
Subject: [PATCH 10/11 net-2.6.26] [NETNS]: Allow to create sockets in non-initial namespace.

Posted by [den](#) on Mon, 24 Mar 2008 14:36:02 GMT

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Allow to create sockets in the namespace if the protocol ok with this.

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

net/ipv4/af_inet.c | 24 ++++++
1 files changed, 21 insertions(+), 3 deletions(-)

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

index a9e241c..39ddb84 100644

--- a/net/ipv4/af_inet.c

+++ b/net/ipv4/af_inet.c

@@ -243,6 +243,23 @@ void build_ehash_secret(void)

}

EXPORT_SYMBOL(build_ehash_secret);

+static inline int inet_netns_ok(struct net *net, int protocol)

{

+ int hash;

+ struct net_protocol *ipprot;

+

+ if (net == &init_net)

+ return 1;

+

+ hash = protocol & (MAX_INET_PROTOS - 1);

+ ipprot = rcu_dereference(inet_protos[hash]);

+

+ if (ipprot == NULL)

+ /* raw IP is OK */

+ return 1;

+ return ipprot->netns_ok;

+

+

/*

* Create an inet socket.

*/

@@ -259,9 +276,6 @@ static int inet_create(struct net *net, struct socket *sock, int protocol)

int try_loading_module = 0;

int err;

- if (net != &init_net)

- return -EAFNOSUPPORT;

-

if (sock->type != SOCK_RAW &&

```
    sock->type != SOCK_DGRAM &&
    !inet_ehash_secret)
@@ -320,6 +334,10 @@ lookup_protocol:
    if (answer->capability > 0 && !capable(answer->capability))
        goto out_rcu_unlock;
```

```
+ err = -EAFNOSUPPORT;
+ if (!inet_netns_ok(net, protocol))
+ goto out_rcu_unlock;
+
    sock->ops = answer->ops;
    answer_prot = answer->prot;
    answer_no_check = answer->no_check;
```

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1.5.3.rc5
