
Subject: Re: 32bit to 64bit conversion

Posted by [Craig Markwardt](#) on Thu, 07 Aug 2003 05:07:28 GMT

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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

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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