Subject: Re: Multiple Spawn Commands
Posted by Jo Klein on Fri, 14 Jul 2006 16:16:57 GMT
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Hi Ryan,
I'm not sure I understand what you're trying to do - if you simply want
multiple commands to be executed in the same UNIX shell, you can simply
separate them with semicolons such as
mystring='ls; echo Hoorah! A listing!'
spawn,mystring
Similarly, in a bash environment, you could do
mystring='foreach f in 1 2 3; do echo $f; done'
and spawn it. I'm sure you can derive the csh syntax from here.
Hope this helps,
Jo

Subject: Re: Multiple Spawn Commands
Posted by Ryan. on Fri, 14 Jul 2006 16:43:08 GMT
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Jo,
Thank you for your response, that is going to make my life a lot easier
but i can't seem to get it work properly in a UNIX environment. How do
you write a foreach loop in a UNIX environment in one line? I have
experimented a bit with it but it keeps complaining to me about
misplace brackets, what is the proper syntax?

Thanks again,
Ryan.

Subject: Re: Multiple Spawn Commands
Posted by Maarten Sneep on Fri, 14 Jul 2006 18:27:08 GMT
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In article <1152895388.545979.198960@75g2000cwc.googlegroups.com>,
 "Ryan." <rchughes@brutus.uwaterloo.ca> wrote:

> Jo,
> Thank you for your response, that is going to make my life a lot easier
> but i can't seem to get it work properly in a UNIX environment. How do
> you write a foreach loop in a UNIX environment in one line? I have
> experimented a bit with it but it keeps complaining to me about
> misplace brackets, what is the proper syntax?

What is your shell:

```
  spawn, "echo $SHELL"
```
should tell. Because of the syntax you use in your original post, I
think you're using a csh derivative. It has been a while, but I think
a foreach loop looks like:

```
  spawn, "foreach i (item1 item2 item3); action $i; end"
```

An O'Reilly book on shells will help you here, but often it is easier,
and more portable, to perform the action in IDL.

If all fails:
```
  for ii=0,n_elements(files)-1 do $
    spawn, "file_dump.ps " + files[ii]
```

(yeah, I know, lots of overhead, not pretty, but at least it'll work.)

Maarten
--
A: Because it messes up the order in which people normally read text.
Q: Why is top-posting such a bad thing?
A: Top-posting.
Q: What is the most annoying thing on usenet?

Subject: Re: Multiple Spawn Commands
Posted by Jo Klein on Tue, 18 Jul 2006 11:04:21 GMT
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Hi Ryan,
I notice you've gone for the IDL loop option, which is probably more
portable, so just for the record: This is the way you can do it in a
UNIX environment if you're running bash or sh. I just checked the doc,
csh and tcsh do not allow the use of a semicolon to delimit commands. To
make my one line solution work, you would have to switch to a bash
environment before starting IDL, such as
```
 > bash
 > idl
```
Cheers,
Jo