
Subject: IDLRT error - attempt to call undefined procedure

Posted by [Jonas Ardo](#) on Fri, 13 Nov 2015 18:47:48 GMT

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Hi

I have a *.PRO (LOGGERNET2WEB.PRO) producing a set of plots and it works OK when I run it manually.

I like to call it from a *.bat file to be automatically executed without starting IDL (i.e. using IDLRT).

Using:

```
IDL>.COMPILE LOGGERNET2WEB
```

```
IDL>RESOLVE_ALL
```

```
IDL>save, /routines, filename = 'LOGGERNET2WEB.sav'
```

```
IDL>restore, 'LOGGERNET2WEB.sav'
```

```
IDL>LOGGERNET2WEB
```

works fine.

But when using IDLRT (after closing IDL):

```
"C:\Program Files\Exelis\IDL85\bin\bin.x86\idlrt.exe" loggernet2web.sav
```

I get errors such as

```
"CGWINDOW--> Attempt to call undefined procedure: 'CGMDWINDOW_DEFINE'"
```

```
"CGWINDOW does not exists ...."
```

etc

IDLRT works fine with minor code such as plot etc (not using cg* commands)

I am using IDL8.5 on Windows 8.

Any suggestions?

--

Jonas Ardo

Subject: Re: IDLRT error - attempt to call undefined procedure

Posted by [David Fanning](#) on Fri, 13 Nov 2015 18:58:50 GMT

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Jonas Ardo writes:

> I have a *.PRO (LOGGERNET2WEB.PRO) producing a set of plots and it works OK when I run it manually.

> I like to call it from a *.bat file to be automatically executed without starting IDL (i.e. using IDLRT).

>

```

> Using:
> IDL>.COMPILE LOGGERNET2WEB
> IDL>RESOLVE_ALL
> IDL>save, /routines, filename = 'LOGGERNET2WEB.sav'
> IDL>restore, 'LOGGERNET2WEB.sav'
> IDL>LOGGERNET2WEB
>
> works fine.
>
>
> But when using IDLRT (after closing IDL):
> "C:\Program Files\Exelis\IDL85\bin\bin.x86\idlrt.exe" loggernet2web.sav
>
> I get errors such as
> "CGWINDOW--> Attempt to call undefined procedure: 'CGMDWINDOW_DEFINE'"
> "CGWINDOW does not exists ...."
> etc
>
> IDLRT works fine with minor code such as plot etc (not using cg* commands)
>
> I am using IDL8.5 on Windows 8.
> Any suggestions?

```

The problem is, RESOLVE_ALL doesn't really resolve, well, *all* of the routines. In particular, it doesn't resolve object definitions:

http://www.idlcoyote.com/ographics_tips/rt_objects.html

You can use the CLASS keyword to RESOLVE_ALL to identify those few Coyote Library objects you are going to need in your program.

```
IDL> RESOLVE_ALL, CLASS='CGCMDWINDOW'
```

There may be a few more. Any routine in the library with an "__define.pro" in its name is a candidate.

<http://idlcoyote.com/idldoc/cg/index.html>

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

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

Subject: Re: IDLRT error - attempt to call undefined procedure

Posted by [Jonas Ardo](#) on Fri, 13 Nov 2015 19:46:49 GMT

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On 13/11/2015 19:58, David Fanning wrote:

> Jonas Ardo writes:

>
>> I have a *.PRO (LOGGERNET2WEB.PRO) producing a set of plots and it
> works OK when I run it manually.
>> I like to call it from a *.bat file to be automatically executed without starting IDL (i.e. using IDLRT).

>>
>> Using:
>> IDL>.COMPILE LOGGERNET2WEB
>> IDL>RESOLVE_ALL
>> IDL>save, /routines, filename = 'LOGGERNET2WEB.sav'
>> IDL>restore, 'LOGGERNET2WEB.sav'
>> IDL>LOGGERNET2WEB

>>
>> works fine.

>>
>> But when using IDLRT (after closing IDL):
>> "C:\Program Files\Exelis\IDL85\bin\bin.x86\idlrt.exe" loggernet2web.sav
>>
>> I get errors such as
>> "CGWINDOW--> Attempt to call undefined procedure: 'CGMDWINDOW_DEFINE'"
>> "CGWINDOW does not exists"
>> etc

>>
>> IDLRT works fine with minor code such as plot etc (not using cg* commands)
>>
>> I am using IDL8.5 on Windows 8.
>> Any suggestions?

>
> The problem is, RESOLVE_ALL doesn't really resolve, well, *all* of the
> routines. In particular, it doesn't resolve object definitions:
>
> http://www.idlcoyote.com/ographics_tips/rt_objects.html
>
> You can use the CLASS keyword to RESOLVE_ALL to identify those few
> Coyote Library objects you are going to need in your program.
>
> IDL> RESOLVE_ALL, CLASS='CGCMDWINDOW'
>
> There may be a few more. Any routine in the library with an
> "__define.pro" in its name is a candidate.
>
> <http://idlcoyote.com/idldoc/cg/index.html>

>
> Cheers,
>
> David
>
Thanks, now, running with idlRt, it only needed:

```
.reset  
.COMPILE loggernet2web  
RESOLVE_ALL, CLASS='CGCMDWINDOW'  
.Compile cgcmdwindow__define.pro  
.Compile cggraphicskeywords__define.pro  
.Compile idl_object__define.pro  
.Compile linkedlist__define.pro  
.Compile cgps_setup__define.pro  
.Compile fsc_psconfig__define.pro  
save, /routines, filename = 'LOGGERNET2WEB.sav'
```

Is there any option like
.Compile *__define.pro

cheers
/Jonas

Subject: Re: IDLRT error - attempt to call undefined procedure
Posted by [David Fanning](#) on Sat, 14 Nov 2015 02:02:30 GMT
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Jonas Ardo writes:

> Thanks, now, running with idlRt, it only needed:
>
> .reset
> .COMPILE loggernet2web
> RESOLVE_ALL, CLASS='CGCMDWINDOW'
> .Compile cgcmdwindow__define.pro
> .Compile cggraphicskeywords__define.pro
> .Compile idl_object__define.pro
> .Compile linkedlist__define.pro
> .Compile cgps_setup__define.pro
> .Compile fsc_psconfig__define.pro
> save, /routines, filename = 'LOGGERNET2WEB.sav'
>
> Is there any option like
> .Compile *__define.pro

No, no option like this.

Also, you need to do this:

```
RESOLVE_ALL, CLASS='CGCMDWINDOW'
```

Or, this:

```
.Compile cgcmdwindow__define
```

But, no need to do both. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

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