIZWZiNWQ2ZWZiZGRIZWZiNWQ2ZTdiZGRIZWZiNWQ2ZWZiZGRi  
ZWZiNWQ2ZTdiZGRIZWZiNWQ2ZWZiZGRIZWZiNWQ2ZTdiZGRIZWZiNWQ2ZWZi  
ZGRIZWZiNWQ2ZTdiZGRIZWZiNWQ2ZWZiZA0KZGVIZml1ZDZIN2JkZGVIZml1  
ZDZIZmJkZGVIZml1ZDZIN2JkZGVIZml1ZDZIZmJkZGVIZml1ZDZIN2JkZGVI  
Zml1ZDZIZmJkZGVIZml1ZDZIN2JkZGVIZml1ZDZIZmJkZGVIZml1

---

---

Subject: Re: Big Ben and DAC1  
Posted by [BradLyons](#) on Sat, 14 Jul 2007 22:45:50 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

ZDZIN2Jk  
ZGVIZml1ZDZIZmJkZGVIZml1ZDYNCmU3YmRkZWVmYjVkJmVmYmRkZWVmYjVkJm  
NmU3YmRkZWVmYjVkJmVmYmRkZWVmYjVkJmU3YmRkZWVmYjVkJmVmYmRkZWVm  
YjVkJmU3YmRkZWVmYjVkJmVmYmRkZWVmYjVkJmU3YmRkZWVmYjVkJmVmYmRk  
ZWVmYjVkJmU3YmRkZWVmDQpiNWQ2ZWZiZGRIZWZiNWQ2ZTdiZGRIZWZiNWQ2  
ZWZiZGRIZWZiNWQ2ZTdiZGRIZWZiNWQ2ZWZiZGRIZWZiNWQ2ZTdiZGRIZWZi  
NWQ2ZWZiZGRIZWZiNWQ2ZTdiZGRIZWZiNWQ2ZWZiZGRIZWZiNWQ2ZTdiZGRi  
ZWZiNWQ2ZWZiZA0KZGVIZml1ZDZIN2JkZGVIZml1ZDZIZmJkZGVIZml1ZDZl  
N2JkZGVIZml1ZDZIZmJkZGVIZml1ZDZIN2JkZGVIZml1ZDZIZmJkZGVIZml1  
ZDZIN2JkZGVIZml1ZDZIZmJkZGVIZml1ZDZIN2JkZGVIZml1ZDZIZmJkZGVI  
Zml1ZDYNCmU3YmRkZWVmYjVkJmVmYmRkZWVmYjVkJmU3YmRkZWVmYjVkJmVm  
YmRkZWVmYjVkJmU3YmRkZWVmYjVkJmVmYmRkZWVmYjVkJmU3YmRkZWVmYjVkJm  
NmVmYmRkZWVmYjVkJmU3YmRkZWVmYjVkJmVmYmRkZWVmYjVkJmU3YmRkZWVm  
DQpiNWQ2ZWZiZGRIZWZiNWQ2ZTdiZGRIZWZiNWQ2ZWZiZGRIZWZiNWQ2ZTdi  
ZGRIZWZiNWQ2ZWZiZGRIZWZiNWQ2ZTdiZGRIZWZiNWQ2ZWZiZGRIZWZiNWQ2  
ZTdiZGRIZWZiNWQ2ZWZiZGRIZWZiNWQ2ZTdiZGRIZWZiNWQ2ZWZiZA0KZGVI  
Zml1ZDZIN2JkZGVIZml1ZDZIZmJkZGVIZml1ZDZIN2JkZGVIZml1ZDZIZmJk  
ZGVIZml1ZDZIN2JkZGVIZml1ZDZIZmJkZGVIZml1ZDZIN2JkZGVIZml1ZDZl  
ZmJkZGVIZml1ZDZIN2JkZGVIZml1ZDZIZmJkZGVIZml1ZDYNCmU3YmRkZWVm  
YjVkJmVmYmRkZWVmYjVkJmU3YmRkZWVmYjVkJmVmYmRkZWVmYjVkJmU3YmRk  
ZWVmYjVkJmVmYmRkZWVmYjVkJmU3YmRkZWVmYjVkJmVmYmRkZWVmYjVkJmU3  
YmRkZWVmYjVkJmVmYmRkZWVmYjVkJmU3YmRkZWVmDQpiNWQ2ZWZiZGRIZWZi  
NWQ2ZTdiZGRIZWZiNWQ2ZWZiZGRIZWZiNWQ2ZTdiZGRIZWZiNWQ2ZWZiZGRi  
ZWZiNWQ2ZTdiZGRIZWZiNWQ2ZWZiZGRIZWZiNWQ2ZTdiZGRIZWZiNWQ2ZWZi  
ZGRIZWZiNWQ2ZTdiZGRIZWZiNWQ2ZWZiZA0KZGVIZml1ZDZIN2JkZGVIZml1  
ZDZIZmJkZGVIZml1ZDZIN2JkZGVIZml1ZDZIZmJkZGVIZml1ZDZIN2JkZGVI  
Zml1ZDZIZmJkZGVIZml1ZDZIN2JkZGVIZml1ZDZIZmJkZGVIZml1ZDZIN2Jk  
ZGVIZml1ZDZIZmJkZGVIZml1ZDYNCmU3YmRkZWVmYjVkJmVmYmRkZWVmYjVkJm  
NmU3YmRkZWVmYjVkJmVmYmRkZWVmYjVkJmU3YmRkZWVmYjVkJmVmYmRkZWVm



