
Subject: how can i get parent process pid on windows using IDL

Posted by [Dae-Kyu Shin](#) on Thu, 12 Mar 2015 13:38:45 GMT

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hi

how can i get parent process pid on windows?

for example

in windows cmd

wmic process get processid, parentprocessi

in IDL

spawn, 'wmic process get processid, parentprocessid', result

but this is not working

is there another way??

thanks

Subject: Re: how can i get parent process pid on windows using IDL

Posted by [Jim Pendleton](#) on Thu, 12 Mar 2015 14:11:32 GMT

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On Thursday, March 12, 2015 at 7:38:48 AM UTC-6, Dae-Kyu Shin wrote:

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>

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>

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>

> but this is not working

>

> is there another way??

>

> thanks

Try this:

```
PRINT, CALL_EXTERNAL('kernel32.dll', 'GetCurrentProcessId')
```

Jim P

Subject: Re: how can i get parent process pid on windows using IDL

Posted by [Dae-Kyu Shin](#) on Fri, 13 Mar 2015 02:45:46 GMT

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> On Thursday, March 12, 2015 at 7:38:48 AM UTC-6, Dae-Kyu Shin wrote:

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> 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?

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  
>>>  
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>>>  
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>>> thanks  
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>> 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
