

Re: [brooks@FreeBSD.ORG: [src] cvs commit: src/etc pccard_ether]

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/current/2005-09/1106.html>

From: M. Warner Losh (*imp_at_bsdimp.com*)

Date: 09/29/05

Date: Wed, 28 Sep 2005 21:52:55 -0600 (MDT)

To: brooks@one-eyed-alien.net

In message: <20050928235033.GA13616@odin.ac.hmc.edu>

Brooks Davis <brooks@one-eyed-alien.net> writes:

: On Wed, Sep 28, 2005 at 05:14:17PM -0600, Warner Losh wrote:

: >> I've just committed the following change to /etc/pccard_ether. I think

: >> it's the right solution, but I'm concerned it may cause problems with

: >> drivers that incorrectly frob the IFF_UP flag themselves. If so it may

: >> be nessicary to revert this change temporarily or at least not MFC it.

:>

:> This change converts the "I already have an address" check to be a

:> "I'm up" which are two different things. dhclient leaves the

:> interface up when it exits, even if it can't get an address. I think

:> that might cause a lot of problems for people. I originally had this

:> test in pccard_ether, but changed it to checking for netmask because

:> roving from network to network didn't work without it on my laptop

:> with multiple network interfaces.

:

: I don't think dhclient's behavior will have any effect in the normal

: case. "pccard_ether <ifn> start" is only called on attach. It is not

: involved in any with the link state transitions caused by roving since

: those should not happen until after attach. The one POLA violation I

: can see is that you probably can't manually run pccard_ether's start

: mode twice without performing a stop first.

```
notify 0 {
    match "system" "IFNET";
    match "type" "LINK_UP";
    media-type "802.11";
    action "/etc/rc.d/dhclient start $subsystem";
};
```

was the case I was worried about, but I think that since it calls dhclient directly, we should be OK.

The original check was supposed to be there as a short-circuit. We called pccard_ether for *ALL* devices in the system when devd

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started. We didn't want it to do anything if the link had already been configured earlier in the boot process. Hence the check for a netmask. There were many scripts around that put wireless devices (esp ndis) into the 'up' state before calling pccard_ether so that it would associate with the AP. It would then be in the 'UP' state, but have no address.

Eg, you've broken:

```
ifconfig ndis0 ssid fred up
/etc/pccard_ether ndis0 start
```

Warner

freebsd-current@freebsd.org mailing list

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