Subject: Re: Big Ben and DAC1  
Posted by [BradLyons](#) on Sat, 14 Jul 2007 22:46:26 GMT  
[View Forum Message](#) <> [Reply to Message](#)

Subject: Re: Big Ben and DAC1  
Posted by [Neil](#) on Sun, 15 Jul 2007 15:26:22 GMT  
[View Forum Message](#) <> [Reply to Message](#)

Subject: Re: Big Ben and DAC1  
Posted by [DJ](#) on Sun, 15 Jul 2007 16:34:02 GMT



I see it as more than just hardware and software, because it is more than just hardware and software, but you don't get that. You also don't get that the hardware and software are higher end. Some people get that.

>

>Why is it so many Mac users can't seem to have an objective discussion?

>Answer that honestly before

>you go calling anyone else a Mac basher. Mac users here aren't the only

>ones I deal with - seems to be a disease of

>defensiveness you get when you buy one, but it's uncanny, seriously uncanny

>and sad. That's how monopolies and bully

>companies are built - blindly loyal customers. Be careful, you may get what

>you never wished for.

>

Why do you and others here bash the Mac as soon as there is a discussion?

it's unnecessary. Personally I would prefer that we change the discussion!

But hey, throw some more gas on the fire. Keep making insults and make sure you get personal. Monopolies and bullies? Open your eyes and look at your beloved Microsoft! There is a long history there. Apple started this whole thing by innovating and creating. All Microsoft can do is copy, steal, and bully. Get real! who's a blindly loyal customer? I use both, how about you?

>Yet again, for the 11234098340th time you didn't read what I (or anyone

>else) writes and you assume we are bashing. We try to have logical

>discussions here, but you take everything as a slight on your beloved Apple.

>This alone makes me want to avoid Apple products like the plague. You've

>pretty much dominated the computer discussions here that used to be useful,

>but not so much anymore. Every computer discussion gets turned into an

>Apple advertisement, so yes, we will defend our points of view, but only

>because we get inundated by your Apple mantra every time the words PC, Mac,

>Apple, microsoft or computer come up in a thread.

>

No, I know your bashing, and others here also know your bashing, but they choose to stay out of it. No, every-time any thing mac is mentioned you and a few others that don't even have much experience with current Macs,

take pot shots, spew untruths, and get down right insulting, like you are right now!

