

---

Subject: Re: Problem Accessing Shared Objects  
Posted by [David Fanning](#) on Thu, 10 Jan 2008 22:27:36 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

David Fanning writes:

> 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?

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.  
Coyote's Guide to IDL Programming ([www.dfanning.com](http://www.dfanning.com))  
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

---