
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>