>Why don't you go to

---

---

Subject: Re: Big Ben and DAC1  
Posted by [DJ](#) on Mon, 16 Jul 2007 06:19:29 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

rts below each

>> for

>>>> us

>>>> to compare.

>>>>

>>>> On 9/20/07 11:56 PM, in article 46f35d11\$1@linux, "James McCloskey"

>>>> <excelsm@hotmail.com> wrote:

>>>>

>>>>>

>>>>> Dedric, you say that a Mac cost 40-50% more, I don't think that is

>>>>> accurate

>>>>> if your talking about off the shelve computers. It's these kind of

>> blanket

>>>>> statements that make me want to set things strait. Here 's the

>>>>> challenge,

>>>>> go price the same configuration from Dell and HP. Let see how far  
off

>>>> the

>>>>> pricing is.

>>>>>

>>>>> Let's start at the top, these are Apple's standard configurations.

>> The

>>>> only

>>>>> thing I've changed is the processors. By the way, Dell just came  
out

>>>> with

>>>>> 3.2 GHz machines this week, so stick to the 3.0 GHzs. I'm sure Apple

>>>> will

>>>>> be upgrading processor speeds soon. I think they won't be as far  
off

>>>> as

>>>>> you think they are.

>>>>>

>>>>> \$2499.00 or \$59.00 a month

>>>>> Two 2.66GHz Dual-Core Intel Xeon "Woodcrest" processors

>>>>>

>>>>> Woodcrest 2.66GHz: 2 x \$721 = \$1442

>>>>>  
>>>>> MSI 5000X dual socket 771 Server board (2xPCIe, 2xPCI-X, 1xPCI): \$400  
>>>>>  
>>>>> Antec 550W power supply: \$100  
>>>>>  
>>>>> Coolermaster case: \$60  
>>>>>  
>>>>>> 1GB memory (667MHz DDR2 fully-buffered DIMM ECC)  
>>>>> Crucial DDR667 1G (2x512): \$34.99  
>>>>>  
>>>>>> NVIDIA GeForce 7300 GT graphics with 256MB memory  
>>>>> \$70 (middle of the price range between Chaintech and EVGA or Asus)  
>>>>>  
>>>>>> 250GB Serial ATA 3Gb/s 7200-rpm hard drive1  
>>>>> Seagate SATA 3Gb/s, 250G: \$80 (Hitachi: \$67)  
>>>>>  
>>>>>> 16x double-layer SuperDrive  
>>>>> Plextor 18x burn, DL, CD/DVD burner: \$40  
>>>>>  
>>>>>> Apple Keyboard and Mighty Mouse  
>>>>> Basic keyboard and mouse: \$30  
>>>>>  
>>>>>> Mac OSX and a software bundle including iLife '08  
>>>>>  
>>>>> WinXP Pro: \$139 (builder/OEM price)  
>>>>>  
>>>>> Total separate parts price: \$2326  
>>>>>  
>>>>> I went higher on the drive, DVD writer and memory than I believe  
>>>>> MacPros  
>>>> do,  
>>>>> so you could take another \$75-\$100 off the final price. The video  
card  
>>>> is  
>>>>> mid-range so that should be comparable, if not also a little higher  
  
>>>>> than  
>>>> a  
>>>>> Mac Pro's card. The motherboard I chose also has 5 PCI/e/X slots vs.  
>> 3  
>>>> on  
>>>>> the Mac Pro.  
>>>>>  
>>>>>> So the Mac Pro isn't far off the same PC system, but it would still  
be  
>&

