
Subject: [patch 1/2] net namespace : Add broadcasting
Posted by [Daniel Lezcano](#) on Fri, 15 Dec 2006 17:20:50 GMT
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Broadcast packets should be delivered to l2 and all l3 childs

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include/linux/net_namespace.h | 10 ++++++++
net/core/net_namespace.c | 16 ++++++++
net/ipv4/udp.c | 5 +++-
3 files changed, 29 insertions(+), 2 deletions(-)

Index: 2.6.19-mm1/include/linux/net_namespace.h

=====

--- 2.6.19-mm1.orig/include/linux/net_namespace.h
+++ 2.6.19-mm1/include/linux/net_namespace.h
@@ -9,6 +9,7 @@

struct in_ifaddr;
struct sk_buff;
+struct sock;

struct net_ns_net_device {
 struct hlist_head *name_head;
@@ -103,6 +104,9 @@ extern struct net_namespace

extern int net_ns_ifa_is_visible(const struct in_ifaddr *ifa);

+extern int net_ns_sock_is_visible(const struct sock *sk,
+ const struct net_namespace *net_ns);
+
#define SELECT_SRC_ADDR net_ns_select_source_address

#else /* CONFIG_NET_NS */
@@ -178,6 +182,12 @@ static inline int net_ns_ifa_is_visible(
 return 1;
}

+static inline int net_ns_sock_is_visible(const struct sock *sk,
+ const struct net_namespace *net_ns)
+{
+ return 1;
+}
+

```

#define SELECT_SRC_ADDR inet_select_addr

#endif /* !CONFIG_NET_NS */
Index: 2.6.19-mm1/net/core/net_namespace.c
=====
--- 2.6.19-mm1.orig/net/core/net_namespace.c
+++ 2.6.19-mm1/net/core/net_namespace.c
@@ -11,12 +11,14 @@
#include <linux/net_namespace.h>
#include <linux/net.h>
#include <linux/netdevice.h>
-#include <net/ip_fib.h>
#include <linux/inetdevice.h>
#include <linux/in.h>
#include <linux/skbuff.h>
#include <linux/ip.h>

+#include <net/ip_fib.h>
+#include <net/sock.h>
+
static spinlock_t net_ns_list_lock = SPIN_LOCK_UNLOCKED;

struct net_namespace init_net_ns = {
@@ -424,4 +426,16 @@ int net_ns_ifa_is_visible(const struct i
    return 0;
}

+int net_ns_sock_is_visible(const struct sock *sk,
+    const struct net_namespace *net_ns)
+{
+    if (net_ns->level == NET_NS_LEVEL3)
+        net_ns = net_ns->parent;
+
+    if (sk->sk_net_ns->level == NET_NS_LEVEL3)
+        return sk->sk_net_ns->parent == net_ns;
+    else
+        return sk->sk_net_ns == net_ns;
+
+}
#endif /* CONFIG_NET_NS */
Index: 2.6.19-mm1/net/ipv4/udp.c
=====
--- 2.6.19-mm1.orig/net/ipv4/udp.c
+++ 2.6.19-mm1/net/ipv4/udp.c
@@ -306,9 +306,12 @@ static inline struct sock *udp_v4_mcast_
    (inet->dport != rmt_port && inet->dport) ||
    (inet->rcv_saddr && inet->rcv_saddr != loc_addr) ||
    ipv6_only_sock(s)    ||

```

```
-    !net_ns_match(sk->sk_net_ns, ns) ||  
    (s->sk_bound_dev_if && s->sk_bound_dev_if != dif))  
    continue;  
+ #ifdef CONFIG_NET_NS  
+ if (!net_ns_sock_is_visible(sk, ns))  
+   continue;  
+ #endif  
    if (!ip_mc_sf_allow(s, loc_addr, rmt_addr, dif))  
        continue;  
    goto found;  
  
--
```

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