Subject: Re: IDL_IDLBridge, spawn, and sftp, oh my!
Posted by Helder Marchetto on Thu, 06 Feb 2014 07:49:55 GMT
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On Thursday, February 6, 2014 8:27:58 AM UTC+1, Helder wrote:
> On Thursday, February 6, 2014 5:46:05 AM UTC+1, Gianguido Cianci wrote:
>
>> Hi all,
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>> I am trying use IDL_IDLBridge to run a batch file containing spawn command that uses sftp to retrieve a file. If there is a more direct way, I would love to know. I'm on MacOSX and the sftp server is linux. and I'm using ssh public keys so i don't have to enter the password every time.
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>> The issue is that while the file is sftp'ing, I'd like to do other things...
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>> so an idl_idlBridge object->Execute with a /nowait seems like a good idea. Here is the code:
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>
>> ;;;;;;;;;;;;begin code
>
>>
>
>> file='myfile' ;<-generated on the fly actually
>
>>

```
>
>> oBridge = OBJ_NEW('IDL_IDLBridge')
>
>>
>
>> cmd2 = "scp server.internet.com:"+file+" ."
>
>>
>
>> openw,lun, 'dummy.pro', /get_lun
>
>>
>
>> printf,lun,'spawn, "'+cmd2+'"'
>
>>
>
>> close,  lun
>
>>
>
>> obridge->execute, "@dummy.pro", /nowait
>
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>> COMMAND1
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>> COMMAND2
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>> COMMAND3
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```

>
>> while oBridge->status() ne 0 do wait, 0.1 ;check that oBridge is done every .1s
>
>>
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>
>> ;now that oBridge (and the three COMMAND lines) are done, proceed...
>
>>
>
>> ;;;;;;;;;;;;end code
>
>>
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>
>> so the file dummy.pro is created and contains:
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>
>>   spawn, "scp server.internet.com:file ."
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>> I can run it with @ at the IDL> prompt, but the IDL_IDLBridge won't run it.
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>> any ideas on how to make this work? or even better on how to do this better?
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>> Many thanks,
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>> G
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> Hi Guido,
>
> just a guess: it might be that idl_idlbridge is looking for @dummy.pro in the wrong directory. Try to check that (maybe with pwd).
>
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>
> Regards,
>
> Helder

Hi Guido,
to debug, try running something like this:
oBridge = OBJ_NEW('IDL_IDLBridge', output='E:\OutputLocation\out.txt')
obridge->execute, "pwd"
obj_destroy, obridge

Then have a look at the file.

I then created a file named LaunchPwd.pro with a single line in it, containing pwd.
By running the file from the "wrong" location:
oBridge = OBJ_NEW('IDL_IDLBridge', output='E:\OutputLocation\out.txt')
obridge->execute, "@LaunchPwd"
obj_destroy, obridge

I get this:
% Error opening file. File: LaunchPwd

But with:
oBridge = OBJ_NEW('IDL_IDLBridge', output='E:\OutputLocation\out.txt')
obridge->execute, "cd, 'OutputLocation\'"

```
obridge->execute, "@LaunchPwd"
obj_destroy, obridge
```

I get:
```
% Compiled module: PWD.
E:\Elmitec\IDL\MySoftware\DynTP
```

So I would only guess that you have a path related problem. But that is just a guess. In general the keyword Output is your friend in finding out what happend.

Ciao,
Helder