
Subject: [patch 07/20] [Network namespace] Temporary remove the loopback initialization for layer 3. Allow I3

Posted by [Daniel Lezcano](#) on Sun, 10 Dec 2006 21:58:24 GMT

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net/core/net_namespace.c | 32 ++++++-----
1 files changed, 19 insertions(+), 13 deletions(-)

Index: 2.6.19-rc6-mm2/net/core/net_namespace.c

```
=====
--- 2.6.19-rc6-mm2.orig/net/core/net_namespace.c
+++ 2.6.19-rc6-mm2/net/core/net_namespace.c
@@ -46,14 +46,12 @@ static struct net_namespace *clone_net_n
     if (current_net_ns->level == NET_NS_LEVEL3)
         return ERR_PTR(-EPERM);

- ns = kmalloc(sizeof(struct net_namespace), GFP_KERNEL);
+ ns = kmemdup(old_ns, sizeof(struct net_namespace), GFP_KERNEL);
     if (!ns)
         return NULL;

     kref_init(&ns->kref);
     ns->ns = old_ns->ns;
- ns->dev_base_p = NULL;
- ns->dev_tail_p = &ns->dev_base_p;
     ns->hash = net_random();
     INIT_LIST_HEAD(&ns->child_list);
     spin_lock_irq(&net_ns_list_lock);
@@ -63,15 +61,20 @@ static struct net_namespace *clone_net_n
     spin_unlock_irq(&net_ns_list_lock);

     if (level == NET_NS_LEVEL2) {
+
+ ns->dev_base_p = NULL;
+ ns->dev_tail_p = &ns->dev_base_p;
+
+ #ifdef CONFIG_IP_MULTIPLE_TABLES
         INIT_LIST_HEAD(&ns->fib_rules_ops_list);
     #endif
     if (ip_fib_struct_init(ns))
         goto out_fib4;
+ if (loopback_init(ns))
+     goto out_loopback;
     }
}
```

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    ns->level = level;
- if (loopback_init(ns))
- goto out_loopback;
+
    printk(KERN_DEBUG "NET_NS: created new netcontext %p, level %u, "
        "for %s (pid=%d)\n", ns, (ns->level == NET_NS_LEVEL2) ?
        2 : 3, current->comm, current->tgid);
@@ -133,16 +136,19 @@ void free_net_ns(struct kref *kref)
    spin_unlock_irqrestore(&net_ns_list_lock, flags);
    put_net_ns(ns->parent);

- unregister_netdev(ns->loopback_dev_p);
- if (ns->dev_base_p != NULL) {
-     printk("NET_NS: BUG: namespace %p has devices! ref %d\n",
-         ns, atomic_read(&ns->kref.refcount));
-     return;
- }
- if (ns->level == NET_NS_LEVEL2)
+ if (ns->level == NET_NS_LEVEL2) {
    ip_fib_struct_cleanup();
+ unregister_netdev(ns->loopback_dev_p);
+ if (ns->dev_base_p != NULL) {
+     printk("NET_NS: BUG: namespace %p has devices! ref %d\n",
+         ns, atomic_read(&ns->kref.refcount));
+     return;
+ }
+ }
+
    printk(KERN_DEBUG "NET_NS: net namespace %p (%u) destroyed\n",
-     ns, ns->id);
+     ns, ns->id);
+
    kfree(ns);
}
/* because of put_net_ns() */

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```

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