

# Re: PCCARD driver question

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*Source:*

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.embedded/2006-05/msg00051.html>

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- *From:* "liguangyu" <[lg1980@xxxxxxx](mailto:lg1980@xxxxxxx)>
  - *Date:* Fri, 5 May 2006 15:07:43 +0800
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I guess "CardGetNextTuple returned fails" is not so bad because it's only mean that the CIS has got it end.

the next step the BUS driver should do it to scan the reg entry to find which client driver to load.

do you have any reg entry in [HKEY\_LOCAL\_MACHINE\Drivers\PCMCIA\] to indicate the client driver?

Liguangyu

"Bruce Eitman (eMVP)" <[beitman.nospam@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:beitman.nospam@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message [news:OeOU5rOVGHA.4452@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:OeOU5rOVGHA.4452@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)

1341689 PID:43f8fb16 TID:83dde0aa 0x83e116b8: GetCardCRC: CardGetNextTuple returned fails

That is bad, and can be a symptom of incorrect power and/or PCMCIA timing.

—

Bruce Eitman (eMVP)  
Senior Engineer  
beitman AT applieddata DOT net

Applied Data Systems  
[www.applieddata.net](http://www.applieddata.net)  
An ISO 9001:2000 Registered Company  
Microsoft WEP Gold-level Member

"C. Klaver" <[CKlaver@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:CKlaver@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message [news:28A63267-710E-45D1-9CAE-0E28751F82C3@xxxxxxxxxxxxxxxxxxxx](mailto:news:28A63267-710E-45D1-9CAE-0E28751F82C3@xxxxxxxxxxxxxxxxxxxx)

Thanks for your reply!  
I checked the dll's you mentioned and they are all present in the (denug) image. When I look at the debugger output when inserting the card, I see

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the  
following (excuses for the formatting):

1341192 PID:43f8fb16 TID:83deba82 0x83debcc4: PCCARD: PCMCIA  
(dwWinIndex=0)  
memory window created  
1341193 PID:43f8fb16 TID:83deba82 0x83debcc4: PCCARD: PCMCIA  
(dwWinIndex=1)  
memory window created  
1341193 PID:43f8fb16 TID:83deba82 0x83debcc4: PCCARD: PCMCIA  
(dwWinIndex=0)  
memory window created  
1341194 PID:43f8fb16 TID:83deba82 0x83debcc4: PCCARD: PCMCIA  
(dwWinIndex=1)  
memory window created  
1341689 PID:43f8fb16 TID:83dde0aa 0x83e116b8: GetCardCRC:  
CardGetNextTuple  
returned fails  
1341800 PID:43f8fb16 TID:83dde0aa 0x83e116b8:  
DEVICE!RegReadActivationValues  
RegQueryValueEx(Drivers\PCCARD\PCMCIA\INSTANCE\PCMCIA1\Prefix)  
returned 2  
1341801 PID:43f8fb16 TID:83dde0aa 0x83e116b8:  
DEVICE!RegReadActivationValues  
RegQueryValueEx(Drivers\PCCARD\PCMCIA\INSTANCE\PCMCIA1\BusPrefix)  
returned 2  
1341814 PID:43f8fb16 TID:83dde0aa 0x83e116b8: >>> Loading module  
pcmcia.dll  
at address 0x01900000-0x01915000  
Loaded symbols for  
'C:\WINCE500\PBWORKSPACES\MYSANDGATE\RELDIR\SANDGATEII\_ARMV4I\_DEBUG\PCMCIA.DLL'  
1341874 PID:43f8fb16 TID:83dde0aa 0x83e116b8: CardBus.DLL  
DLL\_PROCESS\_ATTACH  
1341882 PID:43f8fb16 TID:83dde0aa 0x83e116b8: GetCardCRC:  
CardGetNextTuple  
returned fails  
1341897 PID:43f8fb16 TID:43bf0e32 0x83da9400: >>> Loading module  
serial.dll  
at address 0x03320000-0x0333B000 (RW data at  
0x01F39000-0x01F395C8)  
Loaded symbols for  
'C:\WINCE500\PBWORKSPACES\MYSANDGATE\RELDIR\SANDGATEII\_ARMV4I\_DEBUG\SERIAL.DLL'  
1341963 PID:43f8fb16 TID:43bf0e32 0x83da9400: <<< Unloading module  
serial.dll at address 0x03320000-0x0333B000 (RW data at  
0x01F39000-0x01F395C8)  
Unloaded symbols for  
'C:\WINCE500\PBWORKSPACES\MYSANDGATE\RELDIR\SANDGATEII\_ARMV4I\_DEBUG\SERIAL.DLL'  
1341976 PID:23fc34ee TID:43bf0e32 0x83da9400: RELFSD: Opening file  
NE2000.DLL from desktop  
1342837 PID:43f8fb16 TID:43bf0e32 0x83da9400: >>> Loading module  
ne2000.dll

