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execute a command by use the COM with python directly

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execute a command by use the COM with python directly

by [maomao](#) » 23. Apr 2014, 09:26

host:win7 64
guest:windows xp sp2
virtualbox:4.3.10
guestaddition:4.3.10
python:2.7.6(64 bit)

when i execute this code, something wrong in the code `guestSession.processCreat()`, because i can print `guestSession.id`
report a error "session is not in started state"

Code: [Select all](#) [Expand view](#)[Collapse view](#)

```
vbox = win32com.client.Dispatch("VirtualBox.VirtualBox")
session = win32com.client.Dispatch("VirtualBox.Session")
mach = vbox.findMachine("wxp")
mach.lockMachine(session,1)
console = session.console
guest = console.guest
guestSession = guest.createSession("LI","", "", "vboxshell guest exec")
process = guestSession.processCreate("notepad.exe", "C:\\Documents and
```

```
Settings\\LI\\test.txt",0,1,0L)  
session.UnlockMachine()
```

[maomao](#)**Posts:** 5**Joined:** 24. Mar 2014, 09:47[Top](#)

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[Re: execute a command by use the COM with python directly](#)

by [noteirak](#) » 23. Apr 2014, 10:48

From the SDK :

The new process will be started asynchronously, meaning on return of this function it is not guaranteed that the guest process is in a started state. To wait for successful startup, use the `IProcess::waitFor` call.

Are you doing this?

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[noteirak](#)

Site Moderator

Posts: 5135**Joined:** 13. Jan 2012, 11:14**Primary OS:** Debian other**VBox Version:** OSE Debian**Guest OSses:** Debian, Win 2k8, Win 7

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[Re: execute a command by use the COM with python directly](#)

by [maomao](#) » 23. Apr 2014, 15:14

*noteirak wrote:*From the SDK :

The new process will be started asynchronously, meaning on return of this function it is not guaranteed that the guest process is in a started state. To wait for successful startup, use the `IProcess::waitFor` call.

Are you doing this?

maybe i don't clear this question, here i give the error i have got

Code: [Select all](#) [Expand view](#)[Collapse view](#)

Traceback (most recent call last):

```
File "exec_com.py", line 35, in <module>
    process = guestSession.processCreate("notepad.exe", "C:\\Documents and Settings\\LI\\test.txt", 0, 1, 0L)
File "<COMObject <unknown>>", line 2, in processCreate
pywintypes.com_error: (-2147352571, '\xc0\xe0\xd0\xcd\xb2\xbb\xc6\xa5\xc5\xe4\xa1\xa3', None, 2)
```

i just try to open a txt file, but the function can't work, i'm doing something wrong?

[maomao](#)

Posts: 5

Joined: 24. Mar 2014, 09:47

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[Re: execute a command by use the COM with python directly](#)

by [maomao](#) » 27. Apr 2014, 05:34

i have solve my question.

i use the IGuestSession::waitFor(), after creatSession.

thank you!

but why in the function execInGuest of vboxshell.py (come from the SDK) ,do not use the IGuestSession::waitFor(), i was mislead by it.

[maomao](#)

Posts: 5

Joined: 24. Mar 2014, 09:47

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[Re: execute a command by use the COM with python directly](#)

by [noteirak](#) » 28. Apr 2014, 08:41

For the why, you would need to ask the developers directly on the dev mailing list - it's a design choice more than anything.

My guess is that you don't want to impose something like waiting an arbitrary amount of time.

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[noteirak](#)

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