Subject: Re: BYTES to LONG
Posted by Kelly Dean on Thu, 09 Nov 2000 08:00:00 GMT
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I'll try your suggest. However, so far, floats produced by TOTAL hasn't been a problem yet with the handful of sample files I have worked on.

Your right, there is a ENDIAN issue. Especially on the Windows 2000 machine I am currently working on. I solved this by using IDL's OPENR keyword - SWAP_ENDIAN.

Thanks for the tip,

Kelly

Craig Markwardt wrote:

> Kelly Dean <krdean@lamar.colostate.edu> writes:
>
>> Thanks Paul,
>>
>> Your suggestion solved my problem.
>>
>> long_x = TOTAL(ISHFT(LONG(x), [24,16,8,0]))
>
> Hi Kelly--
>
> While this may seem to work, I agree with JD that this is a bit
> dangerous since it converts to floating point. The expression
>
> long_x = long(x, 0, 1)
>
> should produce the same, and correct, result, without invoking any
> floating point conversions. However you may have to worry about
> so-called "endian" issues, that is byte ordering differences between
> machines. A routine in the IDL Astronomy Library like IEEE_TO_HOST
> should be able to help you there.
>
> Craig
>
> --
> ----------
> Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
> Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
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