
Subject: Re: 32bit to 64bit conversion

Posted by [Tapuosi Lotoaniu](#) on Wed, 13 Aug 2003 08:30:16 GMT

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The real data values can be +/- float, integer, etc .. However the data are stored to file only as 32 bit +ve integers. Anyway it does not matter cause I worked it out.

On 7 Aug 2003, Craig Markwardt wrote:

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>
> Tapuosi Lotoaniu <lotoaniu@atmos.ucla.edu> writes:
>
>> Hi all,
>>
>> I have data in the form big endian 32 bit positive integer (31 bit data
>> with extra most significant bit set to zero). I want to import this data
>> into idl 5.5 running on a sunblade 64 bit Unix machine.
>>
>> The IDL code (written for 32 bit PC) seems to work fine if the data is
>> positive but the negative values are not coming out right.
>
> If you have all positive integers (see 1st paragraph), then why are
> concerned about negative values? (see 2nd paragraph).
>
> Since IDL data types have a specific byte-size, I think you should be
> able to read a LONG integer generated on one machine into another
> machine, regardless of the native processor word size. Of course, you
> should open the file with the correct endianness keywords to OPENU.
>
> Good luck,
> 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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