

Re: NIC fails in RELEASE build CE 5.0

Source:

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.platbuilder/2007-05/msg00804.html>

- *From:* "AllanL" <allan AT ByteWiseSG DOT com>
 - *Date:* Sat, 26 May 2007 09:17:24 -0400
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No, it isn't included in the registry anywhere. I have verified it in reginit.ini.
And in the SerialDebug version it is never loaded.

What could cause the card not to receive the DHCP(Offer) response? They are sent (I verified w/ wireshark)
The card sends a DHCP Discover, and the server sends a response (Offer), but the debug messages show it got no response, or ignored it.

Is there some special configuration needed for the ISA card? Mine is not a PCI card.

any help would be GREATLY appreciated.

thx

"Paul G. Tobey [eMVP]" <p space tobey no spam AT no instrument no spam DOT com> wrote in message news:%23oeKX8wnHHA.1244@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

There's a "how to use vmini" document in the VMINI directory. Make sure that you don't have the VMINI entries in the registry. You should be able to leave the DLL in the image, if you want.

Paul T.

"allanL" <alunk AT MCWW COM> wrote in message news:eQ9pWpwnHHA.4192@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

I think so....
How exactly do I remove it? I used
BSP_NOSHAREETH=1
KERNELNOSHAREETH=1
and un-checked (IMGNOKITL=1) in the build options. Is there something else I need to do? I don't see vmini loading when I use SerialDebug and look at the trace. How can I tell what exactly is included in my build?
4.2 had a batch file I could modify/read to see exactly what build variables were set. I can't seem to find it in 5.0.

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thx

"Paul G. Tobey [eMVP]" <p space tobey no spam AT no instrument no spam DOT com> wrote in message
[news:O\\$R6qeunHHA.3656@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:news:O$R6qeunHHA.3656@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)

And you did remove VMINI in the release build, right? The Ethernet controller can't serve two masters, so, if your OAL code is trying to operate it for VMINI/KITL and you also are trying to run the right driver on top of it, it won't work.

Paul T.

"AllanL" <allan AT ByteWiseSG DOT com> wrote in message
news:%23HSF3nnnHHA.3512@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx

I have a CEPC-GEODE PC/104 board with an NE2000 ISA NIC. When I use the VMINI driver in a debug build it works fine. In the release build, DHCP fails. Searching, it seems that similar problems are from not removing the vmini driver and KITL from the build. I have done this—at least I think I have.

Static IP also doesn't work—the board won't respond to a ping.

Here is what I have done in the build:

IMGNOKITL=1 (UN-check box - Build Options)
KERNELNOSHAREETH=1
BSP_NOSHAREETH=1
BSP_NIC_NE2000_ISA=1

I also have:

BSP_NOPCIBUS=1
BSP_NOPCMCI=1 (These are also in the debug build)

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In the DEBUG Build, none of these are set.
In the registry, I hav left the default settings,
with the exception of

setting port (0x2c0) and IRQ (5) as follows:

```
[HKEY_LOCAL_MACHINE\Comm\NE2000]
```

```
"DisplayName"=LOC_DISPLAYNAME_COMM_NE2000
```

```
"Group"="NDIS"
```

```
"ImagePath"="ne2000.dll"
```

```
[HKEY_LOCAL_MACHINE\Comm\NE2000\Linkage]
```

```
"Route"=multi_sz:"NE20001"
```

```
[HKEY_LOCAL_MACHINE\Comm\NE20001]
```

```
"DisplayName"=LOC_DISPLAYNAME_COMM_NE20001
```

```
"Group"="NDIS"
```

```
"ImagePath"="ne2000.dll"
```

```
[HKEY_LOCAL_MACHINE\Comm\NE20001\Parms]
```

```
"BusNumber"=dword:0
```

```
"BusType"=dword:1
```

```
"InterruptNumber"=dword:05
```

```
"IoBaseAddress"=dword:2C0
```

```
"Transceiver"=dword:3
```

```
"CardType"=dword:0
```

```
[HKEY_LOCAL_MACHINE\Comm\NE20001\Parms\TcpIp]
```

```
"EnableDHCP"=dword:1
```

```
"DefaultGateway"=""
```

```
"UseZeroBroadcast"=dword:0
```

```
"IpAddress"="0.0.0.0"
```

```
"Subnetmask"="0.0.0.0"
```

The CE board sends a "DHCP Discover message", and it gets an Offer message from the DHCP server, but the message is ignored—I never see a DHCP Request—instead it sends several more "DHCP Discover" messages.

I enabled serialDebug, but kept :

```
KERNELNOSHAREETH=1
```

```
BSP_NOSHAREETH=1
```

I get debug message through the serial port and I can see that the NIC is initialized and DHCP loads and tries to DHCP, but never sees the replys from the DHCP server (They are sent)

It looks like the board cannot receive any data.

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I am really stuck on this one!

thx