Subject: [PATCH 12/14][VLAN]: Make vlan_name_type per-net.
Posted by Pavel Emelianov on Thu, 10 Apr 2008 14:58:19 GMT
View Forum Message <> Reply to Message

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

---
 net/8021q/vlan.c | 14 +++++++++-----
 net/8021q/vlan.h | 4 ++--
 net/8021q/vlanproc.c | 7 +++++--
 3 files changed, 16 insertions(+), 9 deletions(-)

diff --git a/net/8021q/vlan.c b/net/8021q/vlan.c
index 541542e..5cacad0 100644
--- a/net/8021q/vlan.c
+++ b/net/8021q/vlan.c
@@ -52,9 +52,6 @@ static char vlan_version[] = DRV_VERSION;
 static char vlan_copyright[] = "Ben Greear <greearb@candelatech.com>";
 static char vlan_buggyright[] = "David S. Miller <davem@redhat.com>";

-/* Determines interface naming scheme. */
-unsigned short vlan_name_type = VLAN_NAME_TYPE_RAW_PLUS_VID_NO_PAD;
-
 static struct packet_type vlan_packet_type = {
  .type = __constant_htons(ETH_P_8021Q),
  .func = vlan_skb_recv, /* VLAN receive method */
@@ -299,6 +296,8 @@ static int register_vlan_device(struct net_device *real_dev,
     unsigned short VLAN_ID)
 {
  struct net_device *new_dev;
+ struct net *net = dev_net(real_dev);
+ struct vlan_net *vn = net_generic(net, vlan_net_id);
  char name[IFNAMSIZ];
  int err;

@@ -310,7 +309,7 @@ static int register_vlan_device(struct net_device *real_dev,
   return err;

  /* Gotta set up the fields for the device. */
- switch (vlan_name_type) {
+ switch (vn->name_type) {
  case VLAN_NAME_TYPE_RAW_PLUS_VID:
   /* name will look like: eth1.0005 */
   snprintf(name, IFNAMSIZ, "%s.%.4i", real_dev->name, VLAN_ID);
@@ -580,7 +579,10 @@ static int vlan_ioctl_handler(struct net *net, void __user *arg)
    break;
   if ((args.u.name_type >= 0) &&
       (args.u.name_type < VLAN_NAME_TYPE_HIGHEST)) {

```
-   vlan_name_type = args.u.name_type;
+   struct vlan_net *vn;
+
+   vn = net_generic(net, vlan_net_id);
+   vn->name_type = args.u.name_type;
    err = 0;
   } else {
    err = -EINVAL;
@@ -642,6 +644,8 @@ static int vlan_init_net(struct net *net)
  if (err < 0)
   goto err_assign;

+ vn->name_type = VLAN_NAME_TYPE_RAW_PLUS_VID_NO_PAD;
+
  err = vlan_proc_init(net);
  if (err < 0)
   goto err_proc;
diff --git a/net/8021q/vlan.h b/net/8021q/vlan.h
index 7258357..5229a72 100644
--- a/net/8021q/vlan.h
+++ b/net/8021q/vlan.h
@@ -3,8 +3,6 @@

 #include <linux/if_vlan.h>

-extern unsigned short vlan_name_type;
-
 #define VLAN_GRP_HASH_SHIFT 5
 #define VLAN_GRP_HASH_SIZE (1 << VLAN_GRP_HASH_SHIFT)
 #define VLAN_GRP_HASH_MASK (VLAN_GRP_HASH_SIZE - 1)
@@ -59,6 +57,8 @@ struct vlan_net {
  struct proc_dir_entry *proc_vlan_dir;
  /* /proc/net/vlan/config */
  struct proc_dir_entry *proc_vlan_conf;
+ /* Determines interface naming scheme. */
+ unsigned short name_type;
 };

 #endif /* !(__BEN_VLAN_802_1Q_INC__) */
diff --git a/net/8021q/vlanproc.c b/net/8021q/vlanproc.c
index cc17b72..daad006 100644
--- a/net/8021q/vlanproc.c
+++ b/net/8021q/vlanproc.c
@@ -260,13 +260,16 @@ static void vlan_seq_stop(struct seq_file *seq, void *v)

 static int vlan_seq_show(struct seq_file *seq, void *v)
 {
+ struct net *net = seq_file_net(seq);
```

```
+ struct vlan_net *vn = net_generic(net, vlan_net_id);
+
  if (v == SEQ_START_TOKEN) {
   const char *nmtype = NULL;

   seq_puts(seq, "VLAN Dev name  | VLAN ID\n");

-  if (vlan_name_type < ARRAY_SIZE(vlan_name_type_str))
-      nmtype =  vlan_name_type_str[vlan_name_type];
+  if (vn->name_type < ARRAY_SIZE(vlan_name_type_str))
+      nmtype =  vlan_name_type_str[vn->name_type];

   seq_printf(seq, "Name-Type: %s\n",
       nmtype ? nmtype :  "UNKNOWN");
--
1.5.3.4
```

_____
Containers mailing list
Containers@lists.linux-foundation.org
https://lists.linux-foundation.org/mailman/listinfo/containers