
Subject: Re: Q: IDL and endianness issues

Posted by [Liam E. Gumley](#) on Tue, 11 Apr 2000 07:00:00 GMT

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> Ossi Vaananen wrote:

>> Hi!

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>> the file is written on a little-endian machine. Then I want
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>>

>> The question is, does there exist a built-in feature in IDL
>> that somehow allows endianness-specified file I/O?

You might want to check out the following:

<http://cimss.ssec.wisc.edu/~gumley/binarytools.html>

Cheers,
Liam.

Subject: Re: Q: IDL and endianness issues

Posted by [Paul van Delst](#) on Tue, 11 Apr 2000 07:00:00 GMT

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Ossi Vaananen wrote:

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yes. You can use the swap_endian function or the swap_endian keyword to the open command.

--

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Subject: Re: Q: IDL and endianness issues
Posted by [Ed Santiago](#) on Tue, 11 Apr 2000 07:00:00 GMT
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Use the SWAP_IF_ options to OpenR:

```
OpenR, lun, fname, /Get_Lun, /Swap_If_Big_Endian  
foo = ULonArr(1024) ; or a struct, or floats, or whatever  
ReadU, lun, foo
```

Have fun,
^E

--

Eduardo Santiago Software Type esm@nospam.lanl.gov RKBA!

Subject: Re: Q: IDL and endianness issues
Posted by [John-David T. Smith](#) on Tue, 11 Apr 2000 07:00:00 GMT
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>

Take a look at `byteorder()` or `swap_endian()`. For best results, use the nasa routines `ieee_to_host` and `host_to_ieee`.

Good luck,

JD

--

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Ithaca, NY 14853 |*|

Subject: Re: Q: IDL and endianness issues
Posted by [Nando lavarone](#) on Thu, 13 Apr 2000 07:00:00 GMT
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```
<!doctype html public "-//w3c//dtd html 4.0 transitional//en">
<html>
Ossi Vaananen wrote:
<blockquote TYPE=CITE>Hi!
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<br>that somehow allows endianness-specified file I/O?
<p>All the best,
<p>Ossi Vaananen
<br>Espoo, Finland</blockquote>
see 'BYTEORDER' procedure and the 'SWAP_ENDIAN' function.
```

