
Subject: [PATCH 4/11 net-2.6.25] [NETNS]: Add namespace parameter to ip_options_get(...).

Posted by [den](#) on Mon, 24 Mar 2008 14:36:05 GMT

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Pass the init_net there for now.

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

```
include/net/ip.h      | 4 +--
net/ipv4/ip_options.c | 14 ++++++-----
net/ipv4/ip_sockglue.c | 4 +--
3 files changed, 12 insertions(+), 10 deletions(-)
```

diff --git a/include/net/ip.h b/include/net/ip.h

index bcc3afa..531270d 100644

--- a/include/net/ip.h

+++ b/include/net/ip.h

@@ -349,9 +349,9 @@ extern int ip_options_echo(struct ip_options *dopt, struct sk_buff *skb);

extern void ip_options_fragment(struct sk_buff *skb);

extern int ip_options_compile(struct net *net,

struct ip_options *opt, struct sk_buff *skb);

-extern int ip_options_get(struct ip_options **optp,

+extern int ip_options_get(struct net *net, struct ip_options **optp,

unsigned char *data, int optlen);

-extern int ip_options_get_from_user(struct ip_options **optp,

+extern int ip_options_get_from_user(struct net *net, struct ip_options **optp,

unsigned char __user *data, int optlen);

extern void ip_options_undo(struct ip_options *opt);

extern void ip_forward_options(struct sk_buff *skb);

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

index f0949b4..59f7ddf 100644

--- a/net/ipv4/ip_options.c

+++ b/net/ipv4/ip_options.c

@@ -507,13 +507,13 @@ static struct ip_options *ip_options_get_alloc(const int optlen)

GFP_KERNEL);

}

-static int ip_options_get_finish(struct ip_options **optp,

+static int ip_options_get_finish(struct net *net, struct ip_options **optp,

struct ip_options *opt, int optlen)

{

while (optlen & 3)

opt->__data[optlen++] = IPOPT_END;

opt->optlen = optlen;

- if (optlen && ip_options_compile(&init_net, opt, NULL)) {

+ if (optlen && ip_options_compile(net, opt, NULL)) {

kfree(opt);

```

    return -EINVAL;
}
@@ -522,7 +522,8 @@ static int ip_options_get_finish(struct ip_options **optp,
    return 0;
}

-int ip_options_get_from_user(struct ip_options **optp, unsigned char __user *data, int optlen)
+int ip_options_get_from_user(struct net *net, struct ip_options **optp,
+    unsigned char __user *data, int optlen)
{
    struct ip_options *opt = ip_options_get_alloc(optlen);

@@ -532,10 +533,11 @@ int ip_options_get_from_user(struct ip_options **optp, unsigned char
__user *dat
    kfree(opt);
    return -EFAULT;
}
- return ip_options_get_finish(optp, opt, optlen);
+ return ip_options_get_finish(net, optp, opt, optlen);
}

-int ip_options_get(struct ip_options **optp, unsigned char *data, int optlen)
+int ip_options_get(struct net *net, struct ip_options **optp,
+    unsigned char *data, int optlen)
{
    struct ip_options *opt = ip_options_get_alloc(optlen);

@@ -543,7 +545,7 @@ int ip_options_get(struct ip_options **optp, unsigned char *data, int
optlen)
    return -ENOMEM;
    if (optlen)
        memcpy(opt->__data, data, optlen);
- return ip_options_get_finish(optp, opt, optlen);
+ return ip_options_get_finish(net, optp, opt, optlen);
}

void ip_forward_options(struct sk_buff *skb)
diff --git a/net/ipv4/ip_sockglue.c b/net/ipv4/ip_sockglue.c
index bb3cbe5..1b86a50 100644
--- a/net/ipv4/ip_sockglue.c
+++ b/net/ipv4/ip_sockglue.c
@@ -176,7 +176,7 @@ int ip_cmsg_send(struct msghdr *msg, struct ipc_cookie *ipc)
    switch (cmsg->cmsg_type) {
    case IP_RETOPTS:
        err = cmsg->cmsg_len - CMSG_ALIGN(sizeof(struct cmsghdr));
-    err = ip_options_get(&ipc->opt, CMSG_DATA(cmsg), err < 40 ? err : 40);
+    err = ip_options_get(&init_net, &ipc->opt, CMSG_DATA(cmsg), err < 40 ? err : 40);
        if (err)

```

```
    return err;
    break;
@@ -449,7 +449,7 @@ static int do_ip_setsockopt(struct sock *sk, int level,
    struct ip_options * opt = NULL;
    if (optlen > 40 || optlen < 0)
        goto e_inval;
-   err = ip_options_get_from_user(&opt, optval, optlen);
+   err = ip_options_get_from_user(&init_net, &opt, optval, optlen);
    if (err)
        break;
    if (inet->is_icsk) {
--
1.5.3.rc5
```
