
Subject: [PATCH 06/16] net: Add a network namespace parameter to struct sock
Posted by [ebiederm](#) on Sat, 08 Sep 2007 21:21:37 GMT

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Sockets need to get a reference to their network namespace,
or possibly a simple hold if someone registers on the network
namespace notifier and will free the sockets when the namespace
is going to be destroyed.

Signed-off-by: Eric W. Biederman <ebiederm@xmission.com>

```
include/net/inet_timewait_sock.h | 1 +
include/net/sock.h                | 3 +++
2 files changed, 4 insertions(+), 0 deletions(-)
```

```
diff --git a/include/net/inet_timewait_sock.h b/include/net/inet_timewait_sock.h
index 47d52b2..abaff05 100644
```

```
--- a/include/net/inet_timewait_sock.h
+++ b/include/net/inet_timewait_sock.h
@@ -115,6 +115,7 @@ struct inet_timewait_sock {
#define tw_refcnt __tw_common.skc_refcnt
#define tw_hash __tw_common.skc_hash
#define tw_prot __tw_common.skc_prot
+#define tw_net __tw_common.skc_net
volatile unsigned char tw_substate;
/* 3 bits hole, try to pack */
unsigned char tw_rcv_wscale;
```

```
diff --git a/include/net/sock.h b/include/net/sock.h
index 802c670..253df3f 100644
```

```
--- a/include/net/sock.h
+++ b/include/net/sock.h
@@ -106,6 +106,7 @@ struct proto;
* @skc_refcnt: reference count
* @skc_hash: hash value used with various protocol lookup tables
* @skc_prot: protocol handlers inside a network family
+ * @skc_net: reference to the network namespace of this socket
*
* This is the minimal network layer representation of sockets, the header
* for struct sock and struct inet_timewait_sock.
@@ -120,6 +121,7 @@ struct sock_common {
atomic_t skc_refcnt;
unsigned int skc_hash;
struct proto *skc_prot;
+ struct net *skc_net;
};

/**
@@ -196,6 +198,7 @@ struct sock {
```

```
#define sk_refcnt __sk_common.skc_refcnt
#define sk_hash __sk_common.skc_hash
#define sk_prot __sk_common.skc_prot
+#define sk_net __sk_common.skc_net
    unsigned char sk_shutdown : 2,
        sk_no_check : 2,
        sk_userlocks : 4;
--
1.5.3.rc6.17.g1911
```

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