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Subject: [PATCH 1/11 net-2.6.26] [TCP]: Replace socket with sock for reset sending.

Posted by [den](#) on Fri, 28 Mar 2008 09:08:48 GMT

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This is more effective (less dereferences on fast paths). Additionally, the approach is unified to one used in ICMP.

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

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net/ipv4/tcp\_ipv4.c | 10 ++++++----

1 files changed, 6 insertions(+), 4 deletions(-)

diff --git a/net/ipv4/tcp\_ipv4.c b/net/ipv4/tcp\_ipv4.c

index 2a5881c..9d47870 100644

--- a/net/ipv4/tcp\_ipv4.c

+++ b/net/ipv4/tcp\_ipv4.c

@@ -89,7 +89,7 @@ int sysctl\_tcp\_low\_latency \_\_read\_mostly;

#define ICMP\_MIN\_LENGTH 8

/\* Socket used for sending RSTs \*/

-static struct socket \*tcp\_socket \_\_read\_mostly;

+static struct sock \*tcp\_sock \_\_read\_mostly;

void tcp\_v4\_send\_check(struct sock \*sk, int len, struct sk\_buff \*skb);

@@ -598,7 +598,7 @@ static void tcp\_v4\_send\_reset(struct sock \*sk, struct sk\_buff \*skb)  
sizeof(struct tcphdr), IPPROTO\_TCP, 0);

arg.csumoffset = offsetof(struct tcphdr, check) / 2;

- ip\_send\_reply(tcp\_socket->sk, skb, &arg, arg.iov[0].iov\_len);

+ ip\_send\_reply(tcp\_sock, skb, &arg, arg.iov[0].iov\_len);

TCP\_INC\_STATS\_BH(TCP\_MIB\_OUTSEGS);

TCP\_INC\_STATS\_BH(TCP\_MIB\_OUTRSTS);

@@ -693,7 +693,7 @@ static void tcp\_v4\_send\_ack(struct tcp\_timewait\_sock \*twsk,  
if (twsk)

arg.bound\_dev\_if = twsk->tw\_sk.tw\_bound\_dev\_if;

- ip\_send\_reply(tcp\_socket->sk, skb, &arg, arg.iov[0].iov\_len);

+ ip\_send\_reply(tcp\_sock, skb, &arg, arg.iov[0].iov\_len);

TCP\_INC\_STATS\_BH(TCP\_MIB\_OUTSEGS);

}

@@ -2493,9 +2493,11 @@ struct proto tcp\_prot = {

void \_\_init tcp\_v4\_init(void)

{

```
- if (inet_csk_ctl_sock_create(&tcp_socket, PF_INET, SOCK_RAW,  
+ struct socket *__tcp_socket;  
+ if (inet_csk_ctl_sock_create(&__tcp_socket, PF_INET, SOCK_RAW,  
    IPPROTO_TCP) < 0)  
    panic("Failed to create the TCP control socket.\n");  
+ tcp_sock = __tcp_socket->sk;  
}
```

```
EXPORT_SYMBOL(ipv4_specific);
```

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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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