Subject: Re: Error: Array has a corrupted descriptor
Posted by gqshen2008@gmail.com on Tue, 28 Nov 2006 17:20:10 GMT
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Karl,
  Thank you for your comment and I can make a zip file containing only
the pertaining code and it should not be too complicated. Which email
address I should send to? The one you listed here?
  Much appreciated.

Gongqin
Karl Schultz wrote:
> On Tue, 28 Nov 2006 09:06:11 -0700, David Fanning wrote:
>
>> Gongqin Shen writes:
>>
>>> Thank you for paying attention to my question. Bascially, "do
>>> something here" is just some basic array manipulation like:
>>> arr = arr3D[1:2, *]
>>> arrInd[0, *] -= a
>>> arrInd[1, *] -= b
>>> arr[arrInd] = 1B
>>> aLabeled = Label_Region(arr)
>>>
>>> FOR j = 1, MAX(aLabeled) DO BEGIN
>>>   ithIdx = (WHERE(aLabeled EQ j))[0]
>>>   outputList = [outputList, ithIdx]
>>> ENDFOR
>>>
>>> I hope your eagle eye can find out where the glitch comes from. :-).
>>
>> I think the likely suspect is this line:
>>
>>   outputList = [outputList, ithIdx]
>>
>> At the *very* least, I would write this line like this:
>>
>>   outputList = [Temporary(outputList), ithIdx]
>>
>> But I think you might be better off making output list as big
>> as you need it (or bigger) and then filling it. I suspect
>> the constant recreating of this array is fragmenting memory
>> like crazy and resulting in your problems.
>>
>>   void = Where(aLabeled GT 0, count)
>>   outputList = Lindgen(count)
>>
>> Cheers,

\>\>
\>\> David
\>
\> The corrupted array descriptor error message is almost always caused by a
\> programming error in an IDL system routine or user-written DLM function.
\> You generally cannot cause this error by just moving array elements
\> around since IDL performs bounds checking. This code is also pretty mature
\> and we would have fixed any problems by now. Likewise, a storage
\> fragmentation issue that leads the inability to allocate a large block of
\> storage would result in a message about storage allocation, not a
\> corrupted array descriptor.
\>
\> Unless there is a user-written DLM in the mix, I suspect a bug in
\> LABEL_REGION. It would be really good if Gongqin could create a reproduce
\> case and get it to ITTVIS Tech Support.
\>
\> Karl