
Subject: [PATCH 5/6] [NETNS]: Add a namespace mark to fib_info.

Posted by [den](#) on Thu, 31 Jan 2008 12:00:49 GMT

[View Forum Message](#) <> [Reply to Message](#)

This is required to make fib_info lookups namespace aware. In the other case initial namespace devices are marked as dead in the local routing table during other namespace stop.

Signed-off-by: Denis V. Lunev <den@openvz.org>

```
include/net/ip_fib.h    | 1 +
net/ipv4/fib_semantics.c | 8 ++++----
2 files changed, 5 insertions(+), 4 deletions(-)
```

```
diff --git a/include/net/ip_fib.h b/include/net/ip_fib.h
```

```
index 1b2f008..cb0df37 100644
```

```
--- a/include/net/ip_fib.h
```

```
+++ b/include/net/ip_fib.h
```

```
@@ -69,6 +69,7 @@ struct fib_nh {
```

```
    struct fib_info {
```

```
        struct hlist_node fib_hash;
```

```
        struct hlist_node fib_lhash;
```

```
+ struct net *fib_net;
```

```
    int fib_treeref;
```

```
    atomic_t fib_clntref;
```

```
    int fib_dead;
```

```
diff --git a/net/ipv4/fib_semantics.c b/net/ipv4/fib_semantics.c
```

```
index 5beff2e..97cc494 100644
```

```
--- a/net/ipv4/fib_semantics.c
```

```
+++ b/net/ipv4/fib_semantics.c
```

```
@@ -687,6 +687,7 @@ struct fib_info *fib_create_info(struct fib_config *cfg)
```

```
    struct fib_info *fi = NULL;
```

```
    struct fib_info *ofi;
```

```
    int nhs = 1;
```

```
+ struct net *net = cfg->fc_nlinfoml_net;
```

```
    /* Fast check to catch the most weird cases */
```

```
    if (fib_props[cfg->fc_type].scope > cfg->fc_scope)
```

```
@@ -727,6 +728,7 @@ struct fib_info *fib_create_info(struct fib_config *cfg)
```

```
        goto failure;
```

```
        fib_info_cnt++;
```

```
+ fi->fib_net = net;
```

```
    fi->fib_protocol = cfg->fc_protocol;
```

```
    fi->fib_flags = cfg->fc_flags;
```

```
    fi->fib_priority = cfg->fc_priority;
```

```
@@ -798,8 +800,7 @@ struct fib_info *fib_create_info(struct fib_config *cfg)
```

```
    if (nhs != 1 || nh->nh_gw)
```

```

    goto err_inval;
    nh->nh_scope = RT_SCOPE_NOWHERE;
-   nh->nh_dev = dev_get_by_index(cfg->fc_nlnfo.nl_net,
-       fi->fib_nh->nh_oif);
+   nh->nh_dev = dev_get_by_index(net, fi->fib_nh->nh_oif);
    err = -ENODEV;
    if (nh->nh_dev == NULL)
        goto failure;
@@ -813,8 +814,7 @@ struct fib_info *fib_create_info(struct fib_config *cfg)
    if (fi->fib_prefsrc) {
        if (cfg->fc_type != RTN_LOCAL || !cfg->fc_dst ||
            fi->fib_prefsrc != cfg->fc_dst)
-       if (inet_addr_type(cfg->fc_nlnfo.nl_net,
-           fi->fib_prefsrc) != RTN_LOCAL)
+       if (inet_addr_type(net, fi->fib_prefsrc) != RTN_LOCAL)
            goto err_inval;
    }

--
1.5.3.rc5

```
