
Subject: SPAWN exit status different from shell exit status.
Posted by [Paul Van Delst\[1\]](#) on Mon, 30 Jun 2014 14:04:52 GMT
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Hello,

I'm trying to run a compiled executable within IDL.

When I run the exe in a regular shell I get the following:

```
$ myexe
```

Program received signal SIGSEGV: Segmentation fault - invalid memory reference.

Backtrace for this error:

```
#0 0x7FD97E7ADA77
#1 0x7FD97E7AE07E
#2 0x3000C3299F
#3 0x45EBBB in sub1_
#4 0x47688D in sub2_
#5 0x409A9F in sub3_
#6 0x42BABA in MAIN__ at myprog.f90:0
Segmentation fault (core dumped)
```

If I inspect the exit value I see:

```
$ echo $?
139
```

Now, if I do the same thing inside an IDL SPAWN command I get the following:

```
IDL> SPAWN, 'myexe', stdout, stderr, EXIT_STATUS = exit_stat
```

```
IDL> print, exit_stat
      0
```

```
IDL> help, stderr
STDERR      STRING    = Array[11]
```

```
IDL> print, stderr, format='(a)'
```

Program received signal SIGSEGV: Segmentation fault - invalid memory reference.

Backtrace for this error:

```
#0 0x7F39A545DA77
#1 0x7F39A545E07E
#2 0x3000C3299F
#3 0x45EBBB in sub1_
#4 0x47688D in sub2_
#5 0x409A9F in sub3_
#6 0x42BABA in MAIN__ at myprog.f90:0
```

So it's still failing but the `exit_status` is always 0 (i.e. successful)

I've tried the command with `/SH` and `/NOSHELL` and get the same result.

Does anyone have any idea why SPAWN is not setting the `EXIT_STATUS` correctly?

cheers,

paulv

p.s.

IDL> print, !VERSION

{ x86_64 linux unix linux 8.3 Nov 15 2013 64 64 }
