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 may 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.")