
Subject: [patch 22/38][IPV6] rt6_stats - dynamically allocate the rt6_stats

Posted by [Daniel Lezcano](#) on Mon, 03 Dec 2007 16:16:58 GMT

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This patch allocates the rt6_stats struct dynamically when the fib6 is initialized. That provides the ability to create several instances of this structure for the network namespaces.

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

Signed-off-by: Benjamin Thery <benjamin.thery@bull.net>

net/ipv6/ipv6_fib.c | 8 ++++++--

1 file changed, 6 insertions(+), 2 deletions(-)

Index: linux-2.6-netns/net/ipv6/ipv6_fib.c

=====

--- linux-2.6-netns.orig/net/ipv6/ipv6_fib.c

+++ linux-2.6-netns/net/ipv6/ipv6_fib.c

@@ -48,8 +48,7 @@

#define RT6_TRACE(x...) do { ; } while (0)

#endif

-static struct rt6_statistics __rt6_stats;

-struct rt6_statistics *rt6_stats = &__rt6_stats;

+struct rt6_statistics *rt6_stats;

static struct kmem_cache * fib6_node_kmem __read_mostly;

@@ -1544,6 +1543,10 @@ void __init fib6_init(void)

sizeof(struct fib6_node),

0, SLAB_HWCACHE_ALIGN|SLAB_PANIC,

NULL);

+

+ rt6_stats = kzalloc(sizeof(*rt6_stats), GFP_KERNEL);

+ if (!rt6_stats)

+ panic("IPV6: failed to allocate rt6_stats.\n");

register_pernet_subsys(&fib6_net_ops);

__rtnl_register(PF_INET6, RTM_GETROUTE, NULL, inet6_dump_fib);

@@ -1552,5 +1555,6 @@ void __init fib6_init(void)

void fib6_gc_cleanup(void)

{

unregister_pernet_subsys(&fib6_net_ops);

+ kfree(rt6_stats);

kmem_cache_destroy(fib6_node_kmem);

}

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