
Subject: IDL_IDLBridge and SHMMAP - shared memory not found

Posted by [Percy Pugwash](#) on Tue, 06 Mar 2012 09:41:28 GMT

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I'm trying to do some processing in "in the background" using the IDL_IDLBridge object. I want to avoid making unnecessary copies of all the data, and also gain the speed benefits mentioned here: <https://groups.google.com/d/topic/comp.lang.idl-pvwave/fRXH-IDbdKc/discussion>

So, I am using the shmmap and shmvar functionality to share the data.

```
shmmap,size=size(image),get_name=shmname  
var = shmvar(shmname)  
var[0,0] = image
```

The IDL_IDLBridge object seems to be working OK

```
bridge->setvar,'nlevels',nlevels  
bridge->setvar,'shmname',shmname  
bridge->execute,'makePyramid,nlevels,shmname=shmname'
```

The problem seems to be that the shmmaped memory does not seem to be visible from the child IDL process. When I get run the execute method of bridge as above, I get the following error:

IDL_IDLBRIDGE Error: SHMVAR: Shared Memory Segment not found: IDL_SHM_700_0

However, I can see using help,/shared_memory (while the IDE is paused in debug mode) that the sought-after shared memory segment does indeed exist.

```
IDL> help,/shared_memory  
IDL_SHM_700_0 BYTE    = <WindowsAnonymous(IDL_SHM_700_0), Offset(0), Refcnt(0)>  
Array[5120, 5696]
```

Why can't the child process see the shared memory?

I am using 64-bit IDL on Windows XP.

P
