
Subject: Re: Allocating memory in LINKIMAGE program
Posted by [Randall Frank](#) on Thu, 20 Jul 2000 07:00:00 GMT
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Virginia,

You can use something like this to return an array of (n) strings:

```
s = (IDL_STRING *)IDL_MakeTempVector(IDL_TYP_STRING,
n, IDL_BARR_INI_ZERO, &vpTmp);
for(i=0;i<n;i++) IDL_StrStore(s++,YourCStringArray[i]);
IDL_VarCopy(vpTmp,argv[0]);
```

In general, do not pass memory you allocated with malloc back to IDL, especially if you want IDL to clean it up later for you.

Hope it helps.

Virginia Rogers wrote:

>

> I have a C program which queries a database and returns a list of all matching
> entries. I am making this routine callable in IDL with LINKIMAGE. I'd like to
> return a string array to the calling IDL program. My question is, how do I
> allocate the memory to store the strings? The C program has allocated space for
> all of the strings with malloc(). Can I call IDL_MakeTempArray() to create the
> string array and then set each of the string pointers to point to the location
> allocated by malloc()? Is there another source of information about using
> LINKIMAGE other than the IDL Advanced Development Guide?

>

> Thanks! Ginny

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rjf.

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