
Subject: Problem Accessing Shared Objects

Posted by [David Fanning](#) on Wed, 09 Jan 2008 21:56:20 GMT

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Folks,

I had an occasion today to access a shared object library on a UNIX machine. This worked correctly in IDL 6.3, but completely crashed IDL 7 when I tried to access it today.

I've looked on my web page, and in the IDL newsgroup archives for information, but have completely struck out. And yet, I vaguely recall something about some kind of header file in IDL changing in the transition from IDL 6.3 to 6.4, and need for re-compiling, etc. It's just not coming in clearly.

We have tried re-compiling the SO, but we haven't yet been successful in not crashing IDL. Am I dreaming, or does someone else remember something about this?

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming (www.dfanning.com)

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Problem Accessing Shared Objects

Posted by [David Fanning](#) on Thu, 10 Jan 2008 22:27:36 GMT

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David Fanning writes:

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> on a UNIX machine. This worked correctly in IDL 6.3, but
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> does someone else remember something about this?

This turned out to be (who would have guessed!?) a programming error. And for years we have been lucky, I guess.

Anyhow, in case anyone is following this, we weren't using the built-in IDL string handling functions. In our case, we had to change this code:

```
gcs->gpd_filename.s = grid->gpd_filename;  
gcs->gpd_filename.slen = strlen(grid->gpd_filename);
```

to this code.

```
IDL_StrStore(&(gcs->gpd_filename), grid->gpd_filename);
```

That appeared to solve our problem.

Cheers,

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
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Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: Problem Accessing Shared Objects
Posted by [Nigel Wade](#) on Fri, 11 Jan 2008 09:19:41 GMT
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David Fanning wrote:

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```

From my dim and hazy memory, wasn't that the IDL 5 way of doing things? In IDL 5 you had to mess with the contents of the IDL_STRING structure directly.

I'm just off to check my old code to see if I still have any of those constructs left...

--

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