
Subject: [PATCH 13/14][VLAN]: Allows vlan devices registration in net namespace.
Posted by [Pavel Emelianov](#) on Thu, 10 Apr 2008 14:59:32 GMT

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This one is similar to what I've done for TUN - set the proper net after device allocation and clean VLANs on net exit.

Plus, drop explicit init_net usage.

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

```
---
net/8021q/vlan.c      | 7 +++----
net/8021q/vlan_dev.c  | 3 ---
net/8021q/vlan_netlink.c | 2 +-
3 files changed, 4 insertions(+), 8 deletions(-)

diff --git a/net/8021q/vlan.c b/net/8021q/vlan.c
index 5cacad0..7e9d22e 100644
--- a/net/8021q/vlan.c
+++ b/net/8021q/vlan.c
@@ -340,6 +340,7 @@ static int register_vlan_device(struct net_device *real_dev,
    if (new_dev == NULL)
        return -ENOBUFFS;

+ dev_net_set(new_dev, net);
    /* need 4 bytes for extra VLAN header info,
     * hope the underlying device can handle it.
     */
@@ -406,9 +407,6 @@ static int vlan_device_event(struct notifier_block *unused, unsigned long
event,
    int i, flgs;
    struct net_device *vlandev;

- if (dev_net(dev) != &init_net)
- return NOTIFY_DONE;
-
    if (is_vlan_dev(dev)) {
        __vlan_device_event(dev, event);
        goto out;
@@ -534,7 +532,7 @@ static int vlan_ioctl_handler(struct net *net, void __user *arg)
    case GET_VLAN_REALDEV_NAME_CMD:
    case GET_VLAN_VID_CMD:
        err = -ENODEV;
- dev = __dev_get_by_name(&init_net, args.device1);
+ dev = __dev_get_by_name(net, args.device1);
    if (!dev)
        goto out;
```

```

@@ -665,6 +663,7 @@ static void vlan_exit_net(struct net *net)
    struct vlan_net *vn;

    vn = net_generic(net, vlan_net_id);
+   rtnl_kill_links(net, &vlan_link_ops);
    vlan_proc_cleanup(net);
    kfree(vn);
}
diff --git a/net/8021q/vlan_dev.c b/net/8021q/vlan_dev.c
index 0e3b2d3..9fa6b90 100644
--- a/net/8021q/vlan_dev.c
+++ b/net/8021q/vlan_dev.c
@@ -153,9 +153,6 @@ int vlan_skb_recv(struct sk_buff *skb, struct net_device *dev,
    struct net_device_stats *stats;
    unsigned short vlan_TCI;

-   if (dev_net(dev) != &init_net)
-       goto err_free;
-
    skb = skb_share_check(skb, GFP_ATOMIC);
    if (skb == NULL)
        goto err_free;
diff --git a/net/8021q/vlan_netlink.c b/net/8021q/vlan_netlink.c
index e32eeb3..c93e69e 100644
--- a/net/8021q/vlan_netlink.c
+++ b/net/8021q/vlan_netlink.c
@@ -113,7 +113,7 @@ static int vlan_newlink(struct net_device *dev,

    if (!tb[IFLA_LINK])
        return -EINVAL;
-   real_dev = __dev_get_by_index(&init_net, nla_get_u32(tb[IFLA_LINK]));
+   real_dev = __dev_get_by_index(dev_net(dev), nla_get_u32(tb[IFLA_LINK]));
    if (!real_dev)
        return -ENODEV;

--
1.5.3.4

```

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