
Subject: [PATCH 1/6] [IPV4]: Fix memory leak on error path during FIB initialization.
Posted by [den](#) on Thu, 31 Jan 2008 12:00:45 GMT

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net->ipv4.fib_table_hash is not freed when fib4_rules_init failed. The problem
has been introduced by the following commit.

commit c8050bf6d84785a7edd2e81591e8f833231477e8

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Date: Thu Jan 10 03:28:24 2008 -0800

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

net/ipv4/fib_frontend.c | 10 ++++++++
1 files changed, 9 insertions(+), 1 deletions(-)

```
diff --git a/net/ipv4/fib_frontend.c b/net/ipv4/fib_frontend.c
index d282618..d0507f4 100644
--- a/net/ipv4/fib_frontend.c
+++ b/net/ipv4/fib_frontend.c
@@ -975,6 +975,7 @@ static struct notifier_block fib_netdev_notifier = {
```

```
static int __net_init ip_fib_net_init(struct net *net)
{
+ int err;
 unsigned int i;
```

```
    net->ipv4.fib_table_hash = kzalloc(
@@ -985,7 +986,14 @@ static int __net_init ip_fib_net_init(struct net *net)
    for (i = 0; i < FIB_TABLE_HASHSZ; i++)
        INIT_HLIST_HEAD(&net->ipv4.fib_table_hash[i]);
```

```
- return fib4_rules_init(net);
+ err = fib4_rules_init(net);
+ if (err < 0)
+     goto fail;
+ return 0;
+
+fail:
+ kfree(net->ipv4.fib_table_hash);
+ return err;
}
```

```
static void __net_exit ip_fib_net_exit(struct net *net)
```

--

1.5.3.rc5
