

# Re: Win32 TSR program skeleton

---

*Source:*

<http://www.tech-archive.net/Archive/Development/microsoft.public.win32.programmer.kernel/2007-07/msg00322.htm>

---

- *From:* "Chris Becke" <[chris.becke@xxxxxxxx](mailto:chris.becke@xxxxxxxx)>
  - *Date:* Fri, 27 Jul 2007 11:34:48 +0200
- 

I am sorry if I sounded at all condecending. That was not my intention.

Anyway, under windows a "comsole" is just a thing used for display. The actual processes attached to, and displaying on a console, are multitasked. It is just that the behaviour of "cmd.exe" is to physically block its own execution until the last app it launched is finished.

If you run "debug.com" or any ms-dos type application inside a cmd.exe session, it gets boxed up in a 16 bit virtual machine. Each ms-dos application would get its own virtual environment, and those environments are not avaiable to Win32 apps, and are not created for Win32 console applications. The memory address "B800:0000" is completely meaningless to every application, ms-dos in a16 bit virtual machine, or native Win32 application on the system, except the specific instance of debug.com that you are running.

<[mpiceni@xxxxxxxxxxxxxxxxxxxx](mailto:mpiceni@xxxxxxxxxxxxxxxxxxxx)> wrote in message  
[news:%23AT7p7C0HHA.5152@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:%23AT7p7C0HHA.5152@xxxxxxxxxxxxxxxxxxxxxxxx)

Oh, sorry, maybe I make a mistake in programming my Delorian, is not 1987 today ???

Frankly speaking I don't work as a programmer, I'm a sysadmin. But sometimes I wrote small programs for my needing. by know I only programmed hi level in Windows, like Visual C++ or even scripting.

Uhm, I didn't think about named pipes. I'll make a try. Hope they work also in WinPE (not sure).

Thanks Chris for your suggestion.

By the way, what I wrote makes sense. Windows is a multitasking OS, but CMD console not. You can multitask several instances of CMD, but not multitask several apps inside a single instance of CMD. CMD is a sort of virtual Ms-Dos box, but at 32bit. If you run DEBUG and the D B800:0000, you'll see what's on screen. Also old flavor TSRs works fine in Windows CMD, but not in WinPE, cause it lacks 16bit support.

Thanks again.

Re: Win32 TSR program skeleton

Massimo.

"Chris Becke" <chris.becke@xxxxxxxx> ha scritto nel messaggio  
<news:uoZCetC0HHA.4928@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

Where exactly have you been for the last, er, 20 ye