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Subject: Re: Unsupported keyword on older IDL version  
Posted by [David Fanning](#) on Mon, 29 Jul 2002 20:35:56 GMT  
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I wrote earlier today:

> On the other hand, this does have the advantage of  
> running in a run-time version of IDL, whereas the  
> CALL\_FUNCTION approach would fail.

I was apparently wrong about this. Dick Jackson points out to me in a private e-mail that he can include EXECUTE and CALL\_FUNCTION in run-time programs and they work perfectly OK.

I'm embarrassed to say I didn't try this myself when I wrote this advice, but based it on a recent posting to this newsgroup from the usually reliable Reimar Bauer, who wrote:

```
"there is a small amount of rules you should know.  
[about run-time IDL]  
* !PATH does not exist in runtime  
* the filename of the routine have to be the same as  
  the calling procedure.  
* EXECUTE won't work (e.g. read_ascii uses EXECUTE)  
* nothing could be compiled but other compiled routines  
  could be loaded."
```

Here is a test program. Runs fine on Windows 2000 with IDL 5.5 in run-time. Does anyone else have problems with it?

```
*****  
PRO RuntimeFeaturesTest  
READ_JPEG, FILEPATH('rose.jpg', SUBDIR=['examples', 'data']), image  
IF image[0] NE -1 THEN TV, /True, image  
Wait, 1  
Call_Procedure, 'Plot', RandomU(seed, 10)  
Wait, 1  
pixels = TVRd()  
count = Call_Function('Total', pixels)  
XYOutS, /Device, 100, 100, 'Total of pixels: '+StrTrim(count, 2)  
Wait, 1  
ok = Execute('Erase')  
Wait, 1  
END  
*****
```

```
IDL> runtimefeaturestest  
IDL> Resolve_All  
IDL> Save, File='runtimefeaturestest.sav', /Routines
```

What do you make of this, Reimar?

Cheers,

David

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