
Subject: Re: IDL_IDLBRIDGE undefined procedure problem

Posted by [jeanh](#) on Thu, 11 Nov 2010 15:29:35 GMT

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On 11/11/2010 10:05 AM, Ammar Yusuf wrote:

> Hi I'm new to using this IDL_IDLBRIDGE object so I was just running
> some test code like:
>
> Obj1 = OBJ_NEW('IDL_IDLBridge')
> Obj1->Execute, "run1"
> I have four separate functions in four separate files called pro run1,
> pro run2, pro run3, and pro run4. They all do something really simple
> but every time I run the above code I get this error:
> IDL_IDLBRIDGE Error: Attempt to call undefined procedure/function:
> 'RUN1'.
>
> Thanks.

Hi,
the procedures are not compiled in the idlBridge session.

try this:

```
Obj1 = OBJ_NEW('IDL_IDLBridge')
```

```
Obj1->Execute, '.compile run1'
```

```
Obj1->Execute, "run1"
```

Of course, run1.pro must be in your path. Remember that startup files
are not run in the bridge session..

Jean

Subject: Re: IDL_IDLBRIDGE undefined procedure problem

Posted by [Ammar Yusuf](#) on Thu, 11 Nov 2010 16:03:45 GMT

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On Nov 11, 10:29 am, jeanh

<jghasb...@DELETETHIS.environmentalmodelers.ANDTHIS.com> wrote:

> On 11/11/2010 10:05 AM, Ammar Yusuf wrote:
>
>> Hi I'm new to using this IDL_IDLBRIDGE object so I was just running
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> Hi,
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> try this:
> Obj1 = OBJ_NEW('IDL_IDLBridge')
> Obj1->Execute, '.compile run1'
> Obj1->Execute, "run1"
>
> Of course, run1.pro must be in your path. Remember that startup files
> are not run in the bridge session..
> Jean

It worked when I added the folder that held the routines to the path.

Another question is when stuff is executing inside of these processes through the bridge I can't see any output from those processes. How would I do that if i wanted to? Thanks.

Subject: Re: IDL_IDLBRIDGE undefined procedure problem
Posted by [jeanh](#) on Thu, 11 Nov 2010 16:39:05 GMT
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> Another question is when stuff is executing inside of these processes
> through the bridge I can't see any output from those processes. How
> would I do that if i wanted to? Thanks.

You can save the output to a file:

```
thread_2 = obj_new('IDL_IDLBridge', output = 'C:\child_output.txt')
```

Jean

Subject: Re: IDL_IDLBRIDGE undefined procedure problem
Posted by [Ammar Yusuf](#) on Thu, 11 Nov 2010 16:43:43 GMT
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On Nov 11, 11:39 am, jeanh
<jghasb...@DELETETHIS.environmentalmodelers.ANDTHIS.com> wrote:
>> Another question is when stuff is executing inside of these processes
>> through the bridge I can't see any output from those processes. How

>> would I do that if i wanted to? Thanks.
>
> You can save the output to a file:
>
> thread_2 = obj_new('IDL_IDLBridge', output = 'C:\child_output.txt')
>
> Jean

Thanks. Another question and I'm just making sure. By using the IDL_IDLBRIDGE object that means obj1, obj2, obj3, obj4 are running in parallel or does obj1 execute first or suspend and then go to obj2. Also does the IDL Bridge object automatically dispatch to different processors because I have a quad core so I would like for each object to be on a separate core. I'm not sure if that's possible. Thanks!

Subject: Re: IDL_IDLBRIDGE undefined procedure problem
Posted by [Haje Korth](#) on Fri, 12 Nov 2010 13:29:13 GMT
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If you use the /nowait keyword you can execute all bridge jobs simultaneously. If you have enough cores the jobs will use different cores for each execution. Haje

On Nov 11, 11:43 am, Ammar Yusuf <amyus...@gmail.com> wrote:
> On Nov 11, 11:39 am, jeanh
>
> <jghasb...@DELETETHIS.environmentalmodelers.ANDTHIS.com> wrote:
>>> Another question is when stuff is executing inside of these processes
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> processors because I have a quad core so I would like for each object
> to be on a separate core. I'm not sure if that's possible. Thanks!

Subject: Re: IDL_IDLBRIDGE undefined procedure problem

Posted by [Ammar Yusuf](#) on Fri, 12 Nov 2010 16:59:37 GMT

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On Nov 12, 8:29 am, Haje Korth <hajeko...@gmail.com> wrote:

> If you use the /nowait keyword you can execute all bridge jobs
> simultaneously. If you have enough cores the jobs will use different
> cores for each execution. Haje
>

Thanks! That worked for me. So I make 6 objects and I only have 4
cores then it will run the 4 objects first and then wait for the other
two or will it interleave all of them?

Subject: Re: IDL_IDLBRIDGE undefined procedure problem

Posted by [suntaopku](#) on Mon, 07 Dec 2015 05:29:43 GMT

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>> Another question is when stuff is executing inside of these processes
>> through the bridge I can't see any output from those processes. How
>> would I do that if I wanted to? Thanks.

>

> You can save the output to a file:

>

> thread_2 = obj_new('IDL_IDLBridge', output = 'C:\child_output.txt')

>

> Jean

Hi,

I really learn a lot from your answers.

So I am just starting to use the IDL_IDLbridge to do parallel computing.

And when I execute a child process, the child process can not run another self-defined pro or
funcs. The output show as " Attempt to call undefined procedure/function: run2"

So can you give me some help? Thanks.

Example:

obj->execute,'run1';

pro run1

run2

end

pro run2

window,0

end

Subject: Re: IDL_IDLBRIDGE undefined procedure problem

Posted by [markb77](#) on Mon, 07 Dec 2015 14:20:14 GMT

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You need to modify the !PATH variable on the bridge process. Something like this:

```
cmd_str = '!PATH = EXPAND_PATH(mypath) + ' + $  
          'PATH_SEP(/SEARCH_PATH) + !PATH'
```

```
bridge_obj -> Execute, cmd_str
```