---

---

Subject: Re: Big Ben and DAC1  
Posted by [Gantt Kushner](#) on Mon, 16 Jul 2007 07:32:44 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

gt;>>> useful to know what make/model memory, drives, and motherboard are in  
>> use  
>>>>> (the latter being unknown/custom retrofitted with the OS dongle chip).  
>>>>>  
>>>>> Also a head to head comparison of the same app (Nuendo 4 might be the  
>>>>> first/best choice for that) running performance tests on the same  
>>>>> hardware,  
>>>>> OSX vs. WinXP would be quite informative.  
>>>>>  
>>>>> Regards,  
>>>>> Dedric  
>>>>>  
>>>>>>  
>>>>>>  
>>>>>> \$3,298.00  
>>>>>> Two 3.0GHz Dual-Core Intel Xeon "Woodcrest" processors  
>>>>>> 1GB memory (667MHz DDR2 fully-buffered DIMM ECC)  
>>>>>> NVIDIA GeForce 7300 GT graphics with 256MB memory  
>>>>>> 250GB Serial ATA 3Gb/s 7200-rpm hard drive1  
>>>>>> 16x double-layer SuperDrive  
>>>>>> Apple Keyboard and Mighty Mouse  
>>>>>> Mac OSX and a software bundle including iLife '08  
>>>>>>  
>>>>>> \$3,997.00  
>>>>>> Two 3.0 Quad-core intel Xeon  
>>>>>> 1GB memory (667MHz DDR2 fully-buffered DIMM ECC)  
>>>>>> NVIDIA GeForce 7300 GT graphics with 256MB memory  
>>>>>> 250GB Serial ATA 3Gb/s 7200-rpm hard drive1  
>>>>>> 16x double-layer SuperDrive

---

---

Subject: Re: Big Ben and DAC1  
Posted by [Aaron Allen](#) on Mon, 16 Jul 2007 12:22:05 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

>>>>>>>>> traction there) having their machines in a Best Buy or Wal-Mart  
>> or  
>>>>>>>>> whatever  
>>>>>>>>> would certainly shift some units. The Apple stores are nice,  
but  
>>>> it's  
>>>>>>>> not  
>>>>>>>>> like there's one in every mall in America. But as you say, they

>> want  
>>>>>>> to  
>>>>>>>> protect  
>>>>>>>>> their cool factor and diluting the 'Mac experience' by mixing  
  
>>>>>>>>> with  
>>>>> the  
>>>>>>>  
>>>>>>>>> plebes  
>>>>>>>>> won't enhance that and might detract from it. Think Debian,  
>>>>>>>>>  
>>>>>>>>> TCB  
>>>>>>>>>  
>>>>>>>>> "Chuck Duffy" <c@c.com> wrote:  
>>>>>>>>> In response to this article:  
>>>>>>>>>  
>>>>>>>>> <http://www.247wallst.com/2007/09/apple-keeping-m.html>  
>>>>>>>>>  
>>>>>>>>> Analysts are so short sighted it borders on the absurd.  
>>>>>>>>> What's the production cost of an Armani suit? 50 bucks? Do  
you  
>>>> think  
>>>>>>>  
>>>>>>>>> Armani  
>>>>>>>>> is going to get in bed with WalMart. No freaking way.  
>>>>>>>>> As tech heads we continually are mystified about component cost

---

---

Subject: Re: Big Ben and DAC1  
Posted by [BradLyons](#) on Tue, 17 Jul 2007 01:36:52 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

