

## Re: Console redirected to COM1

---

*Source:*

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.platbuilder/2006-12/msg01174.html>

---

- *From:* voidcoder <[voidcoder@xxxxxxxxx](mailto:voidcoder@xxxxxxxxx)>
  - *Date:* Tue, 26 Dec 2006 02:01:00 +0100
- 

>>Note that I am using COM1 for all boot messages and now want  
>>to use it for the shell.

You can't share a single serial port for debug printing and normal serial communications. You will need to disable debug printing and load the serial driver for it.

```
>> [HKEY_LOCAL_MACHINE\init]
>> "Launch60"="Subproject1.exe"
>> "Depend60"=hex:14,00, 1e,00
>>
>> result = CreateProcess(TEXT("cmd.exe"), NULL, NULL, NULL, 0,
>> CREATE_NEW_CONSOLE, NULL, NULL, NULL, &new_cmd_exe);
```

This may be not enough. Note that your "Subproject1.exe" may be executed before the serial driver has been loaded by the device manager and thus the command shell will simply fail to open the com handle ...

gissa wrote:

Using wince 6, I added the reg entries to redirect the console to COM1 and to run Subproject1 at boot. Now, Subproject1 will execute CMD

Here is the code!

```
result = CreateProcess(TEXT("cmd.exe"), NULL, NULL, NULL, 0,
CREATE_NEW_CONSOLE, NULL, NULL, NULL, &new_cmd_exe);
```

```
[HKEY_LOCAL_MACHINE\Drivers\Console]
"OutputTo"=dword:1
[HKEY_LOCAL_MACHINE\Drivers\Console]
"COMSpeed"=dword:5c3
```

```
[HKEY_LOCAL_MACHINE\init]
```

Re: Console redirected to COM1

"Launch60"="Subproject1.exe"  
"Depend60"=hex:14,00, 1e,00

This is what I get on boot on COM1. Note that I am using COM1 for all boot messages and now want to use it for the shell. You can see below how I got an invalid handle. Any help is appreciated

```
OSAXST1: >>> Loading Module 'coredll.dll' (0x83FEA4F8) at address
0x40010000-0x4
0085000 in Process 'cmd.exe' (0x83F34BE4)
OSAXST1: >>> Loading Module 'cmd.exe' (0x83F34BE4) at address
0x00010000-0x00026
000 in Process 'cmd.exe' (0x83F34BE4)
Heap Statistics at 0x40080740
Console redirected to COM1 for process 0xE50002
!!DecodeAPI: invalid handle! (h = ffffffff, iApiSet = 00000007 'NONE',
pActvProc
->dwId = 00e50002)
Invalid handle: Set=7 'W32H' Method=3
ObjectCall: returning 8027fbf0
OSAXST1: <<< Unloading Module 'coredll.dll' (0x83FEA4F8) at address
0x40010000-0
x40085000 in Process 'Subproject1.eConsole redirected to COM1 for
process 0xE700
02
!!DecodeAPI: invalid handle! (h = ffffffff, iApiSet = 00000007 'NONE',
pActvProc
->dwId = 00e70002)
Invalid handle: Set=7 'W32H' Method=3
ObjectCall: returning 8027fbf0
MessageBox - Customizeable
xe' (0x83F340C0)
OSAXST1: <<< Unloading Module 'coredll.dll' (0x83FEA4F8) at address
0x40010000-0
x40085000 in Process 'cmd.exe' (0x83F34BE4)
OSAXST1: <<< Unloading Module 'Subproject1.exe' (0x83F340C0) at address
0x000100
00-0x00013000 in Process 'Subproject1.exe' (0x83F340C0)
OSAXST1: <<< Unloading Module 'cmd.exe' (0x83F34BE4) at address
0x00010000-0x000
26000 in Process 'cmd.exe' (0x83F34BE4)
```