
Subject: Re: Constructing integer variables from two bytes?
Posted by [David Fanning](#) on Wed, 07 Dec 2011 13:19:39 GMT
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Lajos Foldy writes:

```
> FIX can combine the bytes into integers (in host byte order, use
> SWAP_ENDIAN if the source byte order is different):
>
> IDL> b2=fix(a, 0, 1, type=2)
> IDL> help, b2
> B2          INT      = Array[1]
> IDL> print, b2
>    513
> IDL> print, swap_endian(b2)
>    258
```

You may have missed this in Lejos's explanation, but all of these "casting" functions (e.g., Fix, Long, Float, etc.) can extract data from byte arrays in this fashion. And not just one value at a time, but all the values at once. The trick is to use the offset parameter to tell the function how many byte values to "grab" when it does the conversion.

Cheers,

David

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