
Subject: IDL and 64bit Linux

Posted by [Nigel Wade](#) on Thu, 19 Aug 2004 08:19:44 GMT

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We are in the process of finding a replacement for our ageing Origin 2000 system. One absolute requirement is that it be able to run IDL.

We are looking at SMP systems and 2 likely contenders are the Sun Fire V40z (hopefully an 8 processor version will be available sometime) and the sgi Altix 350. The Sun Fire uses Opteron and the Altix Itanium 2, neither of which is supported by IDL.

I've mailed RSInc to ask them if they are likely to include support for either on Linux in the near future, but so far I've not received any reply at all.

So, I'm hoping that someone here might have tried IDL on one of these platforms, to test the water, and can tell me whether it runs, and if so, how well it performs against a 32bit processor (I'm concerned that the Itanium has no native 32bit capability and may run IDL very slowly in 32bit emulation, the Opteron is very much an unknown quantity).

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Subject: Re: IDL and 64bit Linux

Posted by [K. Bowman](#) on Thu, 19 Aug 2004 19:25:50 GMT

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In article <pan.2004.08.19.19.05.16.677505@as.arizona.edu>,
JD Smith <jdsmith@as.arizona.edu> wrote:

> By 64bit double, I mean 64bit floats (some call them quadruples). Is
> anyone using 64bit integer or floating-point arithmetic directly? IDL
> currently has no "quadruple" support, as far as I can tell.

Right, I do use 64-bit ints and floats (3LL and 3.0D0), but not 128-bit ints or floats (quads).

Ken
