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Subject: [PATCH RFC 5/31] net: Add a network namespace parameter to struct sock

Posted by [ebiederm](#) on Thu, 25 Jan 2007 19:00:07 GMT

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From: Eric W. Biederman <[ebiederm@xmission.com](mailto:ebiederm@xmission.com)> - unquoted

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](mailto:ebiederm@xmission.com)>

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```
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 f7be1ac..162c2b9 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 03684e7..5bf6bb5 100644

```
--- a/include/net/sock.h
+++ b/include/net/sock.h
@@ -105,6 +105,7 @@ 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.
@@ -119,6 +120,7 @@ struct sock_common {
atomic_t skc_refcnt;
unsigned int skc_hash;
struct proto *skc_prot;
+ net_t skc_net;
};
```

```
/**
@@ -195,6 +197,7 @@ 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;
--
1.4.4.1.g278f
```

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Containers mailing list  
Containers@lists.osdl.org  
<https://lists.osdl.org/mailman/listinfo/containers>

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