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Subject: [PATCH 9/12 net-2.6.26] [NETNS]: icmp(v6)\_sk should not pin a namespace.

Posted by [den](#) on Fri, 29 Feb 2008 13:40:55 GMT

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So, change icmp(v6)\_sk creation/disposal to the scheme used in the netlink for rtnl, i.e. create a socket in the context of the init\_net and assign the namespace without getting a reference later.

Also use sk\_release\_kernel instead of sock\_release to properly destroy such sockets.

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

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net/ipv4/icmp.c | 12 ++++-----

net/ipv6/icmp.c | 11 ++++-----

2 files changed, 9 insertions(+), 14 deletions(-)

diff --git a/net/ipv4/icmp.c b/net/ipv4/icmp.c

index 7c62a0d..97d97ad 100644

--- a/net/ipv4/icmp.c

+++ b/net/ipv4/icmp.c

@@ -1146,14 +1146,8 @@ static void \_\_exit icmp\_exit(void)

{

int i;

- for\_each\_possible\_cpu(i) {

- struct sock \*sk;

-

- sk = \_\_icmp\_sk[i];

- if (sk == NULL)

- continue;

- sock\_release(sk->sk\_socket);

- }

+ for\_each\_possible\_cpu(i)

+ sk\_release\_kernel(\_\_icmp\_sk[i]);

kfree(\_\_icmp\_sk);

\_\_icmp\_sk = NULL;

}

@@ -1176,6 +1170,8 @@ int \_\_init icmp\_init(void)

goto fail;

\_\_icmp\_sk[i] = sk = sock->sk;

+ sk\_change\_net(sk, &init\_net);

+

sk->sk\_allocation = GFP\_ATOMIC;

```

/* Enough space for 2 64K ICMP packets, including
diff --git a/net/ipv6/icmp.c b/net/ipv6/icmp.c
index 3368f32..7341d79 100644
--- a/net/ipv6/icmp.c
+++ b/net/ipv6/icmp.c
@@ -802,6 +802,8 @@ int __init icmpv6_init(void)
 }

__icmpv6_sk[i] = sk = sock->sk;
+ sk_change_net(sk, &init_net);
+
sk->sk_allocation = GFP_ATOMIC;
/*
 * Split off their lock-class, because sk->sk_dst_lock
@@ -831,11 +833,8 @@ int __init icmpv6_init(void)
return 0;

fail:
- for (j = 0; j < i; j++) {
- if (!cpu_possible(j))
- continue;
- sock_release(__icmpv6_sk[j]->sk_socket);
- }
+ for (j = 0; j < i; j++)
+ sk_release_kernel(__icmpv6_sk[j]);

return err;
}
@@ -845,7 +844,7 @@ void icmpv6_cleanup(void)
int i;

for_each_possible_cpu(i) {
- sock_release(__icmpv6_sk[i]->sk_socket);
+ sk_release_kernel(__icmpv6_sk[i]);
}
inet6_del_protocol(&icmpv6_protocol, IPPROTO_ICMPV6);
}
--
1.5.3.rc5

```

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Containers mailing list  
Containers@lists.linux-foundation.org  
<https://lists.linux-foundation.org/mailman/listinfo/containers>

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