
Subject: populating an array

Posted by [subir.vasanth](#) on Thu, 30 Mar 2006 15:34:03 GMT

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Greetings!

I was wondering if there was a more efficient way to populate an array created using the MAKE_ARRAY function. This is how I am populating the array right now -

```
data = BYTARR(202000L)
; populate byte array with valid data from some input source
array = MAKE_ARRAY(1000,101, Type = 2)
offset = 0L
FOR k = 0L, 100999L DO BEGIN
  array(k) = FIX(data, offset)
  offset = offset + 2
ENDFOR
```

Is there a way I can populate 'array' without using a loop to populate each element, and instead do a array = FIX(data)??

Thanks,
subir

Subject: Re: populating an array

Posted by [greg michael](#) on Thu, 06 Apr 2006 13:24:29 GMT

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Looks to me like you have an array of integers which you accidentally read into a byte array, and now you'd like to put things back in order. The best way would be to read the data into an intarr of the right dimensions in the first place. If it's too late, write out your byte array to a file:

```
openw,1,filename
writeu,1,data
close,1
```

and read it back how you want it:

```
array = MAKE_ARRAY(1000,101, Type = 2)
openr,1,filename
readu,1,array
close,1
```

You may need to use swap_endian if it comes out byte-swapped.

regards,
Greg

Subject: Re: populating an array
Posted by [subir.vasanth](#) on Thu, 06 Apr 2006 20:38:41 GMT
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Thanks for your response Greg. I was trying to read a stream of bytes from a socket and populate an array with that data. I think CP's suggestion is what I was looking for .

Thanks!
