
Subject: [patch 25/38][IPV6] route6 - create route6 proc files for the namespace

Posted by [Daniel Lezcano](#) on Mon, 03 Dec 2007 16:17:01 GMT

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Make /proc/net/ipv6_route and /proc/net/route6_stats to be per namespace.
These proc files are now created when the network namespace is initialized.

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net/ipv6/route.c | 27 ++++++++-----

1 file changed, 21 insertions(+), 6 deletions(-)

Index: linux-2.6-netns/net/ipv6/route.c

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--- linux-2.6-netns.orig/net/ipv6/route.c

+++ linux-2.6-netns/net/ipv6/route.c

@@ -2486,6 +2486,24 @@ ctl_table ipv6_route_table[] = {

#endif

+static int ip6_route_net_init(struct net *net)

+{

+ proc_net_fops_create(net, "ipv6_route", 0, &ipv6_route_proc_fops);

+ proc_net_fops_create(net, "rt6_stats", S_IRUGO, &rt6_stats_seq_fops);

+ return 0;

+}

+

+static void ip6_route_net_exit(struct net *net)

+{

+ proc_net_remove(net, "ipv6_route");

+ proc_net_remove(net, "rt6_stats");

+}

+

+static struct pernet_operations ip6_route_net_ops = {

+ .init = ip6_route_net_init,

+ .exit = ip6_route_net_exit,

+};

+

void __init ip6_route_init(void)

{

ip6_dst_ops.kmem_cachep =

@@ -2493,9 +2511,8 @@ void __init ip6_route_init(void)

SLAB_HWCACHE_ALIGN|SLAB_PANIC, NULL);

ip6_dst_blackhole_ops.kmem_cachep = ip6_dst_ops.kmem_cachep;

+ register_pernet_subsys(&ip6_route_net_ops);

fib6_init();

```

- proc_net_fops_create(&init_net, "ipv6_route", 0, &ipv6_route_proc_fops);
- proc_net_fops_create(&init_net, "rt6_stats", S_IRUGO, &rt6_stats_seq_fops);
#ifdef CONFIG_XFRM
    xfrm6_init();
#endif
@@ -2510,13 +2527,11 @@ void __init ip6_route_init(void)

void ip6_route_cleanup(void)
{
+ unregister_pernet_subsys(&ip6_route_net_ops);
+
#ifdef CONFIG_IPV6_MULTIPLE_TABLES
    fib6_rules_cleanup();
#endif
-#ifdef CONFIG_PROC_FS
- proc_net_remove(&init_net, "ipv6_route");
- proc_net_remove(&init_net, "rt6_stats");
-#endif
#ifdef CONFIG_XFRM
    xfrm6_fini();
#endif

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