
Subject: [PATCH 6/14][RTNL]: Introduce the rtnl_kill_links call.
Posted by [Pavel Emelianov](#) on Thu, 10 Apr 2008 14:52:33 GMT
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... which will kill all the devices in the given net with
the given rtnl_link_ops. Will be used in VLAN patches later.

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

```
include/net/rtnetlink.h | 1 +
net/core/rtnetlink.c    | 29 ++++++
2 files changed, 22 insertions(+), 8 deletions(-)
```

```
diff --git a/include/net/rtnetlink.h b/include/net/rtnetlink.h
index 793863e..3c1895e 100644
```

```
--- a/include/net/rtnetlink.h
+++ b/include/net/rtnetlink.h
@@ -74,6 +74,7 @@ struct rtnl_link_ops {
```

```
extern int __rtnl_link_register(struct rtnl_link_ops *ops);
extern void __rtnl_link_unregister(struct rtnl_link_ops *ops);
+extern void rtnl_kill_links(struct net *net, struct rtnl_link_ops *ops);
```

```
extern int rtnl_link_register(struct rtnl_link_ops *ops);
extern void rtnl_link_unregister(struct rtnl_link_ops *ops);
```

```
diff --git a/net/core/rtnetlink.c b/net/core/rtnetlink.c
index da99ac0..bc39e41 100644
```

```
--- a/net/core/rtnetlink.c
+++ b/net/core/rtnetlink.c
@@ -269,6 +269,26 @@ int rtnl_link_register(struct rtnl_link_ops *ops)
```

```
EXPORT_SYMBOL_GPL(rtnl_link_register);
```

```
+static void __rtnl_kill_links(struct net *net, struct rtnl_link_ops *ops)
```

```
+{
+ struct net_device *dev;
+restart:
+ for_each_netdev(net, dev) {
+ if (dev->rtnl_link_ops == ops) {
+ ops->dellink(dev);
+ goto restart;
+ }
+ }
+}
```

```
+void rtnl_kill_links(struct net *net, struct rtnl_link_ops *ops)
+{
```

```

+ rtnl_lock();
+ __rtnl_kill_links(net, ops);
+ rtnl_unlock();
+}
+EXPORT_SYMBOL_GPL(rtnl_kill_links);
+
/**
 * __rtnl_link_unregister - Unregister rtnl_link_ops from rtnetlink.
 * @ops: struct rtnl_link_ops * to unregister
@@ -277,17 +297,10 @@ EXPORT_SYMBOL_GPL(rtnl_link_unregister);
 */
void __rtnl_link_unregister(struct rtnl_link_ops *ops)
{
- struct net_device *dev, *n;
- struct net *net;

- for_each_net(net) {
-restart:
- for_each_netdev_safe(net, dev, n) {
- if (dev->rtnl_link_ops == ops) {
- ops->dellink(dev);
- goto restart;
- }
- }
+ __rtnl_kill_links(net, ops);
+ }
+ list_del(&ops->list);
+ }
--
1.5.3.4

```

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