
Subject: Re: how can i get parent process pid on windows using IDL
Posted by [Heinz Stege](#) on Fri, 13 Mar 2015 06:16:30 GMT
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On Thu, 12 Mar 2015 19:45:46 -0700 (PDT), Dae-Kyu Shin wrote:

```
> 2015? 3? 12? ??? ?? 11? 11? 34? UTC+9, Jim P ?? ?:  
>> On Thursday, March 12, 2015 at 7:38:48 AM UTC-6, Dae-Kyu Shin wrote:  
>>> hi  
>>>  
>>> how can i get parent process pid on windows?  
>>>  
>>> for example  
>>>  
>>> in windows cmd  
>>>  
>>> wmic process get processid, parentprocessid  
>>>  
>>> in IDL  
>>>  
>>> spawn, 'wmic process get processid, parentprocessid', result  
>>>  
>>> but this is not working  
>>>  
>>> is there another way??  
>>>  
>>> thanks  
>>  
>> Try this:  
>> PRINT, CALL_EXTERNAL('kernel32.dll', 'GetCurrentProcessId')  
>>  
>> Jim P  
>  
> thanks  
> i can get pid using kernel32.dll but this is not ppid(parent process id).  
> is there another function for ppid in kernel32.dll?
```

The problem seems to be, that the Windows wmic command returns an unicode string ("wide char"). The IDL spawn command stops reading this string at the first null byte.

You can try to redirect the result from wmic into a temporary file:
spawn,'wmic process get processid, parentprocessid >result.txt'

Then read the file into a binary array and convert the array into an ASCII string:

```
openr,lun,/get_lun,'result.txt'  
arr=bytarr((fstat(lun)).size)
```

```
readu,lun,arr
free_lun,lun
arr=arr[2:*] ; skip the BOM
arr=arr[0:*:2] ; assume all unicode chars to be ASCII
pos=where(arr eq 13b and arr[1:*] eq 10b) ; positions of CRLF
start=[0,pos[0:-2]+2] ; start positions of lines
len=pos-start ; lengths of lines
str=strmid(arr,start,len)
print,str
```

Is this what you need?

Cheers, Heinz
