
Subject: [PATCH net-2.6.26][IPV6]: Fix potential net leak and oops in ipv6 routing code.

Posted by [Pavel Emelianov](#) on Wed, 26 Mar 2008 15:55:47 GMT

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The commits f3db4851 ([NETNS][IPV6] ip6_fib - fib6_clean_all handle several network namespaces) and 69ddb805 ([NETNS][IPV6] route6 - Make proc entry /proc/net/r6_stats per namespace) made some proc files per net.

Both of them introduced potential OOPS - get_proc_net can return NULL, but this check is lost - and a struct net leak - in case single_open() fails the previously got net is not put.

Kill all these bugs with one patch.

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

diff --git a/net/ipv6/route.c b/net/ipv6/route.c

index ac44283..cd82b6d 100644

--- a/net/ipv6/route.c

+++ b/net/ipv6/route.c

@@ -2390,10 +2390,18 @@ static int ipv6_route_show(struct seq_file *m, void *v)

static int ipv6_route_open(struct inode *inode, struct file *file)

```
{
+ int err;
  struct net *net = get_proc_net(inode);
  if (!net)
    return -ENXIO;
- return single_open(file, ipv6_route_show, net);
+
+ err = single_open(file, ipv6_route_show, net);
+ if (err < 0) {
+  put_net(net);
+  return err;
+ }
+
+ return 0;
}
```

static int ipv6_route_release(struct inode *inode, struct file *file)

@@ -2429,8 +2437,18 @@ static int rt6_stats_seq_show(struct seq_file *seq, void *v)

static int rt6_stats_seq_open(struct inode *inode, struct file *file)

```
{
+ int err;
```

```
    struct net *net = get_proc_net(inode);  
- return single_open(file, rt6_stats_seq_show, net);  
+ if (!net)  
+ return -ENXIO;  
+  
+ err = single_open(file, rt6_stats_seq_show, net);  
+ if (err < 0) {  
+ put_net(net);  
+ return err;  
+ }  
+  
+ return 0;  
}
```

```
static int rt6_stats_seq_release(struct inode *inode, struct file *file)
```
