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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.

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net/ipv6/ip6\_fib.c | 8 ++++++--  
1 file changed, 6 insertions(+), 2 deletions(-)

Index: linux-2.6-netns/net/ipv6/ip6\_fib.c

=====  
--- linux-2.6-netns.orig/net/ipv6/ip6\_fib.c

+++ linux-2.6-netns/net/ipv6/ip6\_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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