
Subject: [PATCH 2/11 net-2.6.26] [DCCP]: Replace socket with sock for reset sending.

Posted by [den](#) on Fri, 28 Mar 2008 09:08:49 GMT

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Replace dccp_v(4|6)_ctl_socket with sock to unify a code with TCP/ICMP.

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

net/dccp/ipv4.c | 16 ++++++++-----

net/dccp/ipv6.c | 10 ++++++-----

2 files changed, 15 insertions(+), 11 deletions(-)

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

index 4ca8b0c..79a9a4a 100644

--- a/net/dccp/ipv4.c

+++ b/net/dccp/ipv4.c

@@ -36,7 +36,7 @@

* the Out-of-the-blue (OOTB) packets. A control sock will be created

* for this socket at the initialization time.

*/

-static struct socket *dccp_v4_ctl_socket;

+static struct sock *dccp_v4_ctl_sk;

int dccp_v4_connect(struct sock *sk, struct sockaddr *uaddr, int addr_len)

{

@@ -514,11 +514,11 @@ static void dccp_v4_ctl_send_reset(struct sock *sk, struct sk_buff *rxskb)

if (rxskb->rtable->rt_type != RTN_LOCAL)

return;

- dst = dccp_v4_route_skb(dccp_v4_ctl_socket->sk, rxskb);

+ dst = dccp_v4_route_skb(dccp_v4_ctl_sk, rxskb);

if (dst == NULL)

return;

- skb = dccp_ctl_make_reset(dccp_v4_ctl_socket, rxskb);

+ skb = dccp_ctl_make_reset(dccp_v4_ctl_sk->sk_socket, rxskb);

if (skb == NULL)

goto out;

@@ -527,10 +527,10 @@ static void dccp_v4_ctl_send_reset(struct sock *sk, struct sk_buff *rxskb)

rxiph->daddr;

skb->dst = dst_clone(dst);

- bh_lock_sock(dccp_v4_ctl_socket->sk);

- err = ip_build_and_send_pkt(skb, dccp_v4_ctl_socket->sk,

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+ bh_lock_sock(dccp_v4_ctl_sk);
+ err = ip_build_and_send_pkt(skb, dccp_v4_ctl_sk,
    rxiph->daddr, rxiph->saddr, NULL);
- bh_unlock_sock(dccp_v4_ctl_socket->sk);
+ bh_unlock_sock(dccp_v4_ctl_sk);

    if (net_xmit_eval(err) == 0) {
        DCCP_INC_STATS_BH(DCCP_MIB_OUTSEGS);
@@ -994,6 +994,7 @@ static struct inet_protosw dccp_v4_protosw = {

static int __init dccp_v4_init(void)
{
+ struct socket *socket;
    int err = proto_register(&dccp_v4_prot, 1);

    if (err != 0)
@@ -1005,10 +1006,11 @@ static int __init dccp_v4_init(void)

    inet_register_protosw(&dccp_v4_protosw);

- err = inet_csk_ctl_sock_create(&dccp_v4_ctl_socket, PF_INET,
+ err = inet_csk_ctl_sock_create(&socket, PF_INET,
    SOCK_DCCP, IPPROTO_DCCP);
    if (err)
        goto out_unregister_protosw;
+ dccp_v4_ctl_sk = socket->sk;
out:
    return err;
out_unregister_protosw:
diff --git a/net/dccp/ipv6.c b/net/dccp/ipv6.c
index 2fec1af..249640d 100644
--- a/net/dccp/ipv6.c
+++ b/net/dccp/ipv6.c
@@ -34,7 +34,7 @@
#include "feat.h"

/* Socket used for sending RSTs and ACKs */
-static struct socket *dccp_v6_ctl_socket;
+static struct sock *dccp_v6_ctl_sk;

static struct inet_connection_sock_af_ops dccp_ipv6_mapped;
static struct inet_connection_sock_af_ops dccp_ipv6_af_ops;
@@ -303,7 +303,7 @@ static void dccp_v6_ctl_send_reset(struct sock *sk, struct sk_buff *rxskb)
    if (!ipv6_unicast_destination(rxskb))
        return;

- skb = dccp_ctl_make_reset(dccp_v6_ctl_socket, rxskb);
+ skb = dccp_ctl_make_reset(dccp_v6_ctl_sk->sk_socket, rxskb);

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if (skb == NULL)
    return;

@@ -324,7 +324,7 @@ static void dccp_v6_ctl_send_reset(struct sock *sk, struct sk_buff *rxskb)
/* sk = NULL, but it is safe for now. RST socket required. */
if (!ip6_dst_lookup(NULL, &skb->dst, &fl)) {
    if (xfrm_lookup(&skb->dst, &fl, NULL, 0) >= 0) {
-   ip6_xmit(dccp_v6_ctl_socket->sk, skb, &fl, NULL, 0);
+   ip6_xmit(dccp_v6_ctl_sk, skb, &fl, NULL, 0);
        DCCP_INC_STATS_BH(DCCP_MIB_OUTSEGS);
        DCCP_INC_STATS_BH(DCCP_MIB_OUTRSTS);
        return;
@@ -1176,6 +1176,7 @@ static struct inet_protosw dccp_v6_protosw = {

static int __init dccp_v6_init(void)
{
+ struct socket *socket;
    int err = proto_register(&dccp_v6_prot, 1);

    if (err != 0)
@@ -1187,10 +1188,11 @@ static int __init dccp_v6_init(void)

    inet6_register_protosw(&dccp_v6_protosw);

- err = inet_csk_ctl_sock_create(&dccp_v6_ctl_socket, PF_INET6,
+ err = inet_csk_ctl_sock_create(&socket, PF_INET6,
    SOCK_DCCP, IPPROTO_DCCP);
    if (err != 0)
        goto out_unregister_protosw;
+ dccp_v6_ctl_sk = socket->sk;
out:
    return err;
out_unregister_protosw:
--
1.5.3.rc5

```

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