

freebsd-net: Re: double vlans – once again.

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Source: <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/net/2004-12/0295.html>

From: Brooks Davis (*brooks_at_one-eyed-alien.net*)

Date: 12/20/04

Date: Mon, 20 Dec 2004 10:28:39 -0800
To: Mihail Balikov <misho@interbgc.com>

On Sat, Dec 18, 2004 at 08:57:58PM +0200, Mihail Balikov wrote:

```
> I have done this 2 years ago for FreeBSD 4-STABLE
>
> in sys/net/if_vlan.c in vlan_config(), replace
>
> if (p->if_data.ifi_type != IFT_ETHER)
> return EPROTONOSUPPORT;
>
> with
>
> if (p->if_data.ifi_type != IFT_ETHER &&
> p->if_data.ifi_type != IFT_L2VLAN)
> return EPROTONOSUPPORT;
```

Hmm, for -current this appears incomplete. I think the following is what is needed. Any one in a position to test this?

-- Brooks

Index: if_vlan.c

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=====
RCS file: /home/ncvs/src/sys/net/if_vlan.c,v
retrieving revision 1.73
diff -u -p -r1.73 if_vlan.c
--- if_vlan.c 15 Aug 2004 06:24:42 -0000 1.73
+++ if_vlan.c 20 Dec 2004 18:25:48 -0000
@@ -273,7 +273,8 @@ vlan_clone_match_ethertag(struct if_clon
/* Check for <etherif>.<vlan> style interface names. */
IFNET_RLOCK();
TAILQ_FOREACH(ifp, &ifnet, if_link) {
- if (ifp->if_type != IFT_ETHER)
+ if (ifp->if_type != IFT_ETHER &&
+ ifp->if_type != IFT_L2VLAN)
    continue;
    if (strncmp(ifp->if_xname, name, strlen(ifp->if_xname)) != 0)
        continue;
```

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```
@@ -566,6 +567,7 @@ vlan_input(struct ifnet *ifp, struct mbu
    } else {
        switch (ifp->if_type) {
            case IFT_ETHER:
+ case IFT_L2VLAN:
                if (m->m_len < sizeof(*evl) &&
                    (m = m_pullup(m, sizeof(*evl))) == NULL) {
                    if_printf(ifp, "cannot pullup VLAN header\n");
@@ -641,7 +643,8 @@ vlan_config(struct ifvlan *ifv, struct i

    VLAN_LOCK_ASSERT();

- if (p->if_data.ifi_type != IFT_ETHER)
+ if (p->if_data.ifi_type != IFT_ETHER &&
+ p->if_data.ifi_type != IFT_L2VLAN)
    return (EPROTONOSUPPORT);
    if (ifv->ifv_p)
        return (EBUSY);

--
Any statement of the form "X is the one, true Y" is FALSE.
PGP fingerprint 655D 519C 26A7 82E7 2529 9BF0 5D8E 8BE9 F238 1AD4
```

- application/pgp-signature attachment: [stored](#)