

Re: [D800] Dell D800 (FBSD 5.2-release) Broadcom BCM5705M MTU/Jumbo Problem

Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/net/2004-01/0302.html>

From: Eric Anderson (*anderson_at_centtech.com*)

Date: 01/23/04

Date: Thu, 22 Jan 2004 19:59:38 -0600

To: Mike Hunter <mhunter@ack.Berkeley.EDU>

Mike Hunter wrote:

```
>Hi everybody,
>
>I'm going to be trying to get gigabit throughput between my laptop (Dell
>Latitude D800 running 5.2-release) and a shuttle box running FreeBSD 5.1
>(not in front of me at the moment.) As part of the process, I attempted
>to increase the frame size on my laptop, only to be greeted with
>disappointment:
>
>celest# ifconfig bge0
>bge0: flags=8802<BROADCAST,SIMPLEX,MULTICAST> mtu 1500
>options=1b<RXCSUM,TXCSUM,VLAN_MTU,VLAN_HWTAGGING>
>ether 00:0b:db:99:d6:06
>media: Ethernet 1000baseTX <full-duplex> (none)
>status: no carrier
>celest# ifconfig bge0 mtu 9000
>ifconfig: ioctl (set mtu): Invalid argument
>celest# ifconfig bge0 mtu 1501
>ifconfig: ioctl (set mtu): Invalid argument
>celest# ifconfig bge0 mtu 1500
>celest#
>
>The C file talks about being able to do jumbo frames when the mtu is big
>enough...anybody know what I'm missing? My card is a "Broadcom BCM5705M"
>and I'm running FreeBSD 5.2-release. When I asked google, it mostly
>pointed me at comments in if_bge.c talking about jumbo frames :|
>
>
```

As a data point, my BCM5702 (Dell D600) works fine:

```
# ifconfig -a
bge0: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> mtu 9000
options=1b<RXCSUM,TXCSUM,VLAN_MTU,VLAN_HWTAGGING>
inet6 fe80::20b:dbff:fea3:f9a1%bge0 prefixlen 64 scopeid 0x1
```

freebsd-net: Re: [D800] Dell D800 (FBSD 5.2-release) Broadcom BCM5705M MTU/Jumbo Problem

inet 0.0.0.0 netmask 0xff000000 broadcast 255.255.255.255
ether 00:0b:db:a3:f9:a1
media: Ethernet autoselect (none)
status: no carrier

Eric

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Eric Anderson Sr. Systems Administrator Centaur Technology
Today is the tomorrow you worried about yesterday.

freebsd-net@freebsd.org mailing list
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