
Subject: Re: getpid in Mac OS X
Posted by [MKatz843](#) on Mon, 14 Jun 2004 19:43:45 GMT
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Miguel Angel Cordoba wrote:

> Thank you,
> but this solution only works if only one IDL process is running. In my
> case there are 4 processes and I need all the PID's.

OK, so all that takes is a few strokes of the pen...

The function below returns a list. Below the code snippet is an example run.

Note that this is Darwin (OS X) specific. It wouldn't take much to make it work on Linux.

-----code-----

```
function idl_pids
  pid = -1 ;--- default value appropriate for Mac, PC

  if (!version.os EQ 'darwin') then begin
    spawn, 'ps', list
    print, '-----'
    print, list
    print, '-----'
    w = where((strpos(list, 'Applications') GT 0) $
      and (strpos(list, 'idl') GT 0), count)
    if (count LT 1) then begin
      print, 'idl_pids error: no valid jobs'
      return, -1
    endif
    pid = lonarr(count)
    for i=0,count-1 do $
      pid(i) = long( (strsplit(list(w(i)), ' ', /EXTRACT))(0) )
    endif

  return, pid
end
----- end of code -----
```

IDL> print, idl_pids()

```
-----
  PID TT STAT  TIME COMMAND 11879 std Ss  0:00.06 -csh
11898 std S+   0:03.54 /Applications/idl_6.0/bin/bin.darwin.ppc/idl
11947 std S+   0:00.02 tcsh -c ps 11885 p2 Ss  0:00.06 -csh
11901 p2 S+   0:03.36 /Applications/idl_6.0/bin/bin.darwin.ppc/idl
11891 p3 Ss   0:00.07 -csh
11894 p3 S+   0:03.75 /Applications/idl_6.0/bin/bin.darwin.ppc/idl
-----
```

11898 11901 11894

Get rid of the print statements if you like.
M. Katz
