
Subject: [PATCH 3/3 net-2.6.25] Process FIB rule action in the context of the namespace.

Posted by [den](#) on Thu, 17 Jan 2008 10:09:18 GMT

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Save namespace context on the fib rule at the rule creation time and call routing lookup in the correct namespace.

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

Acked-by: Daniel Lezcano <dlezcano@fr.ibm.com>

```
include/net/fib_rules.h | 1 +
net/core/fib_rules.c   | 2 ++
net/ipv4/fib_rules.c   | 2 +-
3 files changed, 4 insertions(+), 1 deletions(-)
```

diff --git a/include/net/fib_rules.h b/include/net/fib_rules.h

index 7f9f4ae..34349f9 100644

--- a/include/net/fib_rules.h

+++ b/include/net/fib_rules.h

@@ -22,6 +22,7 @@ struct fib_rule

```
    u32    target;
    struct fib_rule * ctarget;
    struct rcu_head rcu;
```

```
+ struct net * fr_net;
};
```

```
struct fib_lookup_arg
```

diff --git a/net/core/fib_rules.c b/net/core/fib_rules.c

index 3cd4f13..42ccaf5 100644

--- a/net/core/fib_rules.c

+++ b/net/core/fib_rules.c

@@ -29,6 +29,7 @@ int fib_default_rule_add(struct fib_rules_ops *ops,

```
    r->pref = pref;
    r->table = table;
    r->flags = flags;
```

```
+ r->fr_net = ops->fr_net;
```

```
/* The lock is not required here, the list is unreachable
 * at the moment this function is called */
```

@@ -242,6 +243,7 @@ static int fib_nl_newrule(struct sk_buff *skb, struct nlmsg_hdr* nlh, void *arg)

```
    err = -ENOMEM;
    goto errout;
}
```

```
+ rule->fr_net = net;
```

```
if (tb[FRA_PRIORITY])
```

```
rule->pref = nla_get_u32(tb[FRA_PRIORITY]);
diff --git a/net/ipv4/fib_rules.c b/net/ipv4/fib_rules.c
index 3b7affd..d2001f1 100644
--- a/net/ipv4/fib_rules.c
+++ b/net/ipv4/fib_rules.c
@@ -91,7 +91,7 @@ static int fib4_rule_action(struct fib_rule *rule, struct flowi *flp,
    goto errout;
}

- if ((tbl = fib_get_table(&init_net, rule->table)) == NULL)
+ if ((tbl = fib_get_table(rule->fr_net, rule->table)) == NULL)
    goto errout;

err = tbl->tb_lookup(tbl, flp, (struct fib_result *) arg->result);
--
1.5.3.rc5
```
