
Subject: [PATCH][VLAN]: Fix egress priority mappings leak.
Posted by [Pavel Emelianov](#) on Fri, 04 Apr 2008 09:44:01 GMT
[View Forum Message](#) <> [Reply to Message](#)

These entries are allocated in `vlan_dev_set_egress_priority`, but are never released and leaks on vlan device removal.

Drop these in vlan's `->uninit` callback - after the device is brought down and everyone is notified about it is going to be unregistered.

Found during testing vlan netnsization patchset.

Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

```
diff --git a/net/8021q/vlan_dev.c b/net/8021q/vlan_dev.c
index 480ea90..41a76a0 100644
--- a/net/8021q/vlan_dev.c
+++ b/net/8021q/vlan_dev.c
@@ -692,6 +692,20 @@ static int vlan_dev_init(struct net_device *dev)
    return 0;
}

+static void vlan_dev_uninit(struct net_device *dev)
+{
+ struct vlan_priority_tci_mapping *pm;
+ struct vlan_dev_info *vlan = vlan_dev_info(dev);
+ int i;
+
+ for (i = 0; i < ARRAY_SIZE(vlan->egress_priority_map); i++) {
+ while ((pm = vlan->egress_priority_map[i]) != NULL) {
+ vlan->egress_priority_map[i] = pm->next;
+ kfree(pm);
+ }
+ }
+}
+
void vlan_setup(struct net_device *dev)
{
    ether_setup(dev);
@@ -701,6 +715,7 @@ void vlan_setup(struct net_device *dev)

    dev->change_mtu = vlan_dev_change_mtu;
    dev->init = vlan_dev_init;
+ dev->uninit = vlan_dev_uninit;
    dev->open = vlan_dev_open;
```

```
dev->stop = vlan_dev_stop;
dev->set_mac_address = vlan_dev_set_mac_address;
```

Subject: Re: [PATCH][VLAN]: Fix egress priority mappings leak.

Posted by [Patrick McHardy](#) on Fri, 04 Apr 2008 09:45:58 GMT

[View Forum Message](#) <> [Reply to Message](#)

Pavel Emelyanov wrote:

> These entries are allocated in vlan_dev_set_egress_priority,
> but are never released and leaks on vlan device removal.

>

> Drop these in vlan's ->uninit callback - after the device is
> brought down and everyone is notified about it is going to
> be unregistered.

>

> Found during testing vlan netnsization patchset.

>

> Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

Good catch, thanks.

Acked-by: Patrick McHardy <kaber@trash.net>

Subject: Re: [PATCH][VLAN]: Fix egress priority mappings leak.

Posted by [davem](#) on Fri, 04 Apr 2008 19:45:50 GMT

[View Forum Message](#) <> [Reply to Message](#)

From: Patrick McHardy <kaber@trash.net>

Date: Fri, 04 Apr 2008 11:45:58 +0200

> Pavel Emelyanov wrote:

> > These entries are allocated in vlan_dev_set_egress_priority,
> > but are never released and leaks on vlan device removal.

> >

> > Drop these in vlan's ->uninit callback - after the device is
> > brought down and everyone is notified about it is going to
> > be unregistered.

> >

> > Found during testing vlan netnsization patchset.

> >

> > Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

>

> Good catch, thanks.

>

> Acked-by: Patrick McHardy <kaber@trash.net>

Applied, thanks a lot.
