
Subject: Re: getpid in Mac OS X
Posted by [MKatz843](#) on Fri, 11 Jun 2004 21:56:11 GMT
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Here's a possible solution. It's more of a stopgap than anything elegant....

When you spawn, 'ps' you get output that looks like this

```
PID TT STAT    TIME COMMAND  486 std  Ss    0:00.27 -csh
614 std  S+    0:23.30 /Applications/idl_6.0/bin/bin.darwin.ppc/idl
734 std  R+    0:00.05 tcsh -c ps
```

So we'll use that output to look for the corrent line, and identify the ID as 614 in this case

=== code snippet ===

```
pid = -1 ;--- default value means unknown PID

if (!version.os EQ 'darwin') then begin ;--- we're on a Mac
  spawn, 'ps', list ;--- this returns a long list of processes
  ;--- My IDL app lives in /Applications, so here I'm looking for
a
  ; line that has "/Applications" and "idl" in the line.
  ; If your IDL app lives somewhere else, change this to
something else
  ;--- Find which process might be the right one.
  w = where((strpos(list, 'Applications') GT 0) and (strpos(list,
'idl') GT 0), count)
  if (count GT 0) then $
    pid = long( (strsplit(list(w), ' ', /EXTRACT))(0) )
  endif
=== end of code snippet ===
```

Miguel Angel Cordoba <cordoba_nospam@grahi.upc.es> wrote in message
news:<40C9B961.8000605@grahi.upc.es>...

```
> Hi,
> I want to get the process identification (pid) of my IDL. In
> Linux I get the pid calling:
>
> pid=CALL_EXTERNAL('/usr/lib/i686/libc.so.6','getpid')
>
> but this library doesn't exist in Mac Os X. I had probed with
> the '/usr/lib/libc.dylib' but didn't work. Any ideas?
>
> IDL>pid=CALL_EXTERNAL('/usr/lib/libc.dylib','getpid')
> % CALL_EXTERNAL: Error loading sharable exectuble.
> Symbol: getpid, FILE=/usr/lib/libc.dylib
> not a Mach-O MH-BUNDLE file type
```

>
> Thanks a lot.
>
> --
>
> _____
> Miguel Angel Cordoba