1Xx66fE4Ljf7fdvnsNxcyxm9is+csm77Mv0EXenReKQsuOUjG3J04BeX95WY  
PMzG6NN19c3G60d+CRli4XFPmrJ1ZN29KFM3tnxE8quISua0/pjMuBnq0S/c  
mqYrH91+l/w8J+V6jkou8sqJurrWubW1oazZwGCUyL3xyNvA03HuxkNe34lw  
XLm7YFHUvj1VMNcrwvCzTz7EFy8SpcQ8oY+fu6F2K7F0Q4G5f6xpXR79Pmey  
wZwbNTvWrnU7uZdpjjU91GQ6pldRKJbXaPVq7aq29AxSy6XOLEuR1T7vuU8r  
S6OLhnTR26V+47eSpLQZhw85RDcuS2kKZuOlvdacFR8svfGSEbe8b8h86K5v  
EBczvZ9F2JmD58a+XsoU1X7oN2uMGzkovTwoLGxguJZXyR XKSt3cAz3Tlaa  
Pd53u2SI7/wdRhc278SeV9F7snyJF3J2h3X6l1x2fLh009TDR+/Khl60svpL  
ycKxs8POFr3adOh9wZ0mnc+Tgif4v341oFvEpfvcltSMEcGb688ZNbMj4i67  
HYxJvxfxzx/tae16W3Vwgk7bL60mQQkIG9uKF7n7PO5U0MKxHsbbb658rlOX  
+XSkIXVfZdcov8DEqPV+3TX6vx6WaFMUpljXkG2/oLZCb1aVdazpkXn9wmPs  
4v0dN+e2L7u2L4Cv8Fx7UcPgeKRwSPyIQbmM+/B+h5reBdHup63SXvaa8SjM  
fW78Jh0bTWOtEZ6VixYm6Yw0k5bcCc7w8ot+qas4ZfKu4UNqjFleuM2cmlxQ  
eqpdf0dj7Zz6mpJ7c1PMl1Xd33an9aN4UoVvDmG7RCe0bNbJstZ3b45ZjnzR  
+07PM0E7jIT522RpvN/hL5n3+pxQwTWq9FS5Z+aDQM2eoe013l3PfamypHZb



