Subject: [PATCH][VLAN]: Proc entry is not renamed when vlan device name changes.
Posted by Pavel Emelianov on Mon, 31 Mar 2008 13:06:15 GMT
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This may lead to situations, when each of two proc entries produce
data for the other's device.

Looks like a BUG, so this patch is for net-2.6. It will not apply
to net-2.6.26 since dev->nd_net access is replaced with dev_net(dev)
one. Should I rework the patch to fit 2.6.26?

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

```
diff --git a/net/8021q/vlan.c b/net/8021q/vlan.c
index dbc81b9..b33410a 100644
--- a/net/8021q/vlan.c
+++ b/net/8021q/vlan.c
@@ -374,17 +374,35 @@ static void vlan_sync_address(struct net_device *dev,
  memcpy(vlan->real_dev_addr, dev->dev_addr, ETH_ALEN);
 }

+static void __vlan_device_event(struct net_device *dev, unsigned long event)
+{
+ switch (event) {
+ case NETDEV_CHANGENAME:
+  vlan_proc_rem_dev(dev);
+  if (vlan_proc_add_dev(dev) < 0)
+   pr_warning("8021q: failed to change proc name for %s\n",
+     dev->name);
+  break;
+ }
+}
+
 static int vlan_device_event(struct notifier_block *unused, unsigned long event,
         void *ptr)
 {
  struct net_device *dev = ptr;
- struct vlan_group *grp = __vlan_find_group(dev->ifindex);
+ struct vlan_group *grp;
  int i, flgs;
  struct net_device *vlandev;

  if (dev->nd_net != &init_net)
   return NOTIFY_DONE;
```

```
+ if (is_vlan_dev(dev)) {
+  __vlan_device_event(dev, event);
+  goto out;
+ }
+
+ grp = __vlan_find_group(dev->ifindex);
  if (!grp)
   goto out;

diff --git a/net/8021q/vlan.h b/net/8021q/vlan.h
index 73efcc7..51271ae 100644
--- a/net/8021q/vlan.h
+++ b/net/8021q/vlan.h
@@ -45,4 +45,9 @@ void vlan_netlink_fini(void);

 extern struct rtnl_link_ops vlan_link_ops;

+static inline int is_vlan_dev(struct net_device *dev)
+{
+ return dev->priv_flags & IFF_802_1Q_VLAN;
+}
+
 #endif /* !(__BEN_VLAN_802_1Q_INC__) */
diff --git a/net/8021q/vlanproc.c b/net/8021q/vlanproc.c
index 146cfb0..9671aa5 100644
--- a/net/8021q/vlanproc.c
+++ b/net/8021q/vlanproc.c
@@ -210,11 +210,6 @@ int vlan_proc_rem_dev(struct net_device *vlandev)
  * The following few functions build the content of /proc/net/vlan/config
  */

-static inline int is_vlan_dev(struct net_device *dev)
-{
- return dev->priv_flags & IFF_802_1Q_VLAN;
-}
-
 /* start read of /proc/net/vlan/config */
 static void *vlan_seq_start(struct seq_file *seq, loff_t *pos)
  __acquires(dev_base_lock)
```