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at address 0x01780000-0x01791000

Loaded symbols for

'C:\WINCE500\PBWORKSPACES\MYSANDGATE\RELDIR\SANDGATEIL\_ARMV4I\_DEBUG\N

1342894 PID:43f8fb16 TID:43bf0e32 0x83da9400: NE2000:

DLL\_PROCESS\_ATTACH

1342894 PID:43f8fb16 TID:43bf0e32 0x83da9400: DetectNE2000:

DevType = 4,

expected 6

1342896 PID:43f8fb16 TID:43bf0e32 0x83da9400: NE2000:

DLL\_PROCESS\_DETACH

1342897 PID:43f8fb16 TID:43bf0e32 0x83da9400: <<< Unloading module

ne2000.dll at address 0x01780000-0x01791000

Unloaded symbols for

'C:\WINCE500\PBWORKSPACES\MYSANDGATE\RELDIR\SANDGATEIL\_ARMV4I\_DEBUG\N

1342904 PID:43f8fb16 TID:43bf0e32 0x83da9400: INFO: Setting PCCARD

slot 0

voltage to 0v (off).

1342972 PID:c3d9b242 TID:43bf0e32 0x83da9400: DlgMgr: FindDlgItem

id 1

returning NULL.

Where PID:43f8fb16 is device.exe

What I understand from this is that the device.exe first loads a driver for

a serial card, then unloads it. Secondly it tries to load a doesNE2000 driver, then unloads it. I don't understand however why it doesnt try to load

a memory card driver, which is present in the image.

The output of mi mod at the shell prompt is:

M56: pcc\_mainstoneii.dll 83deb978 00000008 01950000 000000ff

M57: pcc\_serv.dll 83f0a0a8 00000008 01920000 00000003

M58: pcmcia.dll 83b16e14 00000008 01900000 00000003

I don't see pccard.dll however...

What could be the next step?

Thanks for your time!

C

"Bruce Eitman (eMVP)" wrote:

There can be different reasons for the result that you see:

1. No driver included in the device for the card that you are using

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2. PCMCIA timing is not set up right for your board
3. The driver as it came with PB is polling for interrupts – not so good for production

and possibly others.

First check that you actually have a driver for the card that you are using. Use a debug build of device.exe, pcc\_serv.dll, pcmcia.dll and your pccard.dll. These will provide you with significantly more information to go on to debug this problem. But, if the timing isn't right the message that you see in the debug output is just a symptom of the timing problem.

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Bruce Eitman (eMVP)  
Senior Engineer  
beitman AT applieddata DOT net

Applied Data Systems  
www.applieddata.net  
An ISO 9001:2000 Registered Company  
Microsoft WEP Gold-level Member

"C. Klaver" <C. Klaver@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>  
wrote in message  
[news:C015C3B8-4990-4E26-BDFA-F6208E3B7077@xxxxxxxxxxxxxxxxxxxx](mailto:news:C015C3B8-4990-4E26-BDFA-F6208E3B7077@xxxxxxxxxxxxxxxxxxxx)

Hi,  
I am working with a SandgateII eval board (PXA270). I got WCE 5.0 up and running. Now when I put in a Flash PCCARD into the slot I get a window with the title "Unidentified PCCARD Adapter" and the prompt "Enter the name of the driver for this PCCARD:". The entry field is filled with the text "Unknown card in socket xx" (where xx is increasing

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with each try).

As far as I can see, I have included in the OS the PCCARD drivers that

came

with the BSP, so I understood that the OS would see the driver and

load it

when needed.

Is there anything additional that I need to do in order to get PCCARD working?

I am pretty new to this field, so I might be asking something very

obvious

here. If so, sorry.