Subject: 8 byte to double?
Posted by LNpellen on Wed, 20 Jan 2016 12:39:00 GMT

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I'm lost - and I thought I had solved this previously, but I simply can't find it (maybe it was in php or something...).

Some values in the DICOM header for some vendors happens to save floating (double-presition?) values as 8-bytearrays

Is there a simple way in IDL to convert this bytearray to a double without coding the type conversion yourself?

I couldn't manage to use the DOUBLE function for this.

Ex.:
I have the byte array [205 204 204 204 204 204 49 64] and it think from my annoyingly short notes that it should be 17.8...?

Best regards,
Ellen

Subject: Re: 8 byte to double?
Posted by Lajos Foldy on Wed, 20 Jan 2016 12:58:54 GMT

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On Wednesday, January 20, 2016 at 1:39:07 PM UTC+1, LNpellen wrote:
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>
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> Ellen

IDL> b=[205b,204b,204b,204b,204b,204b,49b,64b]
IDL> print, fix(b, 0, 1, type=5)

17.800000

regards,
Lajos

Subject: Re: 8 byte to double?
Posted by David Fanning on Wed, 20 Jan 2016 13:34:59 GMT

fawltylanguage@gmail.com writes:

>
> On Wednesday, January 20, 2016 at 1:39:07 PM UTC+1, LNpellen wrote:
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> IDL> print, fix(b, 0, 1, type=5)
>   17.800000

Lajos is right, but here is a little fuller explanation:

   http://www.idlcoyote.com/code_tips/packfloat.php

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: 8 byte to double?
Posted by LNpellen on Wed, 20 Jan 2016 13:45:47 GMT
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I love you both :)

Lajos for getting me straight to the solution and David for giving me the chance to learn what I'm doing.

Cheers