Tdgxy8YGIg9sTI+U+JvPK4yTKj4bhZbE2vkJZk+0OJcY9SxTU2tN7a+jL5G5  
TMm7RWInrSb4p5Y49Jy80UtzU/aFlzz8cu1ZgPrNLOjzM1YNZUTZcEHV84s  
mxfuzH788FkpwvZTKDlwU3rRlBsVypnBODzATUnncypPlwdbHyrzYTWLK9+F  
ZlrVNCdvunL2wS31J2eppqL8+ppA9pANS2zt9Lq3K4sv2VVnPtR6uKztqNqp  
luWn62HLp927BxPvnnnT1yFASXfX8Jnnkvy96o4+Od7+7nEun/LM45I55gPL  
Gak2mpofjKtyfvWtb8qxSxcFozvDIIntsux1xvYnRU121LKboS22NU72kZd7J  
JVqGjWXBA5Pa32dHPaGLi3VOCI3CvZMnL+hzJki040zFDPMS09tah87aKy3Z  
UjvNJvPh2aPkhK3tJ4VKK4UhwRGm1xutop6UHq3/VfuZx6/S80cMRnmetmpa  
fDVraZ1x6MKxQ56rtxdfLX9b5P4pNDtuxqGiNcue1A1oyr778p5mXNGXKxnf  
i9rJw+UNpVU+JY1WF2bVHLCZ6OZBzo96kh11VW9P+tY1ozxPJt1YVsU3Xylz  
vdlvMtJcvjv8c0agMmKrFo6/s7E+cV7Qz/55vLd3/77Hprvm3L18vsDCWHdd  
0vZJ65Ytm/90ktaw+vkT5sRvOiZyqy++uhX/sl/seniPKDjTiuu1tq7h9IT1  
UnTj7Hh1+bJHKQNYKyILM7xuhr87EzH0jsaxdW0XVMLGNtfeOjvVvkd2ram7  
M2Cc99b77T8fXXnzTAa3fFIRBiGnfqUxOzveRkm09u7Q60N7xL8PMokv1370  
almO9fkJcqbogB4xpudfm+113vTw0VR9cb6tAzf4joZgxDVxUcMLk5Np2gJj  
u+KAIsJBaKi0KqjZW5iUpg+59CDk70F01KvHdw2f1fxM9+UGlv6hTmZynna  
YwPTnybUnj5+0klw437L535JtacbJhHXfat9to4NSs1KtM/cdGRpXh97U230  
iKbROo2utrEabo3eINMzdKvk9PCm0N2jux72eXFW2/pVmVkv6fjiZ7WHvuRY  
XPAv1LU/z0vlgmLfU8OlX0215wXnG/s+ECcNy9I3zU/YP0Jjhw7cmt7oEjPq  
5kHLtgMLSt0yFa4unt92Mqd+aMKaeBW52n2zXwVNaLTJfm8eaZSgibYWXQoK  
TAowmvTg7vHMeu/uM/vzEhUD0fJl5Lr0aL9x18tq0ozMH79fF9ofv2xUcjrU  
9fCHAYtaXSfIK4/yjPLKeg61bNFMdTVekbXjt0HODXJrby/8otn4ft3c+DQL  
94chlJGe5aOL5XzT+ta+M9X2DH7qO+FA4r1b5UFOiEBtv5FnQMUJEd7g3k+g  
tjQsvPhuekJJo6QhY1aLvV8oJ40N4jluNrKH7jKhj/JSxvmkP/00QrxMvjRp  
u4BeLa2qEZ1Zlcb+mPN/I2NKDuiRX3hZ//Z29bvDirZixY0noplu2NqWqXVT  
zsw+1t81Ksbps/vU8qRqq1M1qzOn+TpebP68oe2pWV+PIDtYki9KKuTnxRxxq  
FXnULx398F3qzWaDIepP/o7GvIJ9B05ImUyQ3Wu0CqJ+O7G1VvBO3y5p+6Hs  
wclFlvNfqBv02ikt7l4csHq4dnCO9SKVQv2zSo0t7OWSALu5azzSFDeczjZQ  
+aW9RCc4pyrWNMfay4syx6+OKZxlsGu3xQmFZxdsvZesONlvPvm3n1dQs3Jy  
SH2TnH7Q2Gm+gqyhV830d+2OLahWIJNO2Oty9faL2sasmstet7cHHLV+3ZyR  
1D+2JjBk1bRG96Ak5/sOR15E+ofYeK5be6fhtWZu21mXG21JSD6xcMc6Leed  
zJVTwtB56van+wVPmW99PxLvKugGdtDeMHxx/Oa70MljKq5R719Uto8/F9rk  
/HCp5zGXG92ZrbXX9JdOSUmscQPT9gfTnjj8unpX0xCXJ2MfvrtBZavbQu7  
6zBuWU6SNLEXVGy5ATe4fIM0ozLpwsevl1/bkYWb/16muu5NuJf07YhPW537  
yS+3iCqtXWYWP7qroPxWibygj8asxgyjhlsagvH6Hj0FfQakBFluNotTWJ74  
NbiV+QHhv5jxwAf0eOcpv6UnWXtS/C7GOWHns6DW2Q9X5irkWOuEZKj7NicO  
23BkU/JEJ/+3LqtEe8gzUR8buB57FHTWF4ZoL7he1yfXcP5K8Ekrz4SFPIOS  
V32Zv+742X3Mu7pJ5jczg1Z6UMM/nFLMG/OyZeLuLG1wLa/bMq0mXP1Fv8yN  
WEbKvz197kbThukvqOVF6xPGZqW0hHBzjeZIVpbNP7Ql8dh823G/XoKwXNe+  
y6xY2Hjk0tNGccjRS5IDzgUVL1FmcnOdF1twznoe5avdMq08uN3Fzxr7Dp76  
usj614OJ/IHdv0y+n+vy7IGh+iiLymgrD83F0Sd81dOdbpNGN0Me7A6YXfuk  
yGHTjOLbQXfDb5s6zd2VmfUlfuuCvTeUex+8mHsxxdFm/AedGG744zauQHxU  
2ReDjkiTH7Ktew3U6p7jv3lev+gw7PPFEIM6g5fnj9qc7F2e96U0uo5dbG2a  
PuL0wSIHi60j1Wz85qW3ZT3+crdyysjrKxRDwv3ct+1+5mIQvC3F6Nql2Vn9  
8XFP6S3L9alccmfu0opKyqi4WBk5M/W28SODRL2MOSLWesNE4q1KwuhBNUn3  
sPYphgf7YJvVpSmzP

---