
Subject: [PATCH 10/14][VLAN]: Create proc files in proper net.
Posted by [Pavel Emelianov](#) on Thu, 10 Apr 2008 14:55:44 GMT
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This is essentially a PATCH #9 part 2 - use the net pointer passed in.

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

```
net/8021q/vlan.h      | 6 ++++++
net/8021q/vlanproc.c | 44 ++++++++++++++++++++++++++++++++++++++-----
2 files changed, 23 insertions(+), 27 deletions(-)
```

```
diff --git a/net/8021q/vlan.h b/net/8021q/vlan.h
```

```
index f27d8d6..7258357 100644
```

```
--- a/net/8021q/vlan.h
```

```
+++ b/net/8021q/vlan.h
```

```
@@ -52,7 +52,13 @@ static inline int is_vlan_dev(struct net_device *dev)
```

```
extern int vlan_net_id;
```

```
+struct proc_dir_entry;
```

```
+
```

```
struct vlan_net {
```

```
+ /* /proc/net/vlan */
```

```
+ struct proc_dir_entry *proc_vlan_dir;
```

```
+ /* /proc/net/vlan/config */
```

```
+ struct proc_dir_entry *proc_vlan_conf;
```

```
};
```

```
#endif /* !(__BEN_VLAN_802_1Q_INC__) */
```

```
diff --git a/net/8021q/vlanproc.c b/net/8021q/vlanproc.c
```

```
index 4d13aeb..995544b 100644
```

```
--- a/net/8021q/vlanproc.c
```

```
+++ b/net/8021q/vlanproc.c
```

```
@@ -34,6 +34,7 @@
```

```
#include <linux/netdevice.h>
```

```
#include <linux/if_vlan.h>
```

```
#include <net/net_namespace.h>
```

```
+#include <net/netns/generic.h>
```

```
#include "vlanproc.h"
```

```
#include "vlan.h"
```

```
@@ -111,18 +112,6 @@ static const struct file_operations vlandev_fops = {
```

```
 * Proc filesystem directory entries.
```

```
 */
```

```

-/*
- * /proc/net/vlan
- */
-
-static struct proc_dir_entry *proc_vlan_dir;
-
-/*
- * /proc/net/vlan/config
- */
-
-static struct proc_dir_entry *proc_vlan_conf;
-
/* Strings */
static const char *vlan_name_type_str[VLAN_NAME_TYPE_HIGHEST] = {
    [VLAN_NAME_TYPE_RAW_PLUS_VID] = "VLAN_NAME_TYPE_RAW_PLUS_VID",
@@ -140,14 +129,13 @@ static const char
*vlan_name_type_str[VLAN_NAME_TYPE_HIGHEST] = {

void vlan_proc_cleanup(struct net *net)
{
- if (net != &init_net)
- return;
+ struct vlan_net *vn = net_generic(net, vlan_net_id);

- if (proc_vlan_conf)
- remove_proc_entry(name_conf, proc_vlan_dir);
+ if (vn->proc_vlan_conf)
+ remove_proc_entry(name_conf, vn->proc_vlan_dir);

- if (proc_vlan_dir)
- proc_net_remove(&init_net, name_root);
+ if (vn->proc_vlan_dir)
+ proc_net_remove(net, name_root);

/* Dynamically added entries should be cleaned up as their vlan_device
* is removed, so we should not have to take care of it here...
@@ -160,16 +148,15 @@ void vlan_proc_cleanup(struct net *net)

int vlan_proc_init(struct net *net)
{
- if (net != &init_net)
- return 0;
+ struct vlan_net *vn = net_generic(net, vlan_net_id);

- proc_vlan_dir = proc_mkdir(name_root, init_net.proc_net);
- if (!proc_vlan_dir)
+ vn->proc_vlan_dir = proc_net_mkdir(net, name_root, net->proc_net);
+ if (!vn->proc_vlan_dir)

```

```

goto err;

- proc_vlan_conf = proc_create(name_conf, S_IFREG|S_IRUSR|S_IWUSR,
-   proc_vlan_dir, &vlan_fops);
- if (!proc_vlan_conf)
+ vn->proc_vlan_conf = proc_create(name_conf, S_IFREG|S_IRUSR|S_IWUSR,
+   vn->proc_vlan_dir, &vlan_fops);
+ if (!vn->proc_vlan_conf)
    goto err;
    return 0;

```

```

@@ -186,9 +173,10 @@ err:
int vlan_proc_add_dev(struct net_device *vlandev)
{
    struct vlan_dev_info *dev_info = vlan_dev_info(vlandev);
+ struct vlan_net *vn = net_generic(dev_net(vlandev), vlan_net_id);

    dev_info->dent = proc_create(vlandev->name, S_IFREG|S_IRUSR|S_IWUSR,
-   proc_vlan_dir, &vlandev_fops);
+   vn->proc_vlan_dir, &vlandev_fops);
    if (!dev_info->dent)
        return -ENOBUFFS;

```

```

@@ -201,10 +189,12 @@ int vlan_proc_add_dev(struct net_device *vlandev)
    */
int vlan_proc_rem_dev(struct net_device *vlandev)
{
+ struct vlan_net *vn = net_generic(dev_net(vlandev), vlan_net_id);
+
    /** NOTE: This will consume the memory pointed to by dent, it seems. */
    if (vlan_dev_info(vlandev)->dent) {
        remove_proc_entry(vlan_dev_info(vlandev)->dent->name,
-   proc_vlan_dir);
+   vn->proc_vlan_dir);
        vlan_dev_info(vlandev)->dent = NULL;
    }
    return 0;
--

```

1.5.3.4

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Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>
