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Subject: Re: cmset\_op question (Craig)

Posted by [jbattat](#) on Thu, 04 Mar 2004 19:06:37 GMT

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Craig,

Thank you for the reply. I will update my code with your fix.

The reason I noticed this problem is that I was using cmset\_op to return the unique values from a list by and-ing the list with itself.

I did notice that if the list had more than one unique value I did not get the problem, but with only one unique entry (which is the usual case in my application), the duplicated value was returned (I always used string arrays).

Take care,  
James

Craig Markwardt <craigmnet@REMOVEcow.physics.wisc.edu> wrote in message news:<onvflgciz.fsf@cow.physics.wisc.edu>...

> [jbattat@cfa.harvard.edu](#) (James) writes:

>> IDL> print, cmset\_op(b, 'and' b)

>> 1 1

>>

>> cmset\_op returns unique values in the case of an integer array but not

>> in the case of a string array.

>

> James, this is a bug. But it's only tickled when you use AND, and

> each set has only one unique value, and when those values are equal

> between sets. (I complain about RSI, but this is my own dog food

> problem). And yes, some integer cases do not tickle the bug.

>

> The fix is to find the following line:

>       if NOT keyword\_set(not1) AND NOT keyword\_set(not2) then begin

>

> and add the following code just after it:

>       ;; Special case: if there are one in each set, and

>       ;; they are equal, then the SHIFT() technique below

>       ;; fails. Do this one by hand.

>       if na EQ 1 AND nb EQ 1 AND uu(0) EQ uu(1) then begin

>           count = 1L

>           if kind then return, 0L

>           return, [uu(0)]

>       endif

>

> Craig

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