Subject: [PATCH][VLAN]: Fix egress priority mappings leak.
Posted by Pavel Emelianov on Fri, 04 Apr 2008 09:44:01 GMT
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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
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Pavel Emelyanov wrote:
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>
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> 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
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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,
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> >
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> > 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.