
Subject: Re: SPAWN exit status different from shell exit status.
Posted by [lecacheux.alain](#) on Mon, 30 Jun 2014 16:31:13 GMT
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On Monday, June 30, 2014 4:04:52 PM UTC+2, Paul van Delst wrote:

> 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}
```

After IDL documentation, the 3rd argument and keyword EXIT_STATUS are mutually exclusive: check your STDERR argument, you should find 139 herein.
alx.
