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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>

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```
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;
```

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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:

```
> 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>

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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:  
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> >  
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> >  
> > Signed-off-by: Pavel Emelyanov <xemul@openvz.org>  
>  
> Good catch, thanks.  
>  
> Acked-by: Patrick McHardy <kaber@trash.net>
```

Applied, thanks a lot.

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