
Subject: [PATCH 9/13 net-2.6.26] [ICMP]: Simplify ICMP control socket creation.
Posted by [den](#) on Mon, 31 Mar 2008 13:16:49 GMT
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Replace sock_create_kern with inet_ctl_sock_create.

Signed-off-by: Denis V. Lunev <den@openvz.org>

net/ipv4/icmp.c | 25 ++++++-----
1 files changed, 7 insertions(+), 18 deletions(-)

diff --git a/net/ipv4/icmp.c b/net/ipv4/icmp.c
index 803bc9f..efc7cbe 100644

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

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

@@ -93,6 +93,7 @@

#include <asm/uaccess.h>

#include <net/checksum.h>

#include <net/xfrm.h>

+#include <net/inet_common.h>

/*

* Build xmit assembly blocks

@@ -1136,7 +1137,7 @@ static void __net_exit icmp_sk_exit(struct net *net)
int i;

for_each_possible_cpu(i)

- sk_release_kernel(net->ipv4.icmp_sk[i]);

+ inet_ctl_sock_destroy(net->ipv4.icmp_sk[i]);

kfree(net->ipv4.icmp_sk);

net->ipv4.icmp_sk = NULL;

}

@@ -1152,17 +1153,13 @@ int __net_init icmp_sk_init(struct net *net)

for_each_possible_cpu(i) {

struct sock *sk;

- struct socket *sock;

- struct inet_sock *inet;

- err = sock_create_kern(PF_INET, SOCK_RAW, IPPROTO_ICMP, &sock);

+ err = inet_ctl_sock_create(&sk, PF_INET,

+ SOCK_RAW, IPPROTO_ICMP, net);

if (err < 0)

goto fail;

- net->ipv4.icmp_sk[i] = sk = sock->sk;

- sk_change_net(sk, net);

-

```

- sk->sk_allocation = GFP_ATOMIC;
+ net->ipv4.icmp_sk[i] = sk;

/* Enough space for 2 64K ICMP packets, including
 * sk_buff struct overhead.
@@ -1170,15 +1167,7 @@ int __net_init icmp_sk_init(struct net *net)
    sk->sk_sndbuf =
        (2 * ((64 * 1024) + sizeof(struct sk_buff)));

- inet = inet_sk(sk);
- inet->uc_ttl = -1;
- inet->pmtudisc = IP_PMTUDISC_DONT;
-
- /* Unhash it so that IP input processing does not even
-  * see it, we do not wish this socket to see incoming
-  * packets.
-  */
- sk->sk_prot->unhash(sk);
+ inet_sk(sk)->pmtudisc = IP_PMTUDISC_DONT;
}

/* Control parameters for ECHO replies. */
@@ -1208,7 +1197,7 @@ int __net_init icmp_sk_init(struct net *net)

fail:
    for_each_possible_cpu(i)
- sk_release_kernel(net->ipv4.icmp_sk[i]);
+ inet_ctl_sock_destroy(net->ipv4.icmp_sk[i]);
    kfree(net->ipv4.icmp_sk);
    return err;
}
--
1.5.3.rc5

```

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<https://lists.linux-foundation.org/mailman/listinfo/containers>
