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Subject: IDL\_IDLBridge, spawn, and sftp, oh my!  
Posted by [cgguido](#) on Thu, 06 Feb 2014 04:46:05 GMT  
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Hi all,

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.

The issue is that while the file is sftp'ing, I'd like to do other things...  
so an idl\_idlBridge object->Execute with a /nowait seems like a good idea. Here is the code:

```
;;;;;;;;;;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
```

```
COMMAND1
COMMAND2
COMMAND3
```

```
while oBridge->status() ne 0 do wait, 0.1 ;check that oBridge is done every .1s
```

```
;now that oBridge (and the three COMMAND lines) are done, proceed...
;;;;;;;;;;end code
```

so the file dummy.pro is created and contains:

```
spawn, "scp server.internet.com:file ."
```

I can run it with @ at the IDL> prompt, but the IDL\_IDLBridge won't run it.

any ideas on how to make this work? or even better on how to do this better?

Many thanks,  
G

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Subject: Re: IDL\_IDLBridge, spawn, and sftp, oh my!

Posted by [Helder Marchetto](#) on Thu, 06 Feb 2014 07:27:58 GMT

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On Thursday, February 6, 2014 5:46:05 AM UTC+1, Gianguido Cianci wrote:

> Hi all,

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> printf,lun,'spawn, '"+cmd2+"'

>

> close, lun

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> obridge->execute, "@dummy.pro", /nowait

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> Many thanks,  
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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).

Regards,  
Helder

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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:  
>

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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

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Subject: Re: IDL\_IDLBridge, spawn, and sftp, oh my!  
Posted by [cgguido](#) on Fri, 07 Feb 2014 20:52:33 GMT  
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Thanks Helder, I'll have a look